



Maine Source Water Assessment Program

Final Source Assessment Report

The 1996 amendments to the Federal Safe Drinking Water Act (SDWA) require each State to complete assessments for each public water supply source, which identify and describe conditions that may threaten the quality of water available to consumers. These assessments are the focus of Maine's Source Water Assessment Program (SWAP). The Drinking Water Program (DWP) is responsible for completing an assessment for each public water supply source and publishing the results for the benefit of the operators of each system and their customers. To achieve this goal, the results of each assessment will be made widely available to the general public.

The responsibility for protecting public water supply sources from contamination falls largely to public water suppliers. However, land use decisions are made by municipal officials, not water suppliers. This means that protection of public water supplies requires a partnership between water suppliers, state and federal regulators, local land owners, and municipalities. The lengths to which Maine communities have gone to protect the public water sources in their town/city vary greatly from place to place from land purchases at one extreme to no action at the other. In some cases, when a source is surrounded by protected land such as a state park, no further protection efforts may be required. In other cases, immediate and significant actions should be implemented in order to ensure that existing sources of drinking water are available for future generations. The type and selected course of action taken should be proportional to the level of risk.

The DWP's goal is to ensure that when a water supply is at risk for contamination, the citizens of Maine are made aware so that appropriate steps can be taken at the local level to minimize or eliminate the risk. That is the purpose of the **SWAP**. Through the Assessments, the DWP has *evaluated* each of the 2,600 public water supply sources, *assessed* each for the likelihood of contamination by existing and future activities, and is *making the results of these studies widely available* to the public.

The Program intends this Assessment to be a summary of the current and potential future risks to your public water supply source and as a guide for future protection activities. Water suppliers should receive one report page for each source currently utilized. Towns should receive a report page for each source with a protection area within the town boundary. As always, we are here to provide any help or assistance we can. Technical assistance requests can be directed to the Source Protection Section of the DWP at (207) 287-2070. Other resources are listed on page 4 of this report.

At this point the assessment process ends for the State and the time for protective action on your part begins. The DWP will be available to provide technical and in some cases financial assistance for protection efforts, but these efforts will have to be initiated locally. Source protection needs to include full participation from the water suppliers and local officials to be successful. The water supplier is responsible for providing safe drinking water to the population they serve. Town and City officials need to address this issue because contaminated drinking water sources can negatively impact the local economy. To ensure that this water is always safe to drink, you must become involved in overseeing the activities that could contaminate it.

The DWP, a state agency in the Department of Human Services, Bureau of Health, Division of Health

Engineering, has completed an assessment of the susceptibility to contamination of the drinking water sources of **community, non-community non-transient, and transient public water systems** located in Maine. The assessment is a requirement of the Federal SDWA, a law originally passed in 1974 to ensure the safety of public water supplies. The water system has voluntarily cooperated with the DWP in completing this assessment. In the following sections of this report we have included our evaluation of this water supply source for existing contamination and the potential for future contamination

Explanation of Assessment Method for Groundwater Sources

Maine's groundwater assessments evaluate the contamination risk to each public water supply well by using an Environmental Protection Agency-approved evaluation methodology. Categories of risk evaluation for non-transient non-community and community public water sources include: risk based on: well type and site geology; existing and future risk of acute contamination; and existing and future risk of chronic contamination. The assessment criteria for non-transient non-community and community groundwater systems are outlined in the following table. Transient sources are assessed only for acute contaminants, shown in the top section of the table.

Assessment Matrix for Groundwater Sources:

All Sources: RISK BASED ON WELL TYPE AND SITE GEOLOGY		All Sources: RISK FACTORS FOR ACUTE CONTAMINANTS (4), (5)		
			Existing Risk	Future Risk
HIGH RISK	(1) Dug well (1) Spring	HIGH RISK	(2) Positive coliform bacteria test within previous three years (1999, 2000, 2001) OR (2) Nitrate greater than 5 ppm within previous three years (1999, 2000, 2001)	(1) Do not own or have legal control of all land within 150 feet of the well
MODERATE RISK	(1) Well points (1) Gravel well (1) bedrock well, less than 20 feet of overburden (1) bedrock well, overburden thickness unknown	MODERATE RISK	(1), (5) nearest acute Potential Contamination Site (PCS) less than 300 feet from well	(1) Do not own or have legal control of all land within 300 feet of the well OR 200-day time-of-travel zone
LOW RISK	(1) Bedrock well, greater than 20 feet of overburden	LOW RISK	(1) Nearest acute PCS greater than 300 feet from well (2) No positive coliform bacteria tests AND NO nitrate test greater than 5 ppm within previous three years (1999, 2000, 2001)	(1) Own or have legal control of all land within 300 feet of the well OR 200-day time-of-travel zone

Notes:

Sources of Information

- (1) Wellhead Self Evaluation Form, Sanitary Surveys OR DWP Databases
- (2) DWP Sample Master Database
- (3) DEP Water Resources Database

Definitions:

(4) **Acute Contaminant:** A contaminant that can cause consumer illness immediately after consumption (i.e., pathogens, nitrate/nitrite)

(5) **Acute PCS:** Potential source of pathogens or nitrates, including septic system leach fields, manure pile or manure spreading, barnyards and animal grazing.

(6) **Chronic Contaminant:** A contaminant that can pose a health risk if consumed (even at very low doses) over many years.

Community and NTNC: RISK FACTORS FOR CHRONIC CONTAMINANTS (6), (7)		
	Existing Risk	Future Risk
HIGH RISK	(1), (3), (7) 4 or more "significant" chronic PCS's within WHPA AND (2) detection of regulated/unregulated chronic contaminants	(1) Do not own or have legal control of entire WHPA
MODERATE RISK	(1), (3) 4 or more "significant" chronic PCS's within WHPA OR (2) Detection of regulated/unregulated chronic contaminants	(1) Own or have legal control of entire WHPA but NOT 2500-foot Phase II/V waiver radius
LOW RISK	(1), (3) 3 or fewer "significant" chronic PCS's within WHPA AND (2) NO detection of regulated/unregulated chronic contaminants	(1) Own or have legal control of WHPA AND 2500-foot Phase II/V waiver radius

(7) **Chronic PCS:** Potential source of chemical contaminants (e.i. leaking fuel storage tanks, landfills, Industrial waste disposal)

Risk Based on Well Type and Site Geology

No drinking water source is completely free of threats to water quality, however, some are more likely to become contaminated than others by the nature of their construction and the geology of the site. For example, dug wells and springs test positive for the presence of coliform bacteria more frequently than do wells drilled into fractured bedrock overlain by a thick layer of low permeability silty clay. Therefore, dug wells and springs are considered high risk for contamination, bedrock wells with at least 20 feet of overburden are considered low risk, and all others (well points, gravel wells, and bedrock wells with less than 20 feet or unknown overburden thickness) are considered to be at moderate risk for being contaminated. Practically, the only means of reducing this risk is through replacement of the source.

Existing Risk of Acute Contamination

Acute contaminants, such as pathogens and nitrate/nitrite, are those which can make people sick immediately after being consumed. Many acute contaminants originate in human or animal feces. Possible sources include septic system leach fields, animal feed lots, and manure piles. The risk ranking in this category is based on the system's water testing history during the last three years, and the presence or absence of potential sources of acute contamination in the wellhead protection area.

Removal of septic systems within the wellhead protection area is the most effective means of reducing this risk. Where that is not feasible, implementation of a system management program, including regular tank pumping and system inspection, can be of assistance in managing the risk.

Future Risk of Acute Contamination

Evaluation of future risk assesses the potential for acute contaminant sources being introduced near the well by determining the level of control the owner of the water supply source has over future development near the source. Risk rankings in this category are based on the ownership or control by zoning or easement of the land within 300 feet of the well (or the 200-day time-of-travel zone for computer delineated recharge zones).

Water suppliers and municipalities should work together to manage development in their wellhead protection areas. This management should include restrictions on subsurface waste disposal and concentrated animal feeding, manure storage, and fertilizer application within the wellhead area.

Existing Risk of Chronic Contamination

Chronic contaminants are those which pose a health risk if consumed (even sometimes at very low doses) over many years. There are 89 contaminants which by law must not be present in public drinking water or which can only be present below some specified level (Maximum Contaminant Level). Examples of chronic contaminants include Methyl Tert-Butyl Ether (MTBE) and other gasoline additives, chlorinated solvents, many herbicides and pesticides, and many others.

The risk ranking in this category is based on the water testing history of the well and the presence or absence of at least 4 significant potential sources of chronic contamination (as indicated on a Wellhead Protection Program Self Evaluation Form) in the Wellhead Protection Area (WHPA). A high risk ranking indicates the presence of significant numbers of potential contamination sources and the detection of one of the 89 contaminants during the past three years.

Where large numbers of existing chronic contamination sources are present within the wellhead area, they should be encouraged to adopt best management practices (BMPs) which will reduce their risk of releasing contaminants to the aquifer. The DWP has BMP guidance available to assist municipalities, suppliers, and industry in implementing these practices. It may be possible, as part of this process, to assist the facility in re-engineering their process to reduce or eliminate the use of toxic chemicals. The Maine Department of Environmental Protection Pollution Prevention Program has resources that can be of assistance in this area.

Future risk of Chronic Contamination

The future risk of chronic contamination is evaluated based on land ownership or control through easements or town ordinances regulating development in the assessment area. If land ownership patterns and/or zoning permit the construction of facilities using chronic contaminants, then the future risk is high. It is moderate if the area is covered by an effective wellhead protection ordinance, and low if the area is owned or controlled by easement by the public water supplier.

In order to reduce the potential for development that may degrade water quality, the DWP encourages suppliers to develop an active wellhead protection program including acquisition of land or easements on land that is currently undeveloped within their contributing area. We also strongly recommend that they work with municipalities to adopt and enforce a wellhead protection ordinance. The DWP and Maine Rural Water Association can provide technical assistance and sample language for inclusion in a wellhead protection ordinance. It is important that the supplier work with the landowners and residents in the contributing area to develop their understanding of their potential impact on the water supply. Educational materials and brochures are available to assist in this process.

Key State Agency Contact Information

Maine DWP	www.medwp.com	(207) 287-2070
Andy Tolman	Source Protection Manager	TTY: (207) 287-2070
David Braley	Wellhead Protection	fax: (207) 287-4172
Joy Adamson	Wellhead protection grants, Land acquisition loans, education	
Robin Frost	Mapping and information services	
Haig Brochu	New source location and approval	
Jeff Folger	New source location and approval	
Maine DEP	www.mainedep.com	(207) 287-7688
Underground Storage Tank Regulation		(800) 452-1942

Pollution Prevention
Industrial Facilities Regulation
Development BMP's
Stormwater and wastewater discharge licensing

Maine Department of Agriculture www.state.me.us/agriculture (207) 287-3871
Pesticides Control
Manure Management
Agricultural BMP's

State Planning Office www.state.me.us/spo (207) 287-8050
Comprehensive planning assistance (800) 662-4545
Ordinance development
Sprawl management

Other Resources

Maine Rural Water Association www.mainerwa.org (207) 729-6569
Maine Municipal Association www.memun.org (207) 623-8428
Maine Water Utilities Association www.mwua.org (207) 832-2265
Natural Resources Conservation Service www.me.nrcs.usda.gov (207) 990-9100
George Mitchell Center, U. Maine www.umaine.edu/WaterResearch (207) 581-2354

A more complete list is available from the DWP or the Mitchell Center.

Assessment for: Kirkwold Camp - Readfield, ID ME0000882
Location: Readfield, Maine
Date: May 8, 2003

Summary of the Data used in our Assessment

Well type: Bedrock Well
Well identification number: 882101
Well description: Dr Well 400' (09/89) Replaces Surf
Overburden thickness (feet): 20
Positive bacteria test result(s): No
Nitrate test result(s) greater than 5 ppm: No
Septic system(s) within 300 feet of the well: Yes
Animal feedlots/manure piles(s) within 300 feet of the well: No

Risk Based on Well Type and Site Geology

Ranking:

Well type: Bedrock Well
Overburden thickness (feet): 20

*Existing risk of contamination
based on well type & site geology:*

Low risk

Existing Risk of Acute Contamination

Ranking:

Positive coliform test(s): No

Nitrate test(s) greater than 5 ppm: No

Septic system(s) within 300 feet of the well: Yes

Animal feedlot(s)/manure pile(s) within 300 feet of the well: No

Existing risk of acute contamination:

Moderate risk

Future Risk for Acute Contamination

Ranking:

Status of land control: The source proprietor owns or controls all the land within 300 feet of this water supply source.

Future risk of acute contamination:

Low risk

Assessment for: Menatoma Association, ID ME0098270
Location: Readfield, Maine
Date: May 8, 2003

Summary of the Data used in our Assessment

Well type: Bedrock Well
Well identification number: 98270101
Well description: Bedrock Well
Overburden thickness (feet): 200
Positive bacteria test result(s): Yes
Nitrate test result(s) greater than 5 ppm: No
Septic system(s) within 300 feet of the well: No
Animal feedlots/manure piles(s) within 300 feet of the well: No

Risk Based on Well Type and Site Geology

Ranking:

Well type: Bedrock Well
Overburden thickness (feet): 200

*Existing risk of contamination
based on well type & site geology:*

Low risk

Existing Risk of Acute Contamination

Ranking:

Positive coliform test(s): Yes
Nitrate test(s) greater than 5 ppm: No
Septic system(s) within 300 feet of the well: No
Animal feedlot(s)/manure pile(s) within 300 feet of the well: No

Existing risk of acute contamination:

High risk

Future Risk for Acute Contamination

Ranking:

Status of land control: The source proprietor owns or controls all the land within 300 feet of this water supply source.

Future risk of acute contamination:

Low risk

Assessment for: Weathervane Restaurant, ID ME0006309
Location: Readfield, Maine
Date: May 8, 2003

Summary of the Data used in our Assessment

Well type: Bedrock Well
Well identification number: 6309101
Well description: Dr Well 208'
Overburden thickness (feet): Unknown
Positive bacteria test result(s): No
Nitrate test result(s) greater than 5 ppm: No
Septic system(s) within 300 feet of the well: Yes
Animal feedlots/manure piles(s) within 300 feet of the well: No

Risk Based on Well Type and Site Geology

Ranking:

Well type: Bedrock Well
Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Ranking:

Positive coliform test(s): No
Nitrate test(s) greater than 5 ppm: No
Septic system(s) within 300 feet of the well: Yes
Animal feedlot(s)/manure pile(s) within 300 feet of the well: No

Existing risk of acute contamination:

Moderate risk

Future Risk for Acute Contamination

Ranking:

Status of land control: The status of land ownership is unknown or it has been determined that the proprietor does not own or control all the land within 300 feet of this water supply source.

Future risk of acute contamination:

Moderate risk

Assessment for: Kents Hill School, ID ME0000531
Location: Readfield, Maine
Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well
Well identification number: 531101
Well description: Dr Well 466', 25 Gpm #1
Overburden thickness (feet): Unknown
Wellhead protection radius around the well: 300
Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well
Well identification number: 531101
Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 531101
Positive coliform test: No
Nitrate test greater than 5 ppm: No
Septic system within 300 feet of the well: No

Existing risk of acute contamination:

Low risk

Future Risk of Acute Contamination

Well identification number: 531101
No legal land control or control status is unknown or
legal control is less than a 150-foot radius around the well: Yes
Legal control of at least a 150-foot radius of property around the well: No
Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 531101
Detection of Chronic Chemical Contaminant: Yes
Name(s) of Chronic Chemical Contaminant(s) Detected: Chromium

Total No. Potential Sources of Contamination within WHPA: 3
Distance to nearest "Significant Potential Source of Contamination": No distance data reported (feet)
Name of nearest "Significant Potential Source of Contamination": No potential sources of chemical contaminants reported or no distance data reported.

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No
Legal control of 2500 Phase II/V Waiver Radius: No
Future risk of chronic contamination:

High risk

Assessment for: Kents Hill School, ID ME0000531
Location: Readfield, Maine
Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well
Well identification number: 531102
Well description: Well 2, 488', 25 Gpm
Overburden thickness (feet): Unknown
Wellhead protection radius around the well: 300
Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well
Well identification number: 531102
Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 531102
Positive coliform test: No
Nitrate test greater than 5 ppm: No
Septic system within 300 feet of the well: No

Existing risk of acute contamination:

Low risk

Future Risk of Acute Contamination

Well identification number: 531102
No legal land control or control status is unknown or
legal control is less than a 150-foot radius around the well: Yes
Legal control of at least a 150-foot radius of property around the well: No
Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 531102
Detection of Chronic Chemical Contaminant: Yes
Name(s) of Chronic Chemical Contaminant(s) Detected: Chromium

Total No. Potential Sources of Contamination within WHPA: 2
Distance to nearest "Significant Potential Source of Contamination": No distance data reported (feet)
Name of nearest "Significant Potential Source of Contamination": No potential sources of chemical contaminants reported or no distance data reported.

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No
Legal control of 2500 Phase II/V Waiver Radius: No
Future risk of chronic contamination:

High risk

Assessment for: Msu 42 Maranacook Comm School, ID ME0009728

Location: Readfield, Maine

Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well

Well identification number: 9728101

Well description: Bedrock Well

Overburden thickness (feet): Unknown

Wellhead protection radius around the well: 1500

Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well

Well identification number: 9728101

Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 9728101

Positive coliform test: No

Nitrate test greater than 5 ppm: No

Septic system within 300 feet of the well: No

Existing risk of acute contamination:

Low risk

Future Risk of Acute Contamination

Well identification number: 9728101

No legal land control or control status is unknown or

legal control is less than a 150-foot radius around the well: Yes

Legal control of at least a 150-foot radius of property around the well: No

Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 9728101

Detection of Chronic Chemical Contaminant: No

Name(s) of Chronic Chemical Contaminant(s) Detected: No chronic chemical contaminants detected.

Total No. Potential Sources of Contamination within WHPA: 4

Distance to nearest "Significant Potential Source of Contamination": 300 (feet)

Name of nearest "Significant Potential Source of Contamination": Aboveground oil storage tank (including home heati

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No

Legal control of 2500 Phase II/V Waiver Radius: No

Future risk of chronic contamination:

High risk

Assessment for: Msu 42 Readfield Elem School, ID ME0000530

Location: Readfield, Maine

Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well

Well identification number: 530101

Well description: Bedrock Well 193'

Overburden thickness (feet): Unknown

Wellhead protection radius around the well: 500

Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well

Well identification number: 530101

Overburden thickness (feet): Unknown

***Existing risk of contamination
based on well type & site geology:***

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 530101

Positive coliform test: No

Nitrate test greater than 5 ppm: No

Septic system within 300 feet of the well: Yes

Existing risk of acute contamination:

Moderate risk

Future Risk of Acute Contamination

Well identification number: 530101

No legal land control or control status is unknown or

legal control is less than a 150-foot radius around the well: Yes

Legal control of at least a 150-foot radius of property around the well: No

Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 530101

Detection of Chronic Chemical Contaminant: No

Name(s) of Chronic Chemical Contaminant(s) Detected: No chronic chemical contaminants detected.

Total No. Potential Sources of Contamination within WHPA: 4

Distance to nearest "Significant Potential Source of Contamination": 125 (feet)

Name of nearest "Significant Potential Source of Contamination": Septic system, septic waste disposal

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No

Legal control of 2500 Phase II/V Waiver Radius: No

Future risk of chronic contamination:

High risk

Assessment for: Saunders Manufacturing Company, ID ME0094012
Location: Readfield, Maine
Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well
Well identification number: 94012101
Well description: 200' Drilled Well
Overburden thickness (feet): Unknown
Wellhead protection radius around the well: 300
Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well
Well identification number: 94012101
Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 94012101
Positive coliform test: No
Nitrate test greater than 5 ppm: No
Septic system within 300 feet of the well: Yes

Existing risk of acute contamination:

Moderate risk

Future Risk of Acute Contamination

Well identification number: 94012101
No legal land control or control status is unknown or
legal control is less than a 150-foot radius around the well: Yes
Legal control of at least a 150-foot radius of property around the well: No
Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 94012101
Detection of Chronic Chemical Contaminant: Yes
Name(s) of Chronic Chemical Contaminant(s) Detected: Chromium

Total No. Potential Sources of Contamination within WHPA: 3
Distance to nearest "Significant Potential Source of Contamination": No distance data reported (feet)
Name of nearest "Significant Potential Source of Contamination": No potential sources of chemical contaminants reported or no distance data reported.

Existing risk of chronic contamination:

Moderate risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No
Legal control of 2500 Phase II/V Waiver Radius: No
Future risk of chronic contamination:

High risk

Assessment for: Saunders Manufacturing Company, ID ME0094012
Location: Readfield, Maine
Date: April 15, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well type: Bedrock well
Well identification number: 94012102
Well description: 800' Drilled Well
Overburden thickness (feet): Unknown
Wellhead protection radius around the well: 300
Reported distance of land control around the well: No data reported

Risk Based on Well Type and Site Geology

Well type: Bedrock well
Well identification number: 94012102
Overburden thickness (feet): Unknown

*Existing risk of contamination
based on well type & site geology:*

Moderate risk

Existing Risk of Acute Contamination

Well identification number: 94012102
Positive coliform test: No
Nitrate test greater than 5 ppm: No
Septic system within 300 feet of the well: Yes

Existing risk of acute contamination:

Moderate risk

Future Risk of Acute Contamination

Well identification number: 94012102
No legal land control or control status is unknown or
legal control is less than a 150-foot radius around the well: Yes
Legal control of at least a 150-foot radius of property around the well: No
Legal control of at least a 300-foot radius of property around the well: No

Future risk of acute contamination:

High risk

Existing Risk of Chronic Contamination

Well identification number: 94012102
Detection of Chronic Chemical Contaminant: Yes
Name(s) of Chronic Chemical Contaminant(s) Detected: Chromium

Total No. Potential Sources of Contamination within WHPA: 4
Distance to nearest "Significant Potential Source of Contamination": 300 (feet)
Name of nearest "Significant Potential Source of Contamination": Underground oil storage tank

Existing risk of chronic contamination:

High risk

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: No
Legal control of 2500 Phase II/V Waiver Radius: No
Future risk of chronic contamination:

High risk

Assessment for: Readfield Corner Water As.inc. ID ME0092100
Location: Readfield, Maine
Date: May 1, 2003

Summary of the Data used in our Assessment

Public Water Supply Information

Well identification number: 92100101
Well type: Bedrock well
Well description: 300' Bedrock Well, 8" Casing
Overburden thickness (feet): 51
Wellhead protection radius around the well: 300
Reported distance of land control around the well: 300
Wellhead Protection Ordinance in effect: No

Risk Based on Well Type and Site Geology

Ranking:

Well type: Bedrock well
Overburden thickness (feet): 51

Existing risk of contamination based on well type & site geology: *Low risk*

Existing Risk of Acute Contamination

Ranking:

Positive coliform test: No
Nitrate test greater than 5 ppm: No
Septic system within 300 feet of the well: No

Existing risk of acute contamination: *Low risk*

Future Risk of Acute Contamination

Future Ranking:

No legal land control or control status is unknown or
legal control is less than a 150-foot radius around the well: No
Legal control of at least a 150-foot radius of property around the well: Yes
Legal control of at least a 300-foot radius of property around the well: Yes

Future risk of acute contamination: *Low risk*

Existing Risk of Chronic Contamination

Ranking:

Detection of Chronic Chemical Contaminant: No
Name(s) of Chronic Chemical Contaminant(s) Detected: No chronic chemical contaminants detected.

Total No. Potential Sources of Contamination within WHPA: None reported
Distance to nearest "Significant Potential Source of Contamination": No distance data reported. (feet)
Name of nearest "Significant Potential Source of Contamination": No potential sources of chemical
contaminants reported or no distance data reported.

Existing risk of chronic contamination: *Low risk*

Future Risk of Chronic Contamination - Land Ownership / Control

Legal control of Entire Wellhead Protection Area: Yes
Legal control of 2500 Phase II/V Waiver Radius: No

Future risk of chronic contamination: *Moderate risk*