



Massachusetts Department of Environmental Protection
Source Water Assessment and Protection (SWAP) Report
for
Peabody Water Department

What is SWAP?

The Source Water Assessment Program (SWAP), established under the federal Safe Drinking Water Act, requires every state to:

- inventory land uses within the recharge areas of all public water supply sources;
- assess the susceptibility of drinking water sources to contamination from these land uses; and
- publicize the results to provide support for improved protection.

Susceptibility and Water Quality

Susceptibility is a measure of a water supply's potential to become contaminated due to land uses and activities within its recharge area.

A source's susceptibility to contamination does *not* imply poor water quality.

Water suppliers protect drinking water by monitoring for more than 100 chemicals, disinfecting, filtering, or treating water supplies, and using source protection measures to ensure that safe water is delivered to the tap.

Actual water quality is best reflected by the results of regular water tests. To learn more about your water quality, refer to your water supplier's annual Consumer Confidence Reports.

Table 1: Public Water System Information

<i>PWS Name</i>	Peabody Water Department
<i>PWS Address</i>	50 Farm Ave.
<i>City/Town</i>	Peabody, MA 01960-5493
<i>PWS ID Number</i>	3229000
<i>Local Contact</i>	Peter Smyrniotis
<i>Phone Number</i>	(978) 536-5069

Introduction

We are all concerned about the quality of the water we drink. Drinking water sources may be threatened by many potential contaminant sources, including storm runoff, road salting, and improper disposal of hazardous materials. Citizens and local officials can work together to better protect these drinking water sources.

Purpose of this report:

This report is a planning tool to support local and state efforts to improve water supply protection. By identifying land uses within water supply protection areas that may be potential sources of contamination, the assessment helps focus protection efforts on appropriate best management practices (BMPs) and drinking water source protection measures.

Refer to Table 3 for Recommendations to address potential sources of contamination. Department of Environmental Protection (DEP) staff are available to provide information about funding and other resources that may be available to your community.

This report includes the following sections:

1. Description of the Water System
2. Land Uses within Protection Areas
3. Emergency Planning Recommendations for Class B River Intakes
4. Source Water Protection
5. Appendices

Glossary

Aquifer: An underground water-bearing layer of permeable material that will yield water in a usable quantity to a well.

Hydrogeologic Barrier: An underground layer of impermeable material (i.e. clay) that resists penetration by water.

Recharge Area: The surface area that contributes water to a well.

Zone I: The area closest to a well; a 100 to 400 foot radius proportional to the well's pumping rate. This area should be owned or controlled by the water supplier and limited to water supply activities.

Zone II: The primary recharge area for the aquifer. This area is defined by hydrogeologic studies that must be approved by DEP. Refer to the attached map to determine the land within your Zone II.

Zone A: is the most critical for protection efforts. It is the area 400 feet from the edge of the reservoir and 200 feet from the edge of the tributaries (rivers and/or streams) draining into it.

Zone B: is the area one-half mile from the edge of the reservoir but does not go beyond the outer edge of the watershed.

Zone C: is the remaining area in the watershed not designated as Zones A or B.

The attached map shows Zone A and your watershed boundary.

The large watersheds and historically urbanized land uses associated with major rivers makes source protection a challenge at the Class B sources.

A Class B water body source such as the Ipswich River does not have Zone A, B and C protection areas, as do Class A water body sources. For the purposes of the SWAP assessments, a 400 foot setback area along the river and all feeder streams has been delineated for Class B water body sources that is referred to as an "Emergency Planning Zone". Land uses and activities within this zone are of particular concern for source protection and emergency planning because of their proximity to the water supply.

River drinking water sources are particularly susceptible to spills and accidental releases from public and private discharges; accidents related to vehicles,

Section 1: Description of the Water System

Groundwater Sources

Zone II #: 250

Susceptibility: High

Well Name	Source ID#
Pine Street Well	3229000-01G
Johnson Street Well	3229000-02G

Surface Water Sources

Source Name	Source ID #	Susceptibility
Spring Pond Reservoir	3229000-01S	High
Suntaug Reservoir	3229000-02S	High
Ipswich River	3229000-03S	High
Winona Pond Reservoir	3229000-04S	Moderate

The Peabody Water Department (Peabody) maintains and operates six public water supply sources. Peabody's water supplies are located within the North Coastal and Ipswich River basins. The reservoirs for Peabody are located within three separate water supply protection areas, with Spring Pond Reservoir (01S) being in Peabody, Salem, and a small portion in Lynn; Suntaug Reservoir (02S) being in Peabody and Lynnfield; and, Winona Pond Reservoir (04S) being entirely in Peabody. The intake for the Ipswich River (04S) is in Peabody. The Pine Street Well (01G) and Johnson Street Well (02G) are both in Peabody.

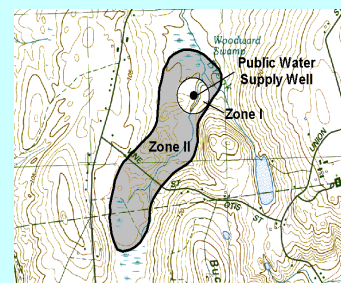
For current information on monitoring results and treatment, please contact the Public Water System contact person listed above in Table 1 for a copy of the most recent Consumer Confidence Report. Drinking water monitoring reporting data is also available on the web at <http://www.epa.gov/safewater/ccr1.html>

Class B Drinking Water Sources

There are twelve Class B drinking water sources on rivers in Massachusetts, eleven in the urbanized northeast and one in the western part of the State. Three of these sources are located on the Ipswich River.

What is a Protection Area?

A well's water supply protection area is the land around the well where protection activities should be focused. Each well has a Zone I protective radius and a Zone II protection area.



railroads, airports, boats; utility easements; fixed site releases at industrial and public facilities; inappropriate use of pesticides and fertilizers; improper disposal of hazardous household waste; and illegal dumping of a variety of substances.

This assessment has been conducted on the watershed area upstream of the Peabody intake. In addition, DEP has delineated a 400-foot emergency planning zone (shown on the GIS map that accompanies this report) adjacent to the river and its tributaries for the purpose of this assessment.

Section 2: Land Uses in the Protection Areas

The Zone II and watersheds for the Peabody reservoirs and Ipswich River intake are primarily a mixture of forest and residential, with a small portion consisting of agricultural, commercial, and industrial land uses (refer to attached map for details). Land uses and activities that are potential sources of contamination are listed in Table 2, with further detail provided in the Table of Regulated Facilities and Table of Underground Storage Tanks in Appendix B.

Key Land Uses and Protection Issues include:

1. Activities in Zone I
2. Activities in Zone A/Emergency Planning Zone
3. Chemical and Hazardous Materials Manufacture, Storage and Use
4. Residential Land Uses
5. Transportation Corridors
6. Road and Maintenance Depots
7. Oil or Hazardous Material Contamination Sites
8. Comprehensive Surface Water Protection Planning

The rankings of susceptibility to contamination for the Spring Pond Reservoir, Suntaug Reservoir, Ipswich River watersheds and the Pine Street and Johnson Street Wells' Zone II are high based on the presence of at least one high threat land use within the water supply protection areas, as seen in Table 2. The ranking of susceptibility to contamination for the Winona Pond Reservoir is moderate based on the presence of at least one moderate threat land use within the water supply protection area, as seen in Table 2.

1. Activities in Zone I – The Zone I for each of the wells is a 400 foot radius around the wellhead. Massachusetts drinking water regulations (310 CMR 22.00) requires public water suppliers to own the Zone I, or control the Zone I through a conservation restriction. Only water supply activities are allowed in the Zone I. However, many public water supplies were developed prior to the Department's regulations and contain non-water supply activities such as homes and public roads. The Zone I for the Johnson Street Well (02G) contains an inactive railroad line; the Pine Street Well (01G) Zone I contains a portion of a parking lot, and a portion of the adjacent athletic fields.

Zone I Recommendations:

- ✓ To the extent possible, remove all non-water supply activities from the Zone I to comply with DEP's Zone I requirements.
- ✓ Use BMPs for the storage, use, and disposal of hazardous materials such as water supply chemicals and maintenance chemicals.
- ✓ Do not use or store pesticides, fertilizers or road salt within the Zone I.
- ✓ Keep any new non-water supply activities out of the Zone I.

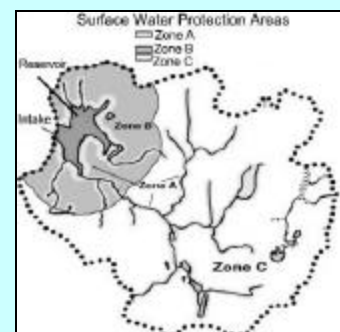
2. Activities in Zone A/Emergency Planning Zone - A Zone A for a reservoir includes all areas within 400 feet of the reservoir shore line and within 200 feet of either side of all streams and feeder ponds that flow into the reservoir. The

Class B River Intakes

Class B water sources do not have Zone A, B and C protection areas as the Class A sources do. For the purposes of this report, an "Emergency Planning Zone" has been delineated. The **Emergency Planning Zone** is the land area within 400 feet of both sides of the river including all tributary streams and surface water bodies.

What is a Watershed?

A watershed is the land area that catches and drains rainwater down-slope into a river, lake or reservoir. As water travels down from the watershed area it may carry contaminants from the watershed to the drinking water supply source. For protection purposes, watersheds are divided into protection Zones A, B and C.



What are "BMPs?"

Best Management Practices (BMPs) are measures that are used to protect and improve surface water and groundwater quality. BMPs can be structural, such as oil & grease trap catch basins, nonstructural, such as hazardous waste collection days or managerial, such as employee training on proper disposal procedures.

Emergency Planning Zone is a 400 foot setback on either side of the river and all tributaries to a Class B river intake. Land use activities within a Zone A or Emergency Planning Zone may have an impact on surface water sources. Existing and future land use activities which may have an impact on surface water sources include: on-site septic systems; public and private recreational activities; untreated stormwater runoff; domestic animals; new construction; spills along roads; above ground and underground storage tanks; erosion; and, un-permitted and unauthorized activities. Also, wild animals and domestic pets can be carriers of waterborne diseases such as Giardia, Cryptosporidium, Salmonella, etc.

Zone A Recommendations:

Work with communities within the combined watersheds to:

- ✓ To the extent possible, remove all activities from the Zone As to comply with DEP's Zone A requirements.
- ✓ Use BMPs for the storage, use, and disposal of hazardous materials.
- ✓ Storage of pesticides, fertilizers or road salt within the Zone A and Emergency Planning Zone should be covered and contained.
- ✓ Keep any new prohibited activities out of the Zone A.
- ✓ Identify stormwater drains and the drainage system along transportation corridors. Work to better manage stormwater by pre-treating contaminated stormwater and/or redirecting stormwater outside of the Zone A and Emergency Planning Zone.
- ✓ Continue your efforts to protect these areas and to monitor and review activities within the Zone A and Emergency Planning Zone.

3. Chemical and Hazardous Materials Manufacture, Storage and Use – Many large and small businesses use hazardous materials, produce hazardous waste products, and/or store large quantities of hazardous materials in Underground Storage Tanks (UST)/Aboveground Storage Tanks (AST). Although many facilities within the watershed use best management practices (BMPs), hazardous materials and waste can be unexpectedly released through spills,

leaks or improper handling or storage, and become potential sources of contamination. Hazardous materials should never be disposed of to a septic system or floor drain leading directly to the ground.

Hazardous Materials Storage and Use Recommendations:

Work with communities within the combined watersheds to:

- ✓ Educate local businesses on BMPs for protecting water supplies, and encourage them to use BMPs for handling, storing and disposing of hazardous waste. Distribute the fact sheet "Businesses Protect Drinking Water" available in Appendix A and on www.mass.gov/dep/brp/dws/protect.htm, which provides BMPs for common business issues.
- ✓ Work with local businesses to register those facilities that are unregistered generators of hazardous waste or waste oil. Partnerships between businesses, water suppliers, and communities enhance successful public drinking water protection practices.
- ✓ Educate local businesses on Massachusetts floor drain requirements. See brochure "Industrial Floor Drains" for more information.
- ✓ Continue monitoring water quality in the Ipswich River.

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**When you wash your car in the driveway,
Remember
you're not *just* washing your car in the driveway.**



All the soap, suds, and oily grit runs along the curb. Then into a storm drain and directly into our lakes, rivers, and streams. And that causes pollution which is unhealthy for everyone. So how do you avoid this whole mess? Easy! Wash your car on the grass or gravel instead of the street. Or better yet, take it to a car wash where the water gets treated or recycled.

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Potential Source of Contamination vs. Actual Contamination

The activities listed in Table 2 are those that typically use, produce, or store contaminants of concern, which, if managed improperly, are potential sources of contamination (PSC).

It is important to understand that a release may never occur from the potential source of contamination provided facilities are using best management practices (BMPs). If BMPs are in place, the actual risk may be lower than the threat ranking identified in Table 2. Many potential sources of contamination are regulated at the federal, state and/or local levels, to further reduce the risk.

Table 2: Land Use in the Watershed

For more information, refer to Appendix B: Regulated Facilities within the Water Supply Protection Area

Land Uses	Quantity Zone II & Zone C	Threat	Zone II & Zone C Source ID #	Quantity Ipswich River Watershed	Potential Contaminant Sources*
Agricultural					
Dairy Farms	--	M	--	1	Improper handling of manure (microbial contaminants)
Fertilizer Storage or Use	--	M	--	Few	Leaks, spills, improper handling, or over-application of fertilizers
Landscaping	--	M	--	1	Leaks, spills, improper handling, or over-application of fertilizers and pesticides
Manure Storage or Spreading	--	H	--	Few	Improper handling of manure (microbial contaminants)
Nurseries	--	M	--	Few	Leaks, spills, improper handling, or over-application of fertilizers, pesticides, and other chemicals
Pesticide Storage or Use	--	H	--	Few	Leaks, spills, improper handling, or over-application of pesticides
Commercial					
Body Shops	1	H	01G, 02G	9	Improper management of vehicle paints, solvents, and primer products
Gas Stations	4	H	01G, 02G, 02S	28	Spills, leaks, or improper handling or storage of automotive fluids and fuels
Service Stations/ Auto Repair Shops	2	H	01S	22	Spills, leaks, or improper handling of automotive fluids, and solvents
Bus and Truck Terminals	1	H	01G, 02G	6	Spills, leaks, or improper handling of fuels and maintenance chemicals
Cemeteries	5	M	01S, 02S, 04S, 01G, 02G	Several	Leaks, spills, improper handling, or over-application of pesticides; historic embalming fluids
Dry Cleaners	--	H	--	6	Spills, leaks, or improper handling of solvents and wastes
Golf Courses	--	M	--	2	Over-application or improper handling of fertilizers or pesticides
Junk Yards and Salvage Yards	2	H	01G, 02G	--	Spills, leaks, or improper handling of automotive chemicals, wastes, and batteries
Medical Facilities	--	M	--	2	Spills, leaks, or improper handling or storage of biological, chemical, and radioactive wastes

Land Uses	Quantity Zone II & Zone C	Threat	Zone C Source ID #	Quantity Ipswich River Watershed	Potential Contaminant Sources*
Commercial					
Nursing Homes	1	L	01G, 02G	2	Microbial contaminants
Photo Processors	--	H	--	3	Spills, leaks, or improper handling or storage of photographic chemicals
Printer and Blueprint Shops	--	M	01S	8	Spills, leaks, or improper handling or storage of printing inks and chemicals
Repair Shops (Engine, Appliances, Etc.)	--	H	--	5	Spills, leaks, or improper handling or storage of engine fluids, lubricants, and solvents
Sand and Gravel Mining/Washing	--	M	--	3	Spills or leaks from heavy equipment, fuel storage, clandestine dumping
Industrial					
Asphalt, Coal Tar, and Concrete Plants	--	M	--	2	Spills, leaks, or improper handling or storage of hazardous chemicals and wastes
Hazardous Materials Storage	--	H	--	8	Spills, leaks, or improper handling or storage of hazardous materials
Machine/Metalworking Shops	--	H	--	4	Spills, leaks, or improper handling of solvents; metal tailings
RCRA TSDF Facilities	--	H	--	1	Spills, leaks, or improper handling or storage of hazardous wastes
Residential					
Fuel Oil Storage (at residences)	100+	M	01S, 02S, 04S, 01G, 02G	100+	Spills, leaks, or improper handling of fuel oil
Lawn Care/Gardening	100+	M	01S, 02S, 04S, 01G, 02G	100+	Over-application or improper storage and disposal of pesticides
Septic Systems/Cesspools	100+	M	01S, 02S, 04S, 01G, 02G	100+	Microbial contaminants, and improper disposal of hazardous chemicals
Miscellaneous					
Aboveground Storage Tanks	4	M	01S, 01G, 02G	11	Spills, leaks, or improper handling of materials stored in tanks
Aquatic Wildlife	100+	L	02S	100+	Microbial contaminants
Large Quantity Hazardous Waste Generators	--	H	--	10	Spills, leaks, or improper handling or storage of hazardous materials and waste
Landfills and Dumps	--	H	--	1	Seepage of leachate
NPDES Locations	2	L	01S, 04S	1	Improper disposal of hazardous material and wastes

Land Uses	Quantity Zone II & Zone C	Threat	Zone C Source ID #	Quantity Ipswich River Watershed	Potential Contaminant Sources*
Miscellaneous					
Oil or Hazardous Material Sites	4	--	01G, 02G	50	Tier Classified Oil or Hazardous Materials Sites are not ranked due to their site-specific character. Individual sites are identified in Appendix B.
Road and Maintenance Depots	1	M	01G, 02G	6	Spills, leaks, or improper handling or storage of deicing materials, automotive fluids, fuel storage, and other chemicals
Schools, Colleges, and Universities	--	M	--	4	Spills, leaks, or improper handling or storage of fuel oil, laboratory, art, photographic, machine shop, and other chemicals
Small Quantity Hazardous Waste Generators	1	M	02S	28	Spills, leaks, or improper handling or storage of hazardous materials and waste
Stormwater Drains	100+	L	01S, 02S, 04S, 01G, 02G	100+	Debris, pet waste, and chemicals in stormwater from roads, parking lots, and lawns
Tire Dumps	1	M	--	--	Improper handling or management of tires
Transportation Corridors	1	M	02S, 01G, 02G	Several	Accidental leaks or spills of fuels and other hazardous materials, over-application or improper handling of pesticides
Underground Storage Tanks	7	H	02S, 01G, 02G	191	Spills, leaks, or improper handling of stored materials
Utility Substation Transformers	1	L	01G, 02G	--	Spills, leaks, or improper handling of chemicals and other materials including PCBs
Very Small Quantity Hazardous Waste Generators	7	L	01S, 02S, 04S, 01G, 02G	73	Spills, leaks, or improper handling or storage of hazardous materials and waste
Waste Transfer/ Recycling Station	--	M	--	1	Improper management, seepage, and runoff of water contacting waste materials
Wastewater Treatment Plant/Collection Facility/ Lagoon	--	M	--	1	Improper handling or storage of treatment chemicals or equipment maintenance materials; improper management of wastewater
Water Treatment Sludge Lagoon	2	M	01S, 04S	1	Improper management of sludge and wastewater
Notes: 1. When specific potential contaminants are not known, typical potential contaminants or activities for that type of land use are listed. Facilities within the watershed may not contain all of these potential contaminant sources, may contain other potential contaminant sources, or may use Best Management Practices to prevent contaminants from reaching drinking water supplies. 2. For more information on regulated facilities, refer to Appendix B: Regulated Facilities within the Water Supply Protection Area information about these potential sources of contamination. 3. For information about Oil or Hazardous Materials Sites in your protection areas, refer to Appendix C: Tier Classified Oil and/or Hazardous Material Sites. * THREAT RANKING - The rankings (high, moderate or low) represent the relative threat of each land use compared to other PSCs. The ranking of a particular PSC is based on a number of factors, including: the type and quantity of chemicals typically used or generated by the PSC; the characteristics of the contaminants (such as toxicity, environmental fate and transport); and the behavior and mobility of the pollutants in soils and groundwater.					

(Continued from page 4)

- ✓ Continue to plan and prepare for spills by communicating with municipalities and facilities in the Ipswich River watershed, and by conducting drills.

4. Residential Land Uses – Approximately 80% of the combined watersheds consist of residential areas, of which a large portion is served by private septic systems, with the remainder being served by municipal sewerage. If managed improperly, activities associated with residential areas can contribute to drinking water contamination. Common potential sources of contamination include:

- **Septic Systems** – Improper disposal of household hazardous chemicals to septic systems is a potential source of contamination to the groundwater because septic systems lead to the ground. If septic systems fail or are not properly maintained, they can be a potential source of microbial contamination.
- **Household Hazardous Materials** - Hazardous materials may include automotive wastes, paints, solvents, pesticides, fertilizers, and other substances. Improper use, storage, and disposal of chemical products used in homes are potential sources of contamination.
- **Heating Oil Storage** - If managed improperly, Underground and Aboveground Storage Tanks (USTs and ASTs) can be potential sources of contamination due to leaks or spills of the fuel oil they store.
- **Stormwater** – Catch basins transport stormwater from roadways and adjacent properties to the ground. As flowing stormwater travels, it picks up debris and contaminants from streets and lawns. Common potential contaminants include lawn chemicals, pet waste, and contaminants from automotive leaks, maintenance, washing, or accidents.

Residential Land Use Recommendations:

Work with communities within the combined watersheds to:

- ✓ Educate residents on best management practices (BMPs) for protecting water supplies. Distribute the fact sheet “Residents Protect Drinking Water” available in Appendix A and on www.mass.gov/dep/brp/dws/protect.htm, which provides BMPs for common residential issues.
- ✓ Work with planners to control new residential developments in the water supply protection areas.
- ✓ Promote BMPs for stormwater management and pollution controls.

5. Transportation Corridors - Several major transportation corridors and other paved and unpaved local roads cross through the watersheds. Spills from vehicular accidents are a major concern. In addition, roadway construction, maintenance, and typical highway use can all be potential sources of contamination.

Accidents can lead to spills of gasoline and other potentially dangerous transported chemicals. Roadways are frequent sites for illegal dumping of hazardous or other potentially harmful wastes. De-icing salt, automotive chemicals and other debris on roads are picked up by stormwater and wash into catch basins. The steep topography of the watershed results in application of de-icing materials to protect public health and safety by keeping the roads passable.

Transportation Corridor Recommendations:

Work with communities within the combined watersheds to:

- ✓ Identify stormwater drains and the drainage system along transportation corridors.

**When you fertilize the lawn,
Remember
you're not *just* fertilizing the lawn.**



It's hard to imagine that a green, flourishing lawn could pose a threat to the environment, but the fertilizers you apply to your lawn are potential pollutants! If applied improperly or in excess, fertilizer can be washed off your property and end up in lakes and streams. This causes algae to grow, which uses up oxygen that fish need to survive. So if you fertilize, please follow directions and use sparingly.

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- ✓ Work with the Towns and State to have catch basins inspected, maintained, and cleaned on a regular schedule.
- ✓ Work with local emergency response teams to ensure that any spills can be effectively contained.
- ✓ If storm drainage maps are available, review the maps with emergency response teams. If maps aren't yet available, work with town officials to investigate mapping options such as the upcoming Phase II Stormwater Rule requiring some communities to complete stormwater mapping.
- ✓ Establish vegetated buffers along roads and parking areas to provide some filtration of contaminants.
- ✓ Encourage regular street sweeping. Appendix A contains a fact sheet titled *DPWs Protect Drinking Water*.
- ✓ Conduct emergency drills to be ready for spills.
- ✓ Regularly inspect the watersheds for illegal dumping and spills.
- ✓ Work with local emergency response teams to ensure that any spills can be effectively contained.

6. Road and Maintenance Depots - Potential sources of contamination in state and municipal facilities can result from accidental dumping, spills, leaks, vehicle washing operations, or from wastewater treatment. Waste management and product storage pose the greatest threats with a wide variety of potentially harmful contaminants.

Road and Maintenance Depots Recommendations:

Work with communities within the combined watersheds to:

- ✓ Institute **Best Management Practices** - The New England Environmental Assistance Team provides municipalities in New England with information on how to comply with environmental requirements, and how to prevent pollution. For more information about this EPA sponsored program visit their website at <http://www.epa.gov/region1/steward/neeat/muni/index.html>. Encourage road and maintenance depots to develop best management practices to insure proper salt storage, proper maintenance of facilities and good housekeeping practices.
- ✓ Adequately size salt pile structure to allow for the loading and unloading of salt within the structure. Review the Department of Environmental Protection's Drinking Water Program Guidelines On Deicing Chemical (Road Salt) Storage at <http://www.state.ma.us/dep/brp/dws/files/saltgui.doc>.

- ✓ Encourage proper storage of materials at these facilities. Appendix A contains a fact sheet titled *DPWs Protect Drinking Water*.

7. Presence of Oil or Hazardous Material Contamination Sites - The Zone II and watersheds for Peabody and the Ipswich River contain DEP Tier Classified Oil and/or Hazardous Material Release Sites indicated on the maps as Release Tracking Numbers 3-0004161, 3-0012406, 3-0001565, 3-0016711, 3-0019019, 3-0001813, 3-0000784, 3-0011228, 3-0001494, 3-0006026, 3-0019687, 3-0000692, 3-0002276, 3-0002363, 3-0002584, 3-0002804, 3-0003167, 3-0003925, 3-0004007, 3-0004466, 3-0004468, 3-0004481, 3-0004583, 3-0014465, 3-0017390, 3-0001587, 3-0013565, 3-0017659, 3-0000471, 3-0000518, 3-0000625, 3-0000776, 3-0000904, 3-0001268, 3-0001728, 3-0001916, 3-0001973, 3-0002549, 3-0002889, 3-0003548,

What is a Zone III?

A Zone III (the secondary recharge area) is the land beyond the Zone II from which surface and ground water drain to the Zone II and is often coincident with the watershed boundary.

The Zone III is defined as a secondary recharge area for one or both of the following reasons:

1. The low permeability of underground water bearing materials in this area significantly reduces the rate of groundwater and potential contaminant flow to the Zone II.

2. The groundwater in this area probably discharges to surface water feature such as a river rather than discharging directly into the aquifer.

The land uses within the Zone III are assessed only for sources that are shown to be groundwater under the direct influence of surface water.

Source Protection Decreases Risk

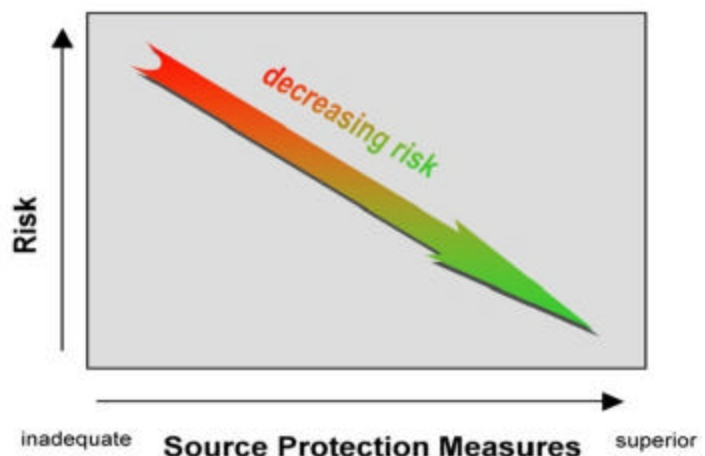


Figure 2: Risk of contamination decreases as source protection increases. This is true for public water systems of any susceptibility ranking, whether High, Moderate, or Low.

Table 3: Current Protection and Recommendations

Protection Measures	Status	Recommendations
Zone A		
Does the Public Water Supplier (PWS) own or control the entire Zone I and Zone A?	YES (Johnson Street Well)	Follow Best Management Practices (BMP's) that focus on good housekeeping, spill prevention, and operational practices to reduce the use and release of hazardous materials. To the extent possible, remove prohibited activities in Zone A and Zone I to comply with DEP's Zone A and Zone I requirements.
	NO (Pine Street Well, Spring Pond Reservoir, Suntaug Reservoir, Winona Pond Reservoir)	
Are the Zone I's and Zone A's posted with "Public Drinking Water Supply" Signs?	YES	The Emergency Planning Zone for the Ipswich River Watershed is not posted. Additional economical signs are available from the Northeast Rural Water Association (802) 660-4988.
Are the Zone I's and Zone A's regularly inspected?	YES	Continue daily inspections of drinking water protection areas.
Are water supply-related activities the only activities within the Zone I and Zone A?	NO	Monitor prohibited activities in Zone A and Zone I, and investigate options for removing these activities.
Municipal Controls (Zoning Bylaws, Health Regulations, and General Bylaws)		
Does the municipality have Surface Water Protection Controls that meet 310 CMR 22.20C and Wellhead Protection Controls that meet 310 CMR 22.21(2)?	NO - Surface YES - Wellhead	Work with the Planning Board and the Peabody City Council to compare land use controls to see that they meet current requirements of 310 CMR 22.20 (B) and 310 CMR 22.20 (C). Refer to mass.gov/dep/brp/dws/ for model bylaws and health regulations, and current regulations.
Do neighboring communities protect the water supply protection areas extending into their communities?	UNKNOWN	Work with communities of Lynn, Lynnfield, and Salem to include Peabody watersheds in their protection controls.
Planning		
Does the PWS have a local surface water and wellhead protection plan?	NO	Develop and implement a surface water supply and wellhead protection plan. Follow "Developing a Local Wellhead Protection Plan" and "Developing a Local Surface Water Supply Protection . Plan" available at: www.state.ma.us/dep/brp/dws/ .
Does the PWS have a formal "Emergency Response Plan" to deal with spills or other emergencies?	YES	Supplement plan by developing a joint emergency response plan with fire department, Board of Health, DPW, and local and state emergency officials. Coordinate emergency response drills with local teams.
Does the municipality have a watershed protection committee?	NO	Establish a committee with representatives from citizens' groups, neighboring communities, and the business community.
Does the Board of Health conduct inspections of commercial and industrial activities?	NO	For more guidance see "Hazardous Materials Management: A Community's Guide" at www.state.ma.us/dep/brp/dws/files/hazmat.doc
Does the PWS provide watershed protection education?	SOME	Currently, outreach is through the annual Consumer Confidence Report. Increase residential outreach through bill stuffers, school programs, Drinking Water Week activities, and coordination with local groups. Aim additional efforts at commercial and municipal uses within the Zone C.

3-0003766, 3-0003958, 3-0004022, 3-0004168, 3-0004170, 3-0012586, 3-0013922, 3-0014811, 3-0014814, 3-0015247, 3-0017097, 3-0019289, 3-0019380, 3-0019519, and 3-0019651. Refer to the attached map and Appendix 3 for more information.

Oil or Hazardous Material Contamination Sites Recommendation:

- ✓ Monitor progress on any ongoing remedial action conducted for the known oil or contamination sites.

8. Protection Planning – Protection planning protects drinking water by managing the land area that supplies water to a reservoir. Currently, the City of Peabody has a groundwater protection bylaw that meets DEP's Groundwater Protection regulations 310 CMR 22.21; however, local controls do not meet DEP's Surface Water Protection regulations 310 CMR 22.20 (b) and (c). A Groundwater and Surface Water Supply Protection Plan coordinates community efforts, identifies protection strategies, establishes a timeframe for implementation, and provides a forum for public participation. There are resources available to help communities develop a plan for protecting drinking water supply reservoirs.

Protection Planning Recommendations:

Work with communities within the combined watersheds to:

- ✓ Develop a Wellhead Protection Plan. Establish a protection team, and refer them to <http://mass.gov/dep/brp/dws/protect.htm> for a copy of DEP's guidance, "Developing a Local Wellhead Protection Plan".
- ✓ Encourage watershed towns to adopt controls that meet 310 CMR 22.20 (b) and (c). For more information on DEP land use controls see <http://mass.gov/dep/brp/dws/protect.htm>.
- ✓ Continue to work with town boards to review and provide recommendations on proposed development within your water supply protection areas. To obtain information on build-out analyses for the towns, see the Executive Office of Environmental Affairs' community preservation web site, <http://commpres.env.state.ma.us/>.

**Top 5 Reasons to
Develop a Local Surface
Water Protection Plan**

- ❶ Reduces Risk to Human Health
- ❷ Cost Effective! Reduces or Eliminates Costs Associated With:
 - ♦ Increased monitoring and treatment
 - ♦ Water supply clean up and remediation
 - ♦ Replacing a water supply
 - ♦ Purchasing water
- ❸ Supports municipal bylaws, making them less likely to be challenged
- ❹ Ensures clean drinking water supplies for future generations
- ❺ Enhances real estate values – clean drinking water is a local amenity. A community known for its great drinking water in a place people want to live and businesses want to locate.

Other land uses and activities within the Protection areas that are potential sources of contamination are included in Table 2. Refer to Appendix B for more information about these land uses. Identifying potential sources of contamination is an important initial step in protecting your drinking water sources. Further local investigation will provide more in-depth information and may identify new land uses and activities that are potential sources of contamination. Once potential sources of contamination are identified, specific recommendations like those below should be used to better protect your water supply.

Section 3: Emergency Planning Recommendations for Class B River Intakes

Prevention

Public water suppliers with a river source may take preventive measures to protect the source from unexpected releases. Here are some suggestions.

1. Title III (Emergency Planning and Community Right-to-Know) of the Superfund Amendments & Reauthorization Act (SARA) of 1986 required that each community **develop a comprehensive emergency response plan**. Suppliers should review the existing plan to ensure that water supply issues are satisfactorily addressed in the plan, that current response personnel and their correct telephone numbers are listed, and that the entire plan is regularly reviewed and updated by community officials.

The community plan, or a separate water supplier plan, should include copies of policies in the event of spills or releases; regulatory notification requirements such as what size spills are required to be reported, who to call, telephone numbers, and what information is required to be reported; map of intakes, tributaries, watershed boundaries, adjacent public wells, and locations of sites where spills or accidental releases could occur.

2. **Identify, map and distribute information** to local emergency responders regarding the locations of intakes on the river, tributaries, watershed boundaries, public wells adjacent to river; chemical use at municipal, state, and industrial facilities in watershed (contact Fire Dept., DEP); locations of stormwater drains and the locations of known dams in the event that they can be manipulated by authorized individuals for contaminant control.
The Fire Dept., Board of Health, Planning Board, Local Emergency Planning Committee (LEPC), DEP and others may have existing information to help with your work. SARA requires companies to work with the community's LEPC if they handle extremely hazardous chemicals in quantities above established thresholds.
3. **Develop a communication list** of contacts at upstream and downstream facilities, dams, as well as other public water suppliers on, or adjacent to, rivers. Notify owners and operators of these facilities about the location of your intake and request, in writing, that you be notified immediately in the event of a chemical spill or unexpected discharge. Take this opportunity to educate others about water supply protection.
4. **Provide comments** to municipal boards in other cities/towns in the watershed about proposed development, land use controls, Best Management Practices (BMPs) for stormwater flow into tributaries, and other issues to avoid future problems.
5. **Post signs** along major roads in watershed which direct the public to call "911" or other appropriate local number in case of spills. Be aware of accident-prone areas and transport routes of chemicals if possible.
6. **Educate** the public, local officials, Civil Defense, local emergency response team, and others about water supply protection issues. Educate businesses about toxic use reduction.
7. **Conduct household hazardous waste collection days** and establish permanent collection sites, away from sensitive watershed areas, for used batteries, paints, motor oil, etc.
8. **Conduct drills**, in coordination with local/regional response teams, to test policies and procedures and to practice responding to various situations. Including businesses, local officials and staff, Fire Departments, Boards of Health, Civil Defense, school administration, and others in planning and implementing the drills will allow for several town or region-wide concerns to be addressed and tested at the same time, including: issuing health advisories, conducting neighborhood and/or school evacuations, and evaluating the town's communication system (both making responders aware of the emergency and issuing advisories to the public when necessary via television, radio, and other news media), equipment and emergency plan in general.
9. Critique the drills and **modify components** of the emergency response system as needed.

Responding to Emergencies

Drinking water supply professionals responding to local emergencies need to be adequately prepared and trained, and know their roles and responsibilities. Here are some suggestions.

1. **Know regulatory reporting requirements** of state and federal agencies. Know who to call, telephone numbers and what information to report.
2. **Know your role & responsibilities.** Have access to, and be familiar with, the emergency communication list, policies and procedures for emergency response; know when, and how, to safely handle spills or other events until first responders arrive on scene; know what steps to

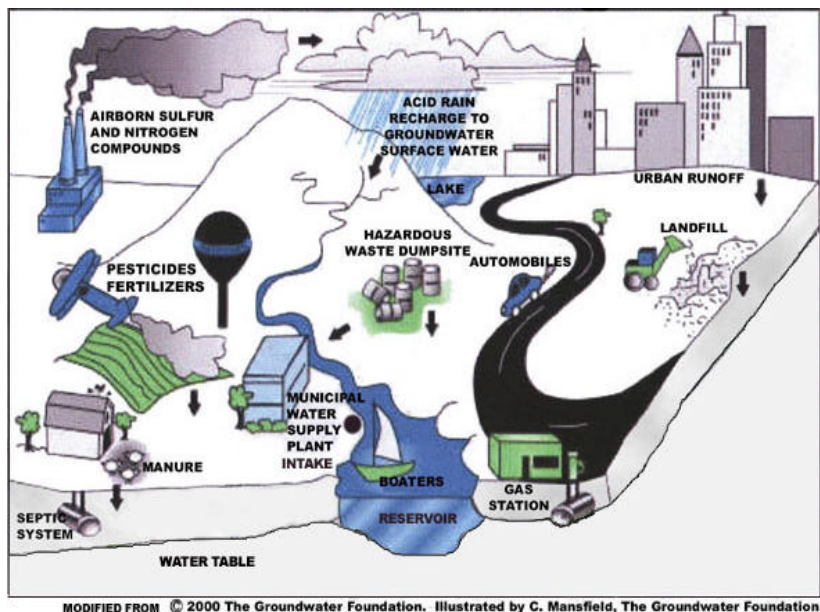


Figure 1: Sample watershed with examples of potential sources of contamination

take to avoid drawing contaminants into the water supply system; be familiar enough with local watershed characteristics to provide incident commander with information and advice.

3. **Provide training and materials to responding staff.** Water supply staff, including new employees, should be adequately trained, have access to appropriate materials (storm drain covers, absorbent pads, booms, etc.), up-to-date policies, procedures, and communication lists to perform tasks for which they are responsible.

Follow-up

Steps can be taken to ensure better preparedness in the event of future emergency situations. Here are some suggestions.

1. **Provide follow-up reports** to the public on the resolution of the situation.
2. **Share the information** learned from drills and real situations with others in order to better protect all public drinking water sources.

Section 4: Source Water Protection Conclusions and Recommendations

As with many water supply protection areas, the system watersheds contain potential sources of contamination. However, source protection measures reduce the risk of actual contamination, as illustrated in Figure 2.

Current Land Uses and Source Protection:

As with many water supply protection areas, the system watersheds contain potential sources of contamination. However, source protection measures reduce the risk of actual contamination, as illustrated in Figure 2. The water supplier is commended for taking an active role in promoting source protection measures in the Water Supply Protection Areas through:

- Implementing a program to address combined sewer overflows
- Storm drain stenciling and GIS storm drain mapping programs
- Adopting Community Preservation Act

Source Protection Recommendations:

To better protect the sources for the future:

- ✓ Develop and implement a Groundwater and Surface Water Supply Protection Plan.
- ✓ Educate residents on ways they can help you to protect drinking water sources.
- ✓ Work with emergency response teams to ensure that they are aware of the stormwater drainage in watersheds and to cooperate on responding to spills or accidents.
- ✓ Monitor progress on any ongoing remedial action conducted for the known oil or hazardous materials contamination site.
- ✓ Work cooperatively with Lynnfield Board of Health to develop an inventory of septic systems in watersheds in Lynnfield.
- ✓ Work with businesses and others who have landscaped areas in the watersheds to encourage BMPs for the use of fertilizer and pesticide.
- ✓ Partner with local businesses to ensure the proper storage, handling, and disposal of hazardous materials.
- ✓ Continue to inspect the Zone A and Zone I areas regularly, and when feasible, remove prohibited non-water supply activities.

Conclusions:

These recommendations are only part of your ongoing local drinking water source protection. Additional source protection recommendations are listed in Table 3, the Key Issues above, and Appendix A.

DEP staff, informational documents, and resources are available to help you build on this SWAP report as you continue to improve drinking water protection in your community.

Benefits of Source Protection

Source Protection helps protect public health and is also good for fiscal fitness:

- Protects drinking water quality at the source
- Reduces monitoring costs through the DEP Waiver Program
- Treatment can be reduced or avoided entirely, saving treatment costs
- Prevents costly contamination clean-up
- Preventing contamination saves costs on water purchases, and expensive new source development

Contact your regional DEP office for more information on Source Protection and the Waiver Program.

Grants and loans are available through the Drinking Water State Revolving Loan Fund, the Clean Water State Revolving Fund, and other sources. For more information on grants and loans, visit the Bureau of Resource Protection's Municipal Services web site at: <http://mass.gov/dep/brp/mf/mfpubs.htm>.

The assessment and protection recommendations in this SWAP report are provided as a tool to encourage community discussion, support ongoing source protection efforts, and help set local drinking water protection priorities. Citizens and community officials should use this SWAP report to spur discussion of local drinking water protection measures. The water supplier should supplement this SWAP report with local information on potential sources of contamination and land uses. Local information should be maintained and updated periodically to reflect land use changes in the Zone II. Use this information to set priorities, target inspections, focus education efforts, and to develop a long-term drinking water source protection plan.

Section 5: Appendices

- A. Protection Recommendations
- B. Regulated Facilities within the Water Supply Protection Area
- C. Table of Tier Classified Oil and/or Hazardous Material Sites within the Water Supply Protection Areas
- D. Additional Documents on Source Protection

Additional Documents:

To help with source protection efforts, more information is available by request or online at www.state.ma.us/dep/brp/dws including:

- 1. Water Supply Protection Guidance Materials such as model regulations, Best Management Practice information, and general water supply protection information.
- 2. MA DEP SWAP Strategy
- 3. Land Use Pollution Potential Matrix
- 4. Draft Land/Associated Contaminants Matrix

For More Information

Contact Anita Wolovick in DEP's Wilmington Office at (978) 661-7768 for more information and assistance on improving current protection measures.

Copies of this report have been provided to the public water supplier, town boards, and the local media.

APPENDIX A: DEP PERMITTED FACILITIES WITHIN PEABODY WATER SUPPLY PROTECTION AREAS AND IPSWICH RIVER WATERSHED

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
288793	FILA RESEARCH AND DEVELOPMENT CENTER	83 PINE ST	PEABODY	PLANT	BELOW AQ REGULATED THRESHOLDS
332155	FRANK T VARINOS DMD & ASSOCIATES	215 NEWBURY STREET SUITE 201	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR RCRA HAZARDOUS WASTE
296784	GAETA ENTERPRISES INC	14 NEWBURYPORT TNPk	PEABODY	DISCH	INDUSTRIAL SEWER WASTE WATER
296784	GAETA ENTERPRISES INC	14 NEWBURYPORT TNPk	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR RCRA HAZARDOUS WASTE
296784	GAETA ENTERPRISES INC	14 NEWBURYPORT TNPk	PEABODY	HANDLER	SMALL QUANTITY GENERATOR WASTE OIL/PCBS
317605	PEABODY DEPARTMENT OF PUBLIC SERVICE	38 BUTTERNUT AVE	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR WASTE OIL/PCBS
136102	PEABODY PUMP N PANTRY	137 NEWBURY ST	PEABODY	FUEL DISPENSER	FUEL DISPENSER STAGEII
30818	PURITAN LAWN MEMORIAL PARK	185 LAKE ST	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR RCRA HAZARDOUS WASTE
33798	REDI RITE AUTO BODY	80 NEWBURY ST	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR RCRA HAZARDOUS WASTE
325681	SHELL 137824	14 NEWBURYPORT TPKE	PEABODY	FUEL DISPENSER	FUEL DISPENSER STAGEII

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
134238	SIGNET TOOL & ENGINEERING INC	205 NEWBURY ST	PEABODY	HANDLER	VERY SMALL QUANTITY GENERATOR RCRA HAZARDOUS WASTE
307945	GETTY 30715	ROUTE 125	ANDOVER	FUEL DISPENSER	FUEL DISPENSER
33003	MA DEPARTMENT OF PUBLIC WORKS	RTE 25 & PROSPECT ST	ANDOVER	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
295264	BELLS CAMERA & VIDEO	184 CAMBRIDGE ST	BURLINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
35978	BONNIE BRITE CLEANERS	120 CAMBRIDGE ST	BURLINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
351657	BURLINGTON BOARD OF HEALTH	61 CENTER ST	BURLINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
32943	NEAT N CLEAN DRY CLEANERS	228 CAMBRIDGE ST	BURLINGTON	PLANT	AIR QUALITY PERMIT
320034	SHELL	198 CAMBRIDGE ST	BURLINGTON	FUEL DISPENSER	FUEL DISPENSER
320034	SHELL	198 CAMBRIDGE ST	BURLINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
53498	BURLINGTON TOWN OF	29 CENTER ST	BURLINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
278798	BOSTIK INC	211 BOSTON ST	MIDDLETON	TURA REPORTER	LARGE QUANTITY TOXIC USER

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
278798	BOSTIK INC	211 BOSTON ST	MIDDLETON	HANDLER	LARGE QUANTITY GENERATOR RCRA HAZARDOUS WASTE
278798	BOSTIK INC	211 BOSTON ST	MIDDLETON	HANDLER	LARGE QUANTITY GENERATOR WASTE OIL/PCBS
278798	BOSTIK INC	211 BOSTON ST	MIDDLETON	DISCHARGE	INDUSTRIAL WASTE WATER SURFACE DISCHARGE WATER MAJOR
278798	BOSTIK INC	211 BOSTON ST	MIDDLETON	HANDLER	TREATMENT STORAGE DISPOSAL FACILITY RCRA HAZARDOUS WASTE
39508	MIDDLETON TRANSFER STATION	11 NATSUE WAY OFF RIVER ST	MIDDLETON	TRANSFER STATION	SMALL TRANSFER STATION
327742	7 ELEVEN 30238	237 MAIN ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
52711	ADDISON WESLEY CO	1 JACOB WAY	NORTH READING	PLANT	AIR QUALITY PERMIT
311762	ADVANCED PHOTO INC	4 LOWELL RD	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
251722	BARD MEDISYSTEMS	87 CONCORD ST	NORTH READING	HANDLER	BELOW HAZARDOUS WASTE REG LEVELS
	BARD MEDISYSYEMS	87 CONCORD ST	NORTH READING	TURA REPORTER	BELOW TOXICS USE REDUCTION REG LEVELS
300381	BOBCAT OF BOSTON INC	20 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
134192	CAROUSEL CLEANERS	265 MAIN ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
29369	CENTRE TRUCKING SERVICES INC	81 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
34893	CHASE TRANSMISSIONS	90 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
315041	COMMONWEALTH OIL INC	290 MAIN ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
135959	DB MART 34	231 MAIN ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
281186	DOUGLAS DESIGN AND CONSTRUCTION INC	126 MAIN ST UNIT 7	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
134191	DYAR SALES & MACHINERY CO	75 CONCOR. ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
367739	EXXONMOBIL OIL CORP	160 PARK ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
29166	GALLANT ELECTRIC MOTOR SERVICE	206 NORTH ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
525	GREENBRIAR ESTATES CONDOMINIUMS	MAIN ST & RTE 28	NORTH READING	GROUNDWATER DISCHARGE	GROUNDWATER DISCHARGE
35155	HEFFRON MATERIALS	68 WINTER ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
293945	HILLVIEW COUNTRY CLUB	149 NORTH ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
34380	HONDA BARN	260 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
31903	JOES SERVICE CENTER	31 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
121254	LILY TRUCK LEASING	84 CONCORD ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
135961	M&H AUTO SERVICE	1 WASHINGTON ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
33375	MA ONE AUTO BODY	340 MAIN ST RTE 28	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
297362	MEADOWVIEW HEALTHCARE NURSING CENTER	134 NORTH ST	NORTH READING	GROUNDWATER DISCHARGE	GROUNDWATER DISCHARGE
341296	MICHAELS AUTOBODY	126 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
	MOBIL 11939	MAIN STREET	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
131087	MSM INDUSTRIES INC	60 CONCORD ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
132775	NEW ENGLAND MOTOR FREIGHT INC	90 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
31816	NIXDORF COMPUTER CORP	80 MAIN ST RTE 28	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
327420	NORTH READING DEPARTMENT OF PUBLIC WORKS	166 CHESTNUT ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
327420	NORTH READING DEPARTMENT OF PUBLIC WORKS	166 CHESTNUT ST	NORTH READING	PLANT	AIR QUALITY PERMIT
327420	NORTH READING DEPARTMENT OF PUBLIC WORKS	166 CHESTNUT ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
329093	NORTH READING FIRE DEPARTMENT	152 PARK ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
317950	NORTH READING HIGH SCHOOL	PARK ST	NORTH READING	PLANT	AIR QUALITY PERMIT
31169	NORTH READING HONDA	49 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
328706	NORTH READING SCHOOL DEPARTMENT	191 PARK ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
327939	NORTH READINGS BEST	144 MAIN ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
312394	NORTH SHORE PRINTING INC	281 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
226966	PACETTI CORPORATION	4 HALLBERG PARK	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
31554	PARAMOUNT AUTO CENTER INC	324 MAIN ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
887	PARK COLONY CONDOMINIUM TRUST	36-46 MAIN ST	NORTH READING	GROUNDWATER DISCHARGE	GROUNDWATER DISCHARGE
31861	PAULS NORTH READING AUTO BODY INC	240 PARK ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
178012	QUICK MART NUMBER 30238	237 MAIN ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
36091	READING MOWER SERVICE	90 MAIN ST BAY 13	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
132160	RICHARDSONS SERVICE STA	21 WINTER ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
330270	ROUTE 28 MOTORS EXCHANGE	137 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
371811	SERVIS CLEANERS	20A MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
327759	SPENCER COMPANY	CENTRAL ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
178106	STAR MARKETS COMPANY INC	265 MAIN ST	NORTH READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
365930	STOP & SHOP GAS 68	97 MAIN ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
135981	SUN COMPANY INC	142 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
339694	SUNBRIDGE CARE & REHABILITATION CENTER	134 NORTH ST	NORTH READING	GROUNDWATER DISCHARGE	GROUNDWATER DISCHARGE
38031	SUNOCO SERVICE STATION	146 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
33770	THOMAS DAN AUTO BODY INC	209 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
37855	TRAILBLAZER KAWASAKI INC	49 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
311325	US POSTAL SERVICE	76 MAIN ST	NORTH READING	GROUNDWATER DISCHARGE	GROUNDWATER DISCHARGE
311325	US POSTAL SERVICE MIDDLESEX ESSEX P&DC	76 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
38000	VALVOLINE INSTANT OIL CHANGE	216 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
319070	VERIZON NEW ENGLAND INC	74 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
325148	WALMART #2660	72 MAIN ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
333802	WILLIAMS AND PARTNERS	66 CONCORD ST	NORTH READING	DISCHARGE	BELOW INDUSTRIAL WASTE WATER REG LEVELS

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
333802	WILLIAMS AND PARTNERS	66 CONCORD ST	NORTH READING	PLANT	AIR QUALITY PERMIT
333802	WILLIAMS AND PARTNERS	66 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
333802	WILLIAMS AND PARTNERS	66 CONCORD ST	NORTH READING	FUEL DISPENSER	FUEL DISPENSER
333802	WILLIAMS AND PARTNERS	66 CONCORD ST	NORTH READING	HANDLER	VERY SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
32694	MA DEPARTMENT OF PUBLIC WORKS	9 CAUSEWAY RD	READING	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
32694	MA HIGHWAY SITE 76	9 CAUSEWAY RD	READING	FUEL DISPENSER	FUEL DISPENSER
367789	MOBIL 10534	1330 MAIN ST	READING	FUEL DISPENSER	FUEL DISPENSER
209957	SANBORN HILL SERVICE STATION	1462 MAIN ST	READING	FUEL DISPENSER	FUEL DISPENSER
132254	AAMCO TRANSMISSIONS	611 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
131607	AGFA DIVISION, BAYER CORPORATION	200 BALLARDVALE ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
131607	AGFA DIVISION, BAYER CORPORATION	200 BALLARDVALE ST	WILMINGTON	TURA REPORTER	BELOW TOXICS USE REDUCTION REG LEVELS

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
131607	AGFA DIVISION, BAYER CORPORATION	200 BALLARDVALE ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
377210	AGGREGATE INDUSTRIES	900 SALEM ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
377210	AGGREGATE INDUSTRIES	900 SALEM ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
32439	ALS SERVICE CENTER	103 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
131268	AMETEK AEROSPACE PRODUCTS, INC.	50 FORDHAM RD	WILMINGTON	PLANT	AIR QUALITY PERMIT
131268	AMETEK AEROSPACE PRODUCTS, INC.	50 FORDHAM RD	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
131268	AMETEK AEROSPACE PRODUCTS, INC.	50 FORDHAM RD	WILMINGTON	TURA REPORTER	BELOW TOXICS USE REDUCTION REG LEVELS
131259	ANALOG DEVICES INC	804 WOBURN ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
131259	ANALOG DEVICES INC	804 WOBURN ST	WILMINGTON	PLANT	RES APPLICATION APPROVED
131259	ANALOG DEVICES INC	804 WOBURN ST	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
131259	ANALOG DEVICES INC	804 WOBURN ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
114468	ANTONS CLEANERS INC	240 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
323732	APPLIED SCIENCE & TECHNOLOGY	90 INDUSTRIAL WAY	WILMINGTON	PLANT	AIR QUALITY PERMIT
323732	APPLIED SCIENCE & TECHNOLOGY	90 INDUSTRIAL WAY	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
357200	AZORES CORP	260 FORDHAM RD	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
327930	B & L ENTERPRISES	880 MAIN ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
365790	BENEVENTO ASPHALT CORP	900 SALEM ST	WILMINGTON	PLANT	RES APPLICATION APPROVED
52799	BENEVENTO SAND & STONE	900 SALEM ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
371015	BROOKS PHARMACY 582	208 MAIN ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
36008	BROWNS CUSTOM AUTO BODY	210 ANDOVER ST UNIT 12	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
933	BUTTERS ROW WTP	TOWN HALL, WATER DEPT	WILMINGTON	SURFACE DISCHARGE	SURFACE DISCHARGE WATER DISCHARGE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
28543	CAIN FRED F CHRYSLER PLYMOUTH	580 MAIN ST	WILMINGTON	DISCHARGE	AIR QUALITY PERMIT
293634	CAR MART INC	275 MAIN ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
134424	CHARLIES AUTO BODY	611 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
116704	COOPER INDUSTRIES INC	226 ANDOVER ST	WILMINGTON	TURA REPORTER	BELOW TOXICS USE REDUCTION REG LEVELS
249734	CVS #1845	240 MAIN ST	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
338875	DEE RAY INC	919 MAIN ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
132251	DIAMOND CRYSTAL SALT CO	10 BURLINGTON AVE	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
335016	DR SEVAK ABRAHAMIAN DDS	384 MIDDLESEX AVENUE	WILMINGTON	HANDLER	AIR QUALITY PERMIT
26009	DUPONT E I DENEMOURS & CO INC	1 CORNELL PL	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
376134	DUPONT PHOTONICS TECHNOLOGIES	100 FORDHAM RD	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
900	DYNAMICS RESEARCH CORP	60 CONCORD ST	WILMINGTON	PLANT	AIR QUALITY PERMIT

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
900	DYNAMICS RESEARCH CORP	60 CONCORD ST	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
132256	E T M MFG	21 CONCORD ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
35996	ENGELHARD CORP	201 BALLARDVALE ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
306387	ENGLEHARD CORPORATION	201 BALLARDVILLE ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
30080	F & R AUTO SUPPLY CORP	160 LOWELL ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
32345	FEDERAL EXPRESS CORP	10 CORNELL PL	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
32267	FIRESTONE STORE	496 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
323173	FISHMAN TRANSDUCERS	340D FORDHAM RD	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
345501	FLAGSHIP HYUNDAI INC	220 MAIN ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
311484	G&G PRINTING COMPANY	214 ANDOVER ST #7	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
311484	G&G PRINTING COMPANY	214 ANDOVER ST #7	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
191962	GETOV MACHINE INC	150 WEST ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
335097	GFI BIG JOE LLC	1 BURLINGTON AVENUE	WILMINGTON	PLANT	AIR QUALITY PERMIT
126548	GIBBS OIL 1595	342 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
319131	GLENS FALLS LEHIGH CEMENT COMPANY	90 EAMES ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
134423	HAMPSHIRE PRESS INC THE	900 MAIN ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
336596	HEFFRONS AUTOMOTIVE	603 MAIN ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
126538	HESS 21206	273 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
307025	HESS STATION 21206	273 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
31409	HIGH TECH MACHINE & TOOL INC	218 ANDOVER ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
36358	IDEAL SERVICE RD	210 ANDOVER ST BAY 20	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
334924	INDUSTRIAL TOOL REPAIR CORPORATION	382 MIDDLESEX AVENUE	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
357434	INTELLISENSE CORPORATION	36 JONSPIN RD	WILMINGTON	PLANT	AIR QUALITY PERMIT
134414	J J T ENGINEERING INC	319 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
126549	JIMMYS GARAGE INC	945 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
10461	KIRKWOOD TECHNICAL PUBLICATIONS	904 MAIN ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
10461	KIRKWOOD TECHNICAL PUBLICATIONS	904 MAIN ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
131274	KOCH MEMBRANE SYSTEMS INC	850 MAIN ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
131274	KOCH MEMBRANE SYSTEMS INC	850 MAIN ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
131274	KOCH MEMBRANE SYSTEMS INC	850 MAIN ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
301506	LARRYS GAS INC	880 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
330234	LARRYS OIL & BURNER SERVICE	880 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
31850	LOCHART MACHINE CO	287 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
39914	MAPLE MEADOW LANDFILL PROJECT	923 MAIN ST	WILMINGTON	SOLIDWASTE LANDFILL	LANDFILL
215608	MARTIN MARIETTA CORP	50 FORDHAM RD	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
367888	MOBIL 11733	318 LOWELL ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
370415	NEORESINS INC	730 MAIN ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
370415	NEORESINS INC	730 MAIN ST	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
370415	NEORESINS INC	730 MAIN ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
334914	NORTH WILMINGTON SERVICE INC	360 MIDDLESEX AVE	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
334914	NORTH WILMINGTON SERVICE INC	360 MIDDLESEX AVE	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
131605	OLIN CORPORATION	51 EAMES ST	WILMINGTON	HANDLER	LARGE QUANTITY GENERATOR OF HAZ WASTE
131605	OLIN CORPORATION	51 EAMES ST	WILMINGTON	DISCHARGE	INDUSTRIAL WASTE WATER TO SEWER
363566	PACIFIC SCIENTIFIC CORPORATION	110 FORDHAM RD	WILMINGTON	PLANT	AIR QUALITY PERMIT

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
132255	PEPSI COLA BOTTLING GROUP	111 EAMES ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
280472	PRECISION GRAPHICS	3A LOPEZ RD	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
327059	RACHEL A PERLITSH DMD	25 LOWELL ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
132847	REGIONAL HEALTH CENTER	500 SALEM ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
341505	ROUTE 38 GAS & SERVICE	603 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
134419	SHEA CONCRETE PRODUCTS INC	773 SALEM ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
134419	SHEA CONCRETE PRODUCTS INC	773 SALEM ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
325894	SHELL 137892	586 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
325893	SHELL 137893	361 MIDDLESEX AVE	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
373667	SILVER LAKE DENTAL	96 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
306507	SIR SPEEDY PRINTING 81710	609 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
372031	SMART MODULAR TECHNOLOGIES	7 LOPEZ RD	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
35575	SMITH JR ARTHUR R INC	214 ANDOVER ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
117230	STAFFORD MANUFACTURING CORP	256 ANDOVER ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
117230	STAFFORD MANUFACTURING CORP	256 ANDOVER ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
117230	STAFFORD MANUFACTURING CORP	256 ANDOVER ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
37314	STRAIGHTLINE AUTO BODY INC	210 ANDOVER ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
131254	SURFACE COATING INC	100 EAMES ST	WILMINGTON	TURA REPORTER	LARGE QUANTITY TOXICS USER
131254	SURFACE COATING INC	100 EAMES ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
131265	TEXTRON SYSTEMS CORPORATION	201 LOWELL ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
131267	THERMO ELECTRON TECOMET	115 EAMES ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
131267	THERMO ELECTRON TECOMET	115 EAMES ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE

DEP FACILITY NUMBER	FACILITY NAME	ST ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
131267	THERMO ELECTRON TECOMET	115 EAMES ST	WILMINGTON	DISCHARGE	MWRA SEWER CONNECTION
364503	TOSCO CORP	205 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
210017	TOWN MARKET CITGO	490 MAIN ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
37327	U HAUL CENTER OF WILMINGTON	687 MAIN ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
294759	VILLAGE CLEANERS	211 LOWELL ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE
215600	WATERS PRINTING CO INC	12 WALTHAM ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF HAZ WASTE
215600	WATERS PRINTING CO INC	12 WALTHAM ST	WILMINGTON	PLANT	AIR QUALITY PERMIT
308853	WILMINGTON DEPARTMENT OF PUBLIC WORKS	135 ANDOVER ST	WILMINGTON	HANDLER	SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS
308853	WILMINGTON DEPARTMENT OF PUBLIC WORKS	135 ANDOVER ST	WILMINGTON	FUEL DISPENSER	FUEL DISPENSER
38283	WILMINGTON FABRICATORS INC	235 ANDOVER ST	WILMINGTON	HANDLER	VERY SMALL QUANTITY GENERATOR OF HAZ WASTE

UNDERGROUNDWATER DISCHARGE STORAGE TANKS WITHIN PEABODY WATER SUPPLY PROTECTION AREAS AND IPSWICH RIVER WATERSHED

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
GAETA TOWING SERVICES INC	136 NEWBURY ST	PEABODY	GAS STATION	10000	GASOLINE
GAETA TOWING SERVICES INC	136 NEWBURY ST	PEABODY	GAS STATION	10000	GASOLINE
GAETA TOWING SERVICES INC	136 NEWBURY ST	PEABODY	GAS STATION	4000	DIESEL
LAKE STREET CITGO	26 LAKE ST	PEABODY	GAS STATION	10000	GASOLINE
LAKE STREET CITGO	26 LAKE ST	PEABODY	GAS STATION	6000	GASOLINE
LAKE STREET CITGO	26 LAKE ST	PEABODY	GAS STATION	4000	GASOLINE
LAKE STREET CITGO	26 LAKE ST	PEABODY	GAS STATION	2000	GASOLINE
SHELL SERVICE STATION 22060860404	14 NEWBURYPORT TURNPIKE	PEABODY	GAS STATION	12000	GASOLINE
SHELL SERVICE STATION 22060860404	14 NEWBURYPORT TURNPIKE	PEABODY	GAS STATION	12000	GASOLINE
JHK INC - J & H AUTO/TRUCK REPAIR	129 NEWBURY ST	PEABODY	GAS STATION	12000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
JHK INC - J & H AUTO/TRUCK REPAIR	129 NEWBURY ST	PEABODY	GAS STATION	20000	GASOLINE
SHELL SERVICE STATION 22060860404	14 NEWBURYPORT TURNPIKE	PEABODY	GAS STATION	12000	GASOLINE
SHELL SERVICE STATION 22060860404	14 NEWBURYPORT TURNPIKE	PEABODY	GAS STATION	12000	GASOLINE
BURLWOOD REALTY CORP	11 GRANT AVE	BURLINGTON	OTHER	4000	DIESEL
SHELL SERVICE STATION #137722	198 CAMBRIDGE ST	BURLINGTON	GAS STATION	10000	DIESEL
SHELL SERVICE STATION #137722	198 CAMBRIDGE ST	BURLINGTON	GAS STATION	10000	GASOLINE
SHELL SERVICE STATION #137722	198 CAMBRIDGE ST	BURLINGTON	GAS STATION	10000	GASOLINE
TOWN OF BURLINGTON	29 CENTER ST	BURLINGTON	MUNICIPAL	10000	GASOLINE
TOWN OF BURLINGTON	29 CENTER ST	BURLINGTON	MUNICIPAL	6000	DIESEL
7-ELEVEN	237 MAIN ST	NORTH READING	GAS STATION	8000	GASOLINE
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	10000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	2500	OTHER
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	2500	OTHER
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	OTHER
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	10000	HAZARDOUS

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	OTHER
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	10000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	OTHER
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	5000	HAZARDOUS
BOSTIK INC	211 BOSTON ST	MIDDLETON	INDUSTRIAL	9950	FUEL OIL
7-ELEVEN	237 MAIN ST	NORTH READING	GAS STATION	8000	GASOLINE
7-ELEVEN	237 MAIN ST	NORTH READING	GAS STATION	8000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
BOBCAT OF BOSTON INC	20 CONCORD ST	NORTH READING	VEHICLE DEALER	3000	GASOLINE
LILY TRUCK LEASING CORP	84 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	10000	DIESEL
LILY TRUCK LEASING CORP	84 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	10000	DIESEL
M H AUTO SERVICE INC	1 WASHINGTON ST	NORTH READING	GAS STATION	8000	GASOLINE
M H AUTO SERVICE INC	1 WASHINGTON ST	NORTH READING	GAS STATION	4000	GASOLINE
M H AUTO SERVICE INC	1 WASHINGTON ST	NORTH READING	GAS STATION	4000	DIESEL
MOBIL	160 PARK AVE	NORTH READING	GAS STATION	10000	GASOLINE
MOBIL	160 PARK AVE	NORTH READING	GAS STATION	8000	GASOLINE
MOBIL	160 PARK AVE	NORTH READING	GAS STATION	6000	GASOLINE
NEW ENGLAND MOTOR FREIGHT	90 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	10000	DIESEL
NEW ENGLAND MOTOR FREIGHT	90 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	10000	DIESEL

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
NEW ENGLAND MOTOR FREIGHT	90 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	8000	WASTE OIL
NORTH READING'S BEST	142 MAIN ST	NORTH READING	GAS STATION	10000	GASOLINE
NORTH READING'S BEST	142 MAIN ST	NORTH READING	GAS STATION	10000	GASOLINE
NORTH READING'S BEST	142 MAIN ST	NORTH READING	GAS STATION	10000	GASOLINE
NORTH READING TEXACO	231 MAIN ST	NORTH READING	GAS STATION	10000	GASOLINE
NORTH READING TEXACO	231 MAIN ST	NORTH READING	GAS STATION	8000	GASOLINE
NORTH READING TEXACO	231 MAIN ST	NORTH READING	GAS STATION	5000	DIESEL
ROADWAY EXPRESS INC	95 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	8000	DIESEL
ROADWAY EXPRESS INC	95 CONCORD ST	NORTH READING	TRUCK/TRANSPORT	8000	DIESEL
TEMPLE OIL SERVICE	290 MAIN ST	NORTH READING	GAS STATION	15000	DIESEL
TEMPLE OIL SERVICE	290 MAIN ST	NORTH READING	GAS STATION	15000	FUEL OIL

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
THOMSON COUNTRY CLUB	20 ELM ST	NORTH READING	OTHER	2500	GASOLINE
THOMSON COUNTRY CLUB	20 ELM ST	NORTH READING	OTHER	2500	FUEL OIL
MASS DPW MAINT DEPOT	CAUSEWAY RD	READING	STATE	6000	GASOLINE
MASS DPW MAINT DEPOT	CAUSEWAY RD	READING	STATE	6000	DIESEL
MOBIL	1330 MAIN ST	READING	GAS STATION	10000	GASOLINE
MOBIL	1330 MAIN ST	READING	GAS STATION	10000	GASOLINE
MOBIL	1330 MAIN ST	READING	GAS STATION	10000	DIESEL
MOBIL	1330 MAIN ST	READING	GAS STATION	550	FUEL OIL
MOBIL	1330 MAIN ST	READING	GAS STATION	550	WASTE OIL
READING GLOBAL	1337 MAIN ST	READING	GAS STATION	15000	GASOLINE
READING GLOBAL	1337 MAIN ST	READING	GAS STATION	14000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
READING GLOBAL	1337 MAIN ST	READING	GAS STATION	500	WASTE OIL
SANBORN HILL SERVICE STATION	1462 MAIN ST	READING	GAS STATION	6000	GASOLINE
SANBORN HILL SERVICE STATION	1462 MAIN ST	READING	GAS STATION	6000	GASOLINE
SANBORN HILL SERVICE STATION	1462 MAIN ST	READING	GAS STATION	2000	GASOLINE
BELL ATLANTIC	408 MAIN ST	WILMINGTON	UTILITIES	2500	DIESEL
DEPARTMENT OF PUBLIC WORKS	135 ANDOVER ST	WILMINGTON	MUNICIPAL	10000	GASOLINE
DEPARTMENT OF PUBLIC WORKS	135 ANDOVER ST	WILMINGTON	MUNICIPAL	10000	DIESEL
DYNAMICS RESEARCH CORP	50 CONCORD ST	WILMINGTON	OTHER	4000	OTHER
EXXONMOBIL OIL CORPORATION	316 LOWELL ST	WILMINGTON	GAS STATION	12000	GASOLINE
EXXONMOBIL OIL CORPORATION	316 LOWELL ST	WILMINGTON	GAS STATION	10000	GASOLINE
EXXONMOBIL OIL CORPORATION	316 LOWELL ST	WILMINGTON	GAS STATION	6000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
EXXONMOBIL OIL CORPORATION	316 LOWELL ST	WILMINGTON	GAS STATION	1000	GASOLINE
FRED'S SERVICE CENTER	324 MAIN ST	WILMINGTON	GAS STATION	10000	GASOLINE
FRED'S SERVICE CENTER	324 MAIN ST	WILMINGTON	GAS STATION	4000	GASOLINE
HESS STATION	273 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
HESS STATION	273 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
HESS STATION	273 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
JOE BARRY OIL INC	312 MAIN ST	WILMINGTON	PETROLEUM DISTIBUTOR	20000	FUEL OIL
JOE BARRY OIL INC	312 MAIN ST	WILMINGTON	PETROLEUM DISTIBUTOR	20000	FUEL OIL
JOE BARRY OIL INC	312 MAIN ST	WILMINGTON	PETROLEUM DISTIBUTOR	20000	DIESEL
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	16000	HAZARDOUS
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	16000	HAZARDOUS

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	16000	HAZARDOUS
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	16000	HAZARDOUS
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	8000	HAZARDOUS
NEORESINS INC	730 MAIN ST	WILMINGTON	INDUSTRIAL	8000	HAZARDOUS
R & V REALTY TRUST	360 MIDDLESEX AVE	WILMINGTON	GAS STATION	8000	GASOLINE
R & V REALTY TRUST	360 MIDDLESEX AVE	WILMINGTON	GAS STATION	6000	GASOLINE
R & V REALTY TRUST	360 MIDDLESEX AVE	WILMINGTON	GAS STATION	6000	GASOLINE
RT 38 GAS AND SERVICE	603 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
RT 38 GAS AND SERVICE	603 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
RT 38 GAS AND SERVICE	603 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE
RT 38 GAS AND SERVICE	603 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
SHELL SERVICE STATION	361 MIDDLESEX AVE	WILMINGTON	GAS STATION	12000	GASOLINE
SHELL SERVICE STATION	361 MIDDLESEX AVE	WILMINGTON	GAS STATION	12000	GASOLINE
SHELL SERVICE STATION	361 MIDDLESEX AVE	WILMINGTON	GAS STATION	12000	GASOLINE
SHELL SERVICE STATION	361 MIDDLESEX AVE	WILMINGTON	GAS STATION	1000	WASTE OIL
SHELL SERVICE STATION	586 MAIN ST & LOWELL	WILMINGTON	GAS STATION	10000	GASOLINE
SHELL SERVICE STATION	586 MAIN ST & LOWELL	WILMINGTON	GAS STATION	10000	GASOLINE
SHELL SERVICE STATION	586 MAIN ST & LOWELL	WILMINGTON	GAS STATION	10000	GASOLINE
TEXTRON SYSTEMS CORP	201 LOWELL ST	WILMINGTON	INDUSTRIAL	20000	FUEL OIL
TEXTRON SYSTEMS CORP	201 LOWELL ST	WILMINGTON	INDUSTRIAL	20000	FUEL OIL
TEXTRON SYSTEMS CORP	201 LOWELL ST	WILMINGTON	INDUSTRIAL	1000	FUEL OIL
TOWN MARKET CITGO	490 MAIN ST	WILMINGTON	GAS STATION	8000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
TOWN MARKET CITGO	490 MAIN ST	WILMINGTON	GAS STATION	5000	GASOLINE
TOWN MARKET CITGO	490 MAIN ST	WILMINGTON	GAS STATION	5000	GASOLINE

FOR MORE INFORMATION ON UNDERGROUNDWATER DISCHARGE STORAGE TANKS, VISIT THE MASSACHUSETTS DEPARTMENT OF FIRE SERVICES WEB SITE: [HTTP://WWW.STATE.MA.US/DFS/UST/USTHOME.HTM](http://www.state.ma.us/dfs/ust/usthome.htm)

NOTE: THIS APPENDIX INCLUDES ONLY THOSE FACILITIES WITHIN THE WATER SUPPLY PROTECTION AREA(S) THAT MEET STATE REPORTING REQUIREMENTS AND REPORT TO THE APPROPRIATE AGENCIES. ADDITIONAL FACILITIES LOCATED WITHIN THE WATER SUPPLY PROTECTION AREA(S) SHOULD BE CONSIDERED IN LOCAL DRINKING WATER SOURCE PROTECTION PLANNING.

APPENDIX B – Table of Tier Classified Oil and/or Hazardous Material Sites within Peabody Water Supply Protection Areas and Ipswich River Watershed

DEP's datalayer depicting oil and/or hazardous material (OHM) sites is a statewide point data set that contains the approximate location of known sources of contamination that have been both reported and classified under Chapter 21E of the Massachusetts General Laws. Location types presented in the layer include the approximate center of the site, the center of the building on the property where the release occurred, the source of contamination, or the location of an on-site monitoring well. Although this assessment identifies OHM sites near the source of your drinking water, the risks to the source posed by each site may be different. The kind of contaminant and the local geology may have an effect on whether the site poses an actual or potential threat to the source.

The DEP's Chapter 21E program relies on licensed site professionals (LSPs) to oversee cleanups at most sites, while the DEP's Bureau of Waste Site Cleanup (BWSC) program retains oversight at the most serious sites. This privatized program obliges potentially responsible parties and LSPs to comply with DEP regulations (the Massachusetts Contingency Plan – MCP), which require that sites within drinking water source protection areas be cleaned up to drinking water standards.

For more information about the state's OHM site cleanup process to which these sites are subject and how this complements the drinking water protection program, please visit the BWSC web page at <http://www.state.ma.us/dep/bwsc>. You may obtain site -specific information two ways: by using the BWSC Searchable Sites database at <http://www.state.ma.us/dep/bwsc/sitellst.htm>, or you may visit the DEP regional office and review the site file. These files contain more detailed information, including cleanup status, site history, contamination levels, maps, correspondence and investigation reports, however you must call the regional office in order to schedule an appointment to view the file.

The table below contains the list of Tier Classified oil and/or Hazardous Material Release Sites that are located within your drinking water source protection area.

Table 1: Bureau of Waste Site Cleanup Tier Classified Oil and/or Hazardous Material Release Sites (Chapter 21E Sites) - Listed by Release Tracking Number (RTN).

RTN	Release Site Address	Town	Contaminant Type
3-0001813	Route 125 North Andover Bypass	Andover	Oil
3-0011228	4 Brookfield Rd	Burlington	Oil
3-0001494	Boston St	Middleton	Oil
3-0006026	24 Hilldale Ave	Middleton	Oil
3-0000692	60 Concord St	North Reading	--
3-0002363	95 Concord St	North Reading	Oil
3-0002584	70 Concord St	North Reading	--
3-0002804	5 Hallberg Park	North Reading	--

RTN	Release Site Address	Town	Contaminant Type
3-0003925	237 Main St	North Reading	--
3-0004007	Cedar St	North Reading	Oil
3-0004466	4 Lowell Rd	North Reading	Oil
3-0004468	142 Main St	North Reading	--
3-0004481	1 Boxwood Rd	North Reading	Oil
3-0017390	80 Concord St	North Reading	Hazardous Material
3-0001565	144 Newbury St	Peabody	Oil
3-0004161	153 Newbury St	Peabody	Oil
3-0016711	137 Newbury St	Peabody	Oil
3-0013565	Causeway St/Ma Hwy Dept	Reading	Oil and Hazardous Material
3-0000471	51 Eames St	Wilmington	Oil
3-0000518	50 Fordham Rd	Wilmington	Oil
3-0000625	I-93 @ Lowell St	Wilmington	--
3-0000776	324 Main St	Wilmington	--
3-0001728	945 Main St	Wilmington	Oil
3-0001916	101 Main St	Wilmington	Oil
3-0001973	804 Woburn St	Wilmington	Oil
3-0002549	730 Main St	Wilmington	
3-0002889	273 Main St	Wilmington	--
3-0003548	603 Main St	Wilmington	--
3-0003766	100 Ainsworth Rd	Wilmington	Oil
3-0003958	275 Main St	Wilmington	
3-0004022	103 Main St	Wilmington	--
3-0004170	319a Andover St	Wilmington	Oil
3-0012586	586 Main St	Wilmington	Oil
3-0013922	312 Main St	Wilmington	Oil
3-0014811	315-319 Main St	Wilmington	Hazardous Material

RTN	Release Site Address	Town	Contaminant Type
3-0014814	255 Andover St	Wilmington	Hazardous Material
3-0015247	1 Burlington Ave	Wilmington	Hazardous Material
3-0017097	80 Industrial Way	Wilmington	Hazardous Material
3-0019380	80 Industrial Way	Wilmington	Hazardous Material
3-0019651	212 Main St	Wilmington	Oil and Hazardous Material

For more location information, please see the attached map. The map lists the release sites by Release Tracking Number (RTN).