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

# Burlington Water and Sewer Division

### 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

| | |
|---|---|
| ***PWS Name*** | Burlington Water and Sewer Division |
| ***PWS Address*** | Town Hall – 29 Center Street |
| ***City/Town*** | Burlington, MA 01803-3093 |
| ***PWS ID Number*** | 3048000 |
| ***Local Contact*** | Syamal Chaudhuri – DPW Superintendent |
| ***Phone Number*** | (781) 270-1600 |

## 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.

## Section 1: Description of the Water System

***Groundwater Sources***

***Zone II #:*** 279 ***Susceptibility:*** High

| ***Well Name*** | ***Source ID#*** |
|---|---|
| Terrace Hall Well #1 | 3048000-01G |
| Terrace Hall Well # 2 | 3048000-02G |
| Middlesex Pike Well #3 | 3048000-05G |
| Middlesex Pike Well #5 | 3048000-07G |
| Middlesex Pike Well #4 | 3048000-08G |
| Lexington Well #10 | 3048000-11G |
| Lexington Well #11 | 3048000-12G |

***Surface Water Sources***

| ***Source Name*** | ***Source ID #*** | ***Susceptibility*** |
|---|---|---|
| Shawsheen River | 3048000-01S | High |
| Mill Pond Reservoir | 3048000-02S | Moderate |

Burlington Water and Sewer Division (Burlington) maintains and operates ten (10) public water supply sources, with the Wyman #8 Tubular Wells being an emergency source. Burlington's water supplies are located within the Shawsheen River basin. The watershed area for the Shawsheen River, which is diverted to the Mill Pond Reservoir, is located in the towns of Bedford, Billerica, Burlington, Concord, Lexington, and Lincoln. A small portion of the water supply protection area for the Mill Pond Reservoir extends into Wilmington and Woburn, with the majority being in Burlington. The water supply protection area for Terrace Hall Well #1 (01G), Terrace Hall Well # 2 (02G), Middlesex Pike Well #3 (05G), Middlesex Pike Well #5 (07G), Middlesex Pike Well #4 (08G), Lexington Well #10 (11G), and Lexington Well #11 (12G) is located within the towns of Burlington and Lexington, with a small portion being in Woburn.

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. One of these sources is located on the Shawsheen River. 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 Shawsheen 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, 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 Shawsheen River 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.

**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.

## Section 2: Land Uses in the Protection Areas

The Zone II, the Zone C for the Mill Pond reservoir, and the watershed for the Shawsheen 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 ranking of susceptibility to contamination for the Shawsheen River Watershed, Terrace Hall Well #1, Terrace Hall Well # 2, Middlesex Pike Well #3, Middlesex Pike Well #4, Middlesex Pike Well #5, Lexington Well #10, and Lexington Well #11 is 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 Mill 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.

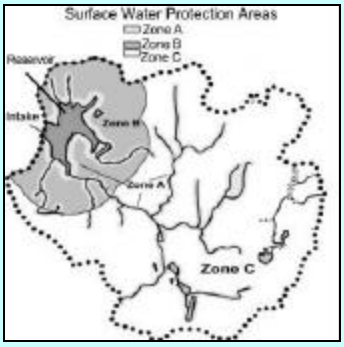
**1. Activities in Zone I –** The Zone I for each of the wells is a 400 foot radius around the wellhead. Massachusetts drinking water regulations (310 CMR 22.00) requires public water suppliers to own the Zone I, or control the Zone I through a conservation restriction. Only water supply activities are 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 Middlesex Pike Well #4 (08G) contains a small portion of the Middlesex Turnpike; and, the Zone I for the Middlesex Pike Well #3 (05G) contains a small portion of a commercial parking lot.

**Zone I Recommendations:**

- ✓ To the extent possible, remove all non-water supply activities from the Zone Is 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.

**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.



- ✓ 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 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.

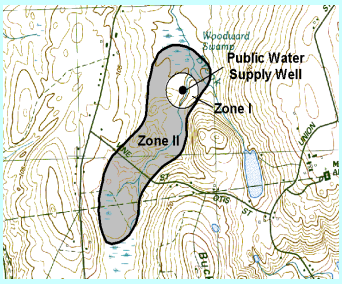
**Zone A Recommendations:**

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.

**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.




- ✓ 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 (USTs)/Aboveground Storage Tanks (ASTs). 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 <u>never</u> 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 to plan and prepare for spills by communicating with municipalities and facilities in the Ipswich River watershed, and by conducting drills.

**What are "BMPs?"**

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

**4. Residential Land Uses –** Approximately 80% of the Zone II and combined watersheds consist of residential areas, of which a portion is served by private septic systems, with the remainder being served by municipal sewering. If managed improperly, activities associated with residential areas can contribute to

*(Continued on page 8)*

**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 Shawsheen River Watershed | Potential Contaminant Sources* |
|---|---|---|---|---|---|
| **Agricultural** | | | | | |
| Fertilizer Storage or Use | 1 | M | 279 | Few | Leaks, spills, improper handling, or over-application of fertilizers |
| Landscaping | 1 | M | 279 | 1 | Leaks, spills, improper handling, or over-application of fertilizers and pesticides |
| Pesticide Storage or Use | 1 | H | 279 | Few | Leaks, spills, improper handling, or over-application of pesticides |
| **Commercial** | | | | | |
| Body Shops | -- | H | 01S | 2 | Improper management of vehicle paints, solvents, and primer products |
| Gas Stations | 3 | H | 279, 01S | 17 | Spills, leaks, or improper handling or storage of automotive fluids and fuels |
| Service Stations/ Auto Repair Shops | 8 | H | 279, 01S | 23 | Spills, leaks, or improper handling of automotive fluids, and solvents |
| Bus and Truck Terminals | 1 | H | 279, 01S | 6 | Spills, leaks, or improper handling of fuels and maintenance chemicals |
| Car/Truck/Bus Washes | 2 | L | 279 | -- | Improper management of vehicle wash water; soaps; oils; greases; metals; salts |
| Cemeteries | 1 | M | 279 | Several | Leaks, spills, improper handling, or over-application of pesticides; historic embalming fluids |
| Dry Cleaners | 1 | H | 279, 01S | 4 | Spills, leaks, or improper handling of solvents and wastes |
| Furniture Stripping and Refinishing | -- | H | 01S | 1 | Spills, leaks, or improper handling of hazardous chemicals |
| Golf Courses | -- | M | 01S | 2 | Over-application or improper handling of fertilizers or pesticides |
| Medical Facilities | 3 | M | 279, 01S | 7 | Spills, leaks, or improper handling or storage of biological, chemical, and radioactive wastes |
| Nursing Homes | 1 | L | 279 | -- | Microbial contaminants |
| Paint Shops | 1 | H | 279, 01S | 1 | Spills, leaks, or improper handling or storage of paints, solvents, other chemicals |
| Photo Processors | 4 | H | 279, 01S | 3 | Spills, leaks, or improper handling or storage of photographic chemicals |

| Land Uses | Quantity Zone II & Zone C | Threat | Zone II # Zone C Source ID # | Quantity Shawsheen River Watershed | Potential Contaminant Sources* |
|---|---|---|---|---|---|
| **Commercial** | | | | | |
| Printer and Blueprint Shops | 2 | M | 279, 01S | 7 | Spills, leaks, or improper handling or storage of printing inks and chemicals |
| Research Laboratories | 3 | M | 279, 01S | 3 | Spills, leaks, or improper handling or storage of laboratory chemicals and wastes |
| Sand and Gravel Mining/ Washing | 2 | M | 279, 01S | 1 | Spills or leaks from heavy equipment, fuel storage, clandestine dumping |
| **Industrial** | | | | | |
| Electronics/Electrical Manufacturers | 4 | H | 279, 01S | 3 | Spills, leaks, or improper handling or storage of chemicals and process wastes |
| Electroplaters | 1 | H | 279 | -- | Spills, leaks, or improper handling or storage of solvents and other chemicals |
| Food Processors | 1 | L | 279, 01S | 3 | Spills, leaks, or improper handling or storage of cleaners and other chemicals; microbial contaminants |
| Foundries or Metal Fabricators | 1 | H | 279, 01S | 1 | Spills, leaks, or improper handling or storage of solvents and other chemicals |
| Fuel Oil Distributors | -- | H | 01S | 1 | Spills, leaks, or improper handling or storage of fuel oil |
| Hazardous Materials Storage | 1 | H | 279, 01S | 2 | Spills, leaks, or improper handling or storage of hazardous materials |
| Machine/Metalworking Shops | 1 | H | 279, 01S | 3 | Spills, leaks, or improper handling of solvents; metal tailings |
| Pharmaceutical Manufacturers | -- | H | 01S | 1 | Spills, leaks, or improper handling or storage of chemicals |
| **Residential** | | | | | |
| Fuel Oil Storage (at residences) | 100+ | M | 279, 01S, 02S | 100+ | Spills, leaks, or improper handling of fuel oil |
| Lawn Care/Gardening | 100+ | M | 279, 01S, 02S | 100+ | Over-application or improper storage and disposal of pesticides |
| Septic Systems/ Cesspools | numerous | M | 279, 01S, 02S | 100+ | Microbial contaminants, and improper disposal of hazardous chemicals |
| **Miscellaneous** | | | | | |
| Aboveground Storage Tanks | Few | M | 279, 01S | 10 | Spills, leaks, or improper handling of materials stored in tanks |
| Aquatic Wildlife | -- | L | 02S | 100+ | Microbial contaminants |
| Large Quantity Hazardous Waste Generators | 1 | H | 279, 01S | 7 | Spills, leaks, or improper handling or storage of hazardous materials and waste |
| Military Facilities (Past And Present) Type: Air Force | -- | H | 01S | 1 | Spills, leaks, or improper handling or storage of pesticides and herbicides, fuel, chemicals and other materials; may include ordnance or waste landfill/dump sites |

| Land Uses | Quantity Zone II & Zone C | Threat | Zone II # Zone C Source ID # | Quantity Shawsheen River Watershed | Potential Contaminant Sources* |
|---|---|---|---|---|---|
| **Miscellaneous** | | | | | |
| Oil or Hazardous Material Sites | 7 | -- | 279, 01S | 52 | 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 | 279, 01S | 2 | Spills, leaks, or improper handling or storage of de-icing materials, automotive fluids, fuel storage, and other chemicals |
| Schools, Colleges, and Universities | 3 | M | 279, 01S, 02S | 9 | Spills, leaks, or improper handling or storage of fuel oil, laboratory, art, photographic, machine shop, and other chemicals |
| Small Quantity Hazardous Waste Generators | 10 | M | 279, 01S | 26 | Spills, leaks, or improper handling or storage of hazardous materials and waste |
| Stormwater Drains | 100+ | L | 279, 02S | 100+ | Debris, pet waste, and chemicals in stormwater from roads, parking lots, and lawns |
| Superfund Sites | -- | H | 01S | 1 | Spills, leaks, or improper handling or storage of oil or hazardous materials and waste |
| Transmission Line Rights-of-Way | 2 | L | 279, 02S, 01S | Few | Construction and corridor maintenance, over-application or improper handling of herbicides |
| Transportation Corridors | Few | M | 279, 02S | Few | Accidental leaks or spills of fuels and other hazardous materials, over-application or improper handling of pesticides |
| Underground Storage Tanks | 15 | H | 279 | 100+ | Spills, leaks, or improper handling of stored materials |
| Utility Substation Transformers | 1 | L | 279 | -- | Spills, leaks, or improper handling of chemicals and other materials including PCBs |
| Very Small Quantity Hazardous Waste Generators | 26 | L | 279, 01S | 80 | Spills, leaks, or improper handling or storage of hazardous materials and waste |
| Waste Transfer - Hazardous Materials/ Recycling Station | -- | M | 01S | 1 | Improper management, seepage, and runoff of water contacting waste materials |
| Water Treatment Sludge Lagoon | 2 | M | 02S | -- | 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)*
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 communit ies 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 source protection areas. 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.
- ✓ 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 ensure 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 for Burlington's wells contains DEP Tier Classified Oil and/or Hazardous Material Release Sites indicated on the maps as Release Tracking Numbers 3-0000264, 3-0000266, 3-0000268, 3-0003309, 3-0015930, 3-0018056, and 3-0018519. The Zone III for Burlington's wells contains DEP Tier Classified Oil and/or Hazardous Material Release Sites indicated on the maps as Release Tracking Numbers 3-0000263, 3-0000267, 3-0000669, and 3-0000981. Refer to the attached maps and Appendix C for more information on these sites, and for information on DEP Tier Classified Oil and/or Hazardous Material Release Sites within the watershed for the Shawsheen River.

**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 Town of Burlington 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).

### 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.

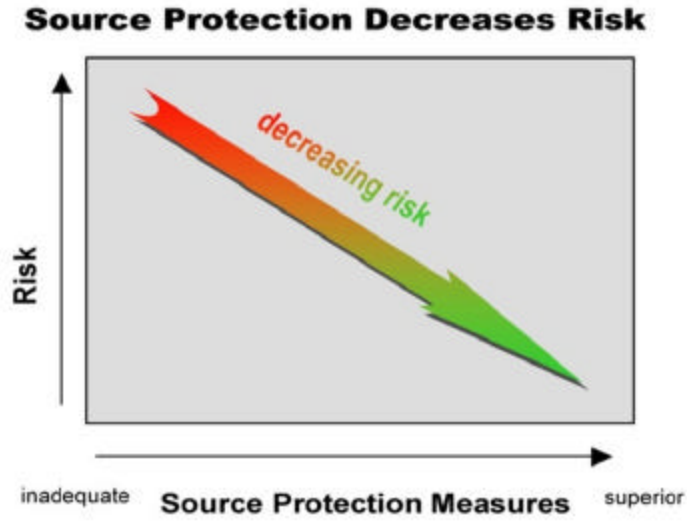



Figure 2: Risk of contamination decreases as source protection increases. This is true for public water systems of any susceptibility ranking, whether High, Moderate, or Low.

## 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? | **NO** Middlesex Pike Well #4 (08G), Middlesex Pike Well #3 (05G), Mill Pond Reservoir (02S) | Follow Best Management Practices (BMPs) 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. |
| Are the Zone I's and Zone A posted with "Public Drinking Water Supply" Signs? | **YES** | The Emergency Planning Zone for the Shawsheen 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 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** Middlesex Pike Well #4 (08G), Middlesex Pike Well #3 (05G), Mill Pond Reservoir (02S) | 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 Burlington Selectmen 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 adjacent communities to include Burlington's water supply protection areas 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. Develop spill response plan for Mill Pond Water Treatment Plant |
| 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? | **YES** | 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. |

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/.

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.

**Top 5 Reasons to Develop a Local Groundwater and 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.

## 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.

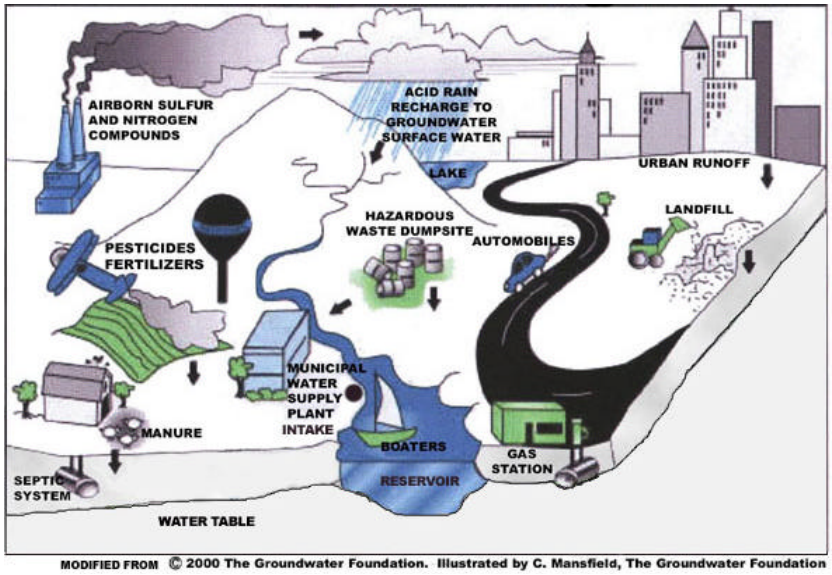



Figure 1: Sample watershed with examples of potential sources of contamination

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 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.

### 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.

## 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:

- Quarterly monitoring of Vine Brook
- Developed Quality Assurance Project Plan for Vine Brook Comprehensive Bacterial Study
- DPW participates in EPA Highway Garage Program
- Adopting toxic and hazardous materials bylaw
- Ownership of 180 acres surrounding Vine Brook
- Having, through the Board of Health, an active role in the redevelopment of former commercial and industrial sites
- All stormwater design plans reviewed by Board of Health

**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.

### 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

- ✓ 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 Boards of Health to develop an inventory of septic systems in watersheds.
- ✓ 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. The Department's Wellhead Protection Grant Program and Source Protection Grant Program provide funds to assist public water suppliers in addressing water supply source protection through local projects.

Protection recommendations discussed in this document may be eligible for funding under the Grant Program. Please note: each spring DEP posts a new Request for Response for the grant program (RFR).

Other 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 and watersheds. 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

**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 BURLINGTON WATER SUPPLY PROTECTION AREAS (INCLUDING SHAWSHEEN RIVER WATERSHED)

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 357405 | AFFYMETRIX INC | 4G CROSBY DR | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 176966 | ALLEGIANCE HEALTHCARE CORPORATION | 26 WIGGINS AVE | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 133412 | AMRAY INC | 160 MIDDLESEX TNPK | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 373320 | APPLIED BIOSYSTEMS | 2 PRESTON CT | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 193749 | APPLIED BIOSYSTEMS | 47 WIGGINS AVE | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 369270 | ARRADIAL INC | 8 PRESTON CT | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 185702 | ATEX INC | 15 CROSBY DR | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 205026 | ATEX INC | 32 WIGGINS AVE | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 330941 | BANDWIDTH SEMICONDUCTOR | 40 WIGGINS AVENUE | BEDFORD | HANDLR | AIR QUALITY PERMIT |
| 342879 | BECTON DICKINSON LABWARE | 2 OAK PARK | BEDFORD | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 34799 | BEDFORD AUTO BODY & REPAIR INC | 4 CHARLES ST | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 294157 | BEDFORD CLEANERS | 200 GREAT RD SUITE #7A | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 5618 | BEDFORD DEPARTMENT OF PUBLIC WORKS | 314 GREAT RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 230337 | BEDFORD JUNIOR HIGH | MCMAHON RD | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 282375 | BEDFORD PHOTO | 363 GREAT RD | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 35507 | BEDFORD SENIOR HIGH SCHOOL | 9 MUDGE WAY | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 32257 | BEDFORD SUNOCO & TIRE CENTER | 180 GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 38210 | BEDFORD TEXACO INC | 105 GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 299534 | BEDFORD VIDEO | 68 GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 9557 | BEDFORD WATER DEPT | 314 GREAT RD | BEDFORD | SURFAC | SURFACE WATER DISCHARGE |
| 230319 | BEDROCK CONSTRUCTION | 198 CONCORD RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 27815 | BIERENS GARAGE | 50 CONCORD RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 361383 | BOSTON PROBES INC | 15 DEANGELO DR | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 369317 | CALIPER SYSTEMS INC | 23 CROSBY DR | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 335908 | CANCER GENOMICS INC | 8 A PRESTON COURT | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 215897 | CIS-US | 5 DEANGELO DR | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 183854 | COLLABORATIVE BIOMEDICAL PRODUCT | 2 OAK PARK | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 31941 | COMPUTERVISION CORP | 100 CROSBY DR | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 376406 | CONOCOPHILLIPS EXXON 2634702 | 349 GREAT RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 281494 | CORNING LASERTRON | 11 OAK PARK | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 298337 | CVS #0736 | 199 GREAT RD | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 133406 | DIGITAL EQUIPMENT CORPORATION | BLDG 1730 HANSCOM FIELD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 37055 | DOUGLAS BILL INC | 198 GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 215637 | EKTRON APPLIED IMAGING INC | 23 CROSBY DR | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 126407 | EXXON CO USA 35681 | 349 THE GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 310926 | GAMMYS COUNTRY STORE | 44 NORTH RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 133413 | GEORGE L MEADE FOUNDRY CO. | 244 SOUTH RD | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 272646 | GOULD MOTORS INC | 25 NORTH RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 33809 | HANSCOM FIELD CIVILIAN TERMINAL LG | HANSCOM AIRFIELD | BEDFORD | FULDSP | FUEL DISPENSER |
| 317340 | HOLOGIC INC | 35 CROSBY DR | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS |
| 338707 | HOLOGRAPHIC LITHOGRAPHY SYSTEMS INC | 3 PRESTON COURT | BEDFORD | HANDLR | AIR QUALITY PERMIT |
| 133414 | JIFFY LUBE | 331 GREAT RD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 52756 | LANE SCHOOL | 9 MUDGE WAY | BEDFORD | PLANT | AIR QUALITY PERMIT |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 357802 | LATRAN TECHNOLOGIES LLC | 6 CROSBY DR | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 294158 | LUONGOS DRY CLEANERS INC | 32 SHAWSHEEN AVE | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 133415 | LUTHER K W CO INC | 1 COMMERCIAL AVE | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 283608 | MABBETT AND ASSOCIATES | 5 ALFRED CIR | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 116566 | MEDICA CORP | 14 DEANGELO DR | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 287376 | MEDISENSE INCORPORATED | 4 CROSBY DR | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 130269 | MILLIPORE CORP | 80 ASHBY RD | BEDFORD | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 215542 | MILLIPORE CORPORATION | 32 WIGGINS AVENUE | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 215948 | MILLIPORE CORPORATION | 75 WIGGINS AVE | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 215948 | MILLIPORE CORPORATION | 75 WIGGINS AVE | BEDFORD | TURRPT | LARGE QUANTITY TOXICS USER |
| 329095 | MINUTEMAN VOLKSWAGEN | 39 NORTH ROAD | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 207374 | MITRE CORP | 202 BURLINGTON RD | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 34195 | MITRE CORP THE | HANSCOM A F B BLDG 1521 | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 34195 | MITRE CORP THE | HANSCOM A F B BLDG 1521 | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 207374 | MITRE CORPORATION | 202 BURLINGTON RD | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 359822 | MYKROLIS CORPORATION | 80 ASHBY RD | BEDFORD | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 337638 | NITROMED INC | 12 OAK PARK DRIVE | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 284196 | OPTA FOOD INGREDIENTS INC | 25 WIGGINS AVE | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 342523 | OPTICAL SWITCH CORPORATION | 3 PRESTON COURT | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 52529 | OPTRON SYSTEMS INC | 3 PRESTON CT | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 336099 | PATRIOT GOLF COURSE | 200 SPRINGS ROAD BLDG 49 | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF WASTE OIL OR PCBS |
| 339580 | PRE OWNED ELECTRONICS INC | 125 MIDDLESEX TURNPIKE | BEDFORD | DISCH | MWRA SEWER CONNECTION |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 31387 | RAYTHEON ELECTRONIC SYSTEMS | 180 HARTWELL RD | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 31387 | RAYTHEON ELECTRONIC SYSTEMS | 180 HARTWELL RD | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 133411 | SCHNEEBERGER INC | 7 DEANGELO DR | BEDFORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 295500 | SCI TEX NORTH AMERICA CORP | 8 OAK PARK DR | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 325264 | SHELL 137706 | 358 GREAT RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 131742 | SPIRE CORP | PATRIOTS PK | BEDFORD | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 135819 | STADIUM MOBIL | 181 GREAT RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 135676 | SUNOCO 0005 3827 | 180 GREAT RD | BEDFORD | FULDSP | FUEL DISPENSER |
| 29343 | TAYLOR & LLOYD INC | 8 RAILROAD AVE | BEDFORD | TURRPT | BELOW TOXICS USE REDUCTION REG LEVELS |
| 178575 | TOXIKON CORPORATION | 15 WIGGINS AVE | BEDFORD | DISCH | MWRA SEWER CONNECTION |
| 287345 | TYTRONICS INC | 25 WIGGINS AVE | BEDFORD | DISCH | MWRA SEWER CONNECTION |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 374403 | US DEPT OF NAVY ENGR FIELD ACTIVITY NE | HARTWELL RD | BEDFORD | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 374403 | US HANSCOM AIR FORCE BASE | HARTWELL RD | BEDFORD | TRSTN | TRANSFER STATION FOR HAZARDOUS MATERIAL |
| 374403 | US HANSCOM AIR FORCE BASE | HARTWELL RD | BEDFORD | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 131338 | US VETERANS ADMINISTRATION MEDICAL CENTE | 200 SPRINGS RD | BEDFORD | PLANT | RES APPLICATION APPROVED |
| 130267 | WE ANDREWS COMPANY INC | 140 SOUTH RD | BEDFORD | PLANT | AIR QUALITY PERMIT |
| 216401 | AMERICAN FOOD SYSTEMS | 30 B ST | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 216486 | ASSOCIATED TESTING LABS | 53 SECOND AVE | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 29221 | AZONIX CORP | 25 ADAMS ST | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 216411 | BORJOHN GALAXIE | 18A ST | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 37351 | BURLINGTON DEPARTMENT OF PUBLIC WORKS | MEADOW ROAD | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 29604 | BURLINGTON DODGE INC | 90 MIDDLESEX TNPK | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 107112 | BURLINGTON SAND & GRAVEL | 14 WHEELER RD | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 343756 | BURLINGTON VETERINARY HOSPITAL | 64 MIDDLESEX TURN | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 257366 | CGI INCORPORATED | 5 OLD CONCORD RD | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 27584 | CLARK & REID CO INC | 1 DUNHAM RD | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 338472 | CORETEK INC | 25 B STREET | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 369284 | DYNAMET TECHNOLOGY INC | 8 A ST | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 357935 | EQUITY OFFICE PROPERTIES | 3 NEW ENGLAND EXE | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 207956 | EXPRESSLY PORTRAITS #100 | BURLINGTON MALL | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 177646 | EXXON CO USA 35749 | 90 MIDDLESEX TNPK | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 229838 | FRANCIS WYMAN MIDDLE SCHOOL | TERRACE HALL AVE | BURLINGTON | PLANT | AIR QUALITY PERMIT |
| 208445 | GALAXIE LAB INC | 18 A ST | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 334873 | GETOV MACHINE INC | 78 BLANCHARD ROAD | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 130450 | GOODWAY GRAPHICS OF MASSACHUSETTS | 16 A ST | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 136551 | HERTZ CORPORATION | 68 MIDDLESEX TURN | BURLINGTON | FULDSP | FUEL DISPENSER |
| 327579 | HOMESTEAD VILLAGE | 40 SOUTH AVENUE | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 265578 | JIFFY LUBE STORE 1495 | 1100 MIDDLESEX TN | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 357151 | JOHN CARUSO LANDSCAPING INC | 2 WHEELER RD | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 265037 | JORDAN MARSH SULLIVAN TIRE | BURLINGTON MALL | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 130446 | LAHEY HITCHCOCK MEDICAL CENTER | 41 MALL RD | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 306346 | MA COM INC | 33R SECOND AVE | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 130444 | MA COM INC | 43 SOUTH AVE | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 10588 | MA HOSPITAL ASSOCIATION | 5 NEW ENGLAND EXE | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 367510 | MOBIL 10255 | 50 MIDDLESEX TNPK | BURLINGTON | FULDSP | FUEL DISPENSER |
| 32943 | NEAT N CLEAN DRY CLEANERS | 228 CAMBRIDGE STR | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 37275 | NEDS TEXACO SERVICE | 49 MIDDLESEX TNPK | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 358001 | NEUBER INDUSTRIAL DIAMOND | 10 B ST | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 32739 | NIXDORF COMPUTER CORP | 23 FOURTH AVE | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 130454 | QUINN PERKINS SAND & GRAVEL | ADAMS STREET | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 295396 | RITZ CAMERA | 95 MALL RD | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 293993 | RYDER TRANSPORTATION SERVICE | 2 MEADOW RD | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 130448 | SEARS ROEBUCK & CO | 1100 BURLINGTON M | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 325325 | SHELL 116789 | 61 MIDDLESEX TPKE | BURLINGTON | FULDSP | FUEL DISPENSER |
| 133584 | STEWART HUNT INC | 8 GARFIELD CIR | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERAT |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 216459 | STRATO REPROGRAPHIX | 82 MIDDLESEX TNPK | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 334393 | SULLIVAN TIRE CO INC | BURLINGTON MALL | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 343664 | SURMET CORPORATION | 33 B STREET | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 364387 | TOSCO CORP | 181 CAMBRIDGE ST | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 327585 | VINEBROOK GROUNDWATER TRE | 171 MIDDLESEX TUR | BURLINGTON | DISCH | MWRA SEWER CONNECTION |
| 130445 | WHITE CONSOLIDATED INDUST | 15 ADAMS ST | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 216665 | ZOLL MEDICAL CORP | 32 SECOND AVE | BURLINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR |
| 216665 | ZOLL MEDICAL CORP | 32 SECOND AVE | BURLINGTON | FULDSP | FUEL DISPENSER |
| 216665 | ZOLL MEDICAL CORP | 32 SECOND AVE | BURLINGTON | TURRPT | LARGE QUANTITY TOXICS USER |
| 216665 | ZOLL MEDICAL CORP | 32 SECOND AVE | BURLINGTON | HANDLR | SMALL QUANTITY GENERATOR |
| 36078 | A M A TRANSPORTATION CO INC | 12 DUNHAM RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 313056 | ADVANCED SURFACE TECHNOLO | 9 LINNELL CIR | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 281496 | AMERICAN SCIENCE AND ENGINEERING | 829 MIDDLESEX TNP | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 130304 | AOTCO METAL FINISHING | 11 SUBURBAN PARK | BILLERICA | PLANT | AIR QUALITY PERMIT |
| 343099 | ARROW REPAIR | 1 INNIS DRIVE BAY | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 135861 | BERMAN REPAIR & SALES INC | 221 ANDOVER ST | BILLERICA | FULDSP | FUEL DISPENSER |
| 251308 | BILLERICA TIRE AND AUTO REPAIR | 737 BOSTON RD | BILLERICA | DISCH | BELOW INDUSTRIAL WASTE WATE |
| 251308 | BILLERICA TIRE AND AUTO REPAIR | 737 BOSTON RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 375422 | BOSTON ROAD GAS | 737 BOSTON RD | BILLERICA | FULDSP | FUEL DISPENSER |
| 133459 | BOUDREAUS JIM MUFFLER CON | 737 BOSTON RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 375886 | BROOKS PRI AUTOMATION | 805 MIDDLESEX TUR | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 205721 | C M C TORQUE SYSTEMS DIVISION | 829A MIDDLESEX TN | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 34263 | C R MACHINE CO INC | 13 ALEXANDER RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 343097 | CARROLL AUTO BODY | 1 INNIS DRIVE | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 132492 | DYNAMIC MACHINE WORKS INC | 12 SUBURBAN PK DR | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 135014 | EPOXY TECHNOLOGY INC | 14 FORTUNE DR | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 27660 | FARMER J E INC | 4 EVERETT RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 131764 | FURNITURE STRIPPING/REFINISHIN G | 2 INNIS DR | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 126461 | GETTY 30610 | 581 BOSTON POST RD | BILLERICA | FULDSP | FUEL DISPENSER |
| 133455 | HILLQUIST W K INC | 35 DUNHAM RD | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 133457 | JIFFY LUBE | 720 BOSTON RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 378225 | LAB MEDICAL | 28 COOK ST | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 33894 | MIDAS MUFFLER | 556 BOSTON RD | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 374349 | MILLIPORE CORPORATION | 900 MIDDLESEX TNP | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 34908 | NEW ENGLAND MOTOR FREIGHT | 9 DUNHAM RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 365558 | NEWPORT CORP | 5 SUBURBAN PARK DR | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 329255 | NUTCRACKER BRANDS INC | 26 COOK STREET | BILLERICA | PLANT | AIR QUALITY PERMIT |
| 36165 | PAIGES JENNEY SERVICE STATION | 812 BOSTON RD | PINEHURST | HANDLR | VERY SMALL QUANTITY GENERAT |
| 329030 | PREPRESS SOLUTIONS INC | 29 DUNHAM ROAD | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 340826 | RADIONICS | 6 COOK STREET | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 363441 | ROUTE 3A ENTERPRISES LLC | 760 BOSTON RD | BILLERICA | FULDSP | FUEL DISPENSER |
| 2446 | ROY BROTHERS INC | 764 BOSTON RD | BILLERICA | DISCH | INDUSTRIAL WASTE WATER TO S |
| 377563 | RWE SCHOTT SOLAR INC | 4 SUBURBAN PARK D | BILLERICA | DISCH | INDUSTRIAL WASTE WATER TO S |
| 300518 | RYDER TRANSPORTATION SERV | 1 DUNHAM RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 241662 | SCHLUMBERGER | 829 MIDDLESEX TNP | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 130310 | SHAWSHEEN TECHNICAL HIGH SCHOOL | 100 COOK ST | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 191472 | SIPEX CORPORATION | 22 LINNELL CIR | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 300522 | SPECTRUM PRINTING & GRAPH | 31 DUNHAM RD | BILLERICA | HANDLR | SMALL QUANTITY GENERATOR OF |
| 371114 | USF RED STAR INC | 2-4 DUNHAM RD | BILLERICA | HANDLR | VERY SMALL QUANTITY GENERAT |
| 36804 | CONCORD CARLISLE REGIONAL SCHOOL | 120 MERIAM ST | CONCORD | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 296062 | DRAPER LABORATORY SPECIAL TEST FACILITY | 711 VIRGINIA RD | CONCORD | PLANT | AIR QUALITY PERMIT |
| 296062 | DRAPER LABORATORY SPECIAL TEST FACILITY | 711 VIRGINIA RD | CONCORD | FULDSP | FUEL DISPENSER |
| 132381 | BATTLE GREEN SHELL STATION | 46 BEDFORD ST | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 292839 | BETH ISRAEL CHILDRENS HOSPITAL | 482 BEDFORD ST | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 29029 | C & W TRANS INC | 240 BEDFORD ST | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 295256 | CAMERAS INC | 1740 MASSACHUSETTS AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 378633 | CLEAN HARBORS ENVIRONMENTAL SERVICES INC | 60 HARTWELL AVE | LEXINGTON | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 177173 | CUMBERLAND GULF 118753 | 39 BEDFORD ST | LEXINGTON | FULDSP | FUEL DISPENSER |
| 325858 | CVS #0307 | 1735 MASSACHUSETTS AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 216968 | FUJI IMMUNO PHARMACEUTICALS CORP | 125 HARTWELL AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 365460 | GENZYME | 4 MAGUIRE RD | LEXINGTON | PLANT | AIR QUALITY PERMIT |
| 365863 | GOODRICH CORP | 4 HARTWELL PL | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 130976 | INSTRUMENTATION LABORATORY | 113 HARTWELL AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 7288 | LEXINGTON DEPARTMENT OF PUBLIC WORKS | 201 BEDFORD ST | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 52761 | LEXINGTON HIGH SCHOOL | 251 WALTHAM ST | LEXINGTON | PLANT | AIR QUALITY PERMIT |
| 319266 | LEXINGTON PODIATRY | 76 BEDFORD ST STE 31 | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 216981 | LEXINGTON PRESS INC | 7 OAKLAND ST | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 216981 | LEXINGTON PRESS INC THE | 7 OAKLAND ST | LEXINGTON | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 52511 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 244 WOOD ST | LEXINGTON | PLANT | AIR QUALITY PERMIT |
| 371851 | MEDISPECTRA INC | 45 HARTWELL AVE | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 131532 | MIT LINCOLN LABORATORY | 244 WOOD ST | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 367652 | MOBIL 12258 | 647 LOWELL ST | LEXINGTON | FULDSP | FUEL DISPENSER |
| 52957 | PLANT ACTION INC | 544 LOWELL ST | LEXINGTON | PLANT | AIR QUALITY PERMIT |
| 325492 | SHELL 137779 | 46 BEDFORD ST | LEXINGTON | FULDSP | FUEL DISPENSER |
| 300520 | SHIONOGI BIORESEARCH CORPORATION | 45 HARTWELL AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 116356 | SIR SPEEDY INC | 76 BEDFORD ST #6 | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 292841 | TOWN OF LEXINGTON | 1625 MASSACHUSETTS AVE | LEXINGTON | DISCH | MWRA SEWER CONNECTION |

| DEP FACILITY NUMBER | FACILITY NAME | ADDRESS | TOWN | PERMITTED ACTIVITY | ACTIVITY CLASS |
|---|---|---|---|---|---|
| 343378 | TYCO ADHESIVES LP | 17 HARTWELL AVE | LEXINGTON | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 318420 | VARIAN INC | 121 HARTWELL AVE | LEXINGTON | TURRPT | LARGE QUANTITY TOXICS USER |
| 297074 | WALGREENS #1863 | 60 BEDFORD ST | LEXINGTON | DISCH | MWRA SEWER CONNECTION |
| 338002 | ZYCOS INC | 44 HARTWELL AVE | LEXINGTON | FULDSP | FUEL DISPENSER |
| 338002 | ZYCOS INC | 44 HARTWELL AVE | LEXINGTON | HANDLR | VERY SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 338002 | ZYCOS INC | 44 HARTWELL AVE | LEXINGTON | HANDLR | SMALL QUANTITY GENERATOR OF HAZ WASTE |
| 338002 | ZYCOS INC | 44 HARTWELL AVE | LEXINGTON | HANDLR | LARGE QUANTITY GENERATOR OF HAZ WASTE |
| 338002 | ZYCOS INC | 44 HARTWELL AVE | LEXINGTON | TURRPT | LARGE QUANTITY TOXICS USER |
| | | | | | |
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**UNDERGROUNDWATER STORAGE TANKS WITHIN BURLINGTON WATER SUPPLY PROTECTION AREAS (INCLUDING SHAWSHEEN RIVER WATERSHED)**

| FACILITY NAME | ADDRESS | TOWN | DESCRIPTION | NUMBER OF TANKS |
|---|---|---|---|---|
| BEDFORD DPW GARAGE | 314 GREAT RD | BEDFORD | OTHER | 3 |
| BEDFORD TEXACO | 105 GREAT RD | BEDFORD | GAS STATION | 3 |
| BELL ATLANTIC 6248-06 | 70 PAGE RD | BEDFORD | UTILITIES | 1 |
| ENRM VA MEDICAL CENTER | 200 SPRINGS RD | BEDFORD | FEDERAL / MILITARY | 16 |
| CARLETON-WILLARD HOMES INC | 100 OLD BILLERICA RD | BEDFORD | OTHER | 2 |
| GAMMYS COUNTRY STORE | 44 NORTH RD | BEDFORD | GAS STATION | 3 |
| HANSCOM FIELD BUILDING MAINTENANCE | HANSCOM FIELD | BEDFORD | FEDERAL / MILITARY | 5 |
| MASS PORT CIVIL TERMINAL - MAINTENANCE | HANSCOM AIR FIELD | BEDFORD | AIRPORT | 3 |
| SEWER PUMPING STATION | 299 GREAT RD | BEDFORD | MUNICIPAL | 1 |
| SHAWSHEEN WELLFIELD | 131 SHAWSHEEN RD | BEDFORD | OTHER | 1 |

| FACILITY NAME | ADDRESS | TOWN | DESCRIPTION | NUMBER OF TANKS |
|---|---|---|---|---|
| SHELL 137706 | 358 GREAT RD | BEDFORD | GAS STATION | 3 |
| STADIUM MOBIL | 181 GREAT RD | BEDFORD | GAS STATION | 4 |
| SUNOCO 0005 3827 | 180 GREAT RD | BEDFORD | GAS STATION | 4 |
| TAYLOR & LLOYD INC | 8 RAILROAD AVE | BEDFORD | VEHICLE DEALER | 1 |
| TOSCO EXXON | 349 GREAT RD | BEDFORD | GAS STATION | 3 |
| AMA TRANSPORTATION CO INC | 28 PLANK ST | BILLERICA | TRUCK/TRANSPORT | 1 |
| BERMAN REPAIR & SALES INC | 221 ANDOVER ST | BILLERICA | GAS STATION | 4 |
| GETTY 30610 | 581 BOSTON POST RD | BILLERICA | GAS STATION | 4 |
| NEW ENGLAND MOTOR FREIGHT | 9 DUNHAM RD | BILLERICA | TRUCK/TRANSPORT | 2 |
| NEW ENGLAND WHEELS | 50 DUNHAM RD | BILLERICA | TRUCK/TRANSPORT | 2 |
| PERMA INC | 605 SPRING ST | BILLERICA | INDUSTRIAL | 4 |

| FACILITY NAME | ADDRESS | TOWN | DESCRIPTION | NUMBER OF TANKS |
|---|---|---|---|---|
| ROUTE 3A ENTERPRISES LLC | 760 BOSTON RD | BILLERICA | GAS STATION | 2 |
| ROY BROS INC | 764 BOSTON RD | BILLERICA | TRUCK/TRANSPORT | 1 |
| TOWNE PLAZA INC | 737 BOSTON RD | BILLERICA | GAS STATION | 3 |
| BELL ATLANTIC | 1 BEDFORD ST | BURLINGTON | UTILITIES | 2 |
| BURLINGTON AUTO SALES & SERVICE | 324 CAMBRIDGE ST | BURLINGTON | GAS STATION/ VEHICLE DEALER | 5 |
| BURLINGTON TEXACO | 161 BEDFORD ST | BURLINGTON | GAS STATION | 3 |
| HARRINGTON'S AUTOMOTIVE INC | 118 CAMBRIDGE ST | BURLINGTON | GAS STATION | 3 |
| HERTZ RENT-A-CAR | 68 MIDDLESEX TURNPIKE | BURLINGTON | CAR RENTAL | 1 |
| HESS | 110 CAMBRIDGE ST | BURLINGTON | GAS STATION | 3 |
| LAHEY CLINIC | 41 MALL RD | BURLINGTON | HOSPITAL | 2 |
| MOBIL #01-JEL | 50 MIDDLESEX TURNPIKE | BURLINGTON | GAS STATION | 3 |

| FACILITY NAME | ADDRESS | TOWN | DESCRIPTION | NUMBER OF TANKS |
|---|---|---|---|---|
| MOBIL S/S #01-PPY | 173 BEDFORD ST | BURLINGTON | GAS STATION | 4 |
| SHELL SERVICE STATION 22010300204 | 61-63 MIDDLESEX TURNPIKE | BURLINGTON | GAS STATION | 4 |
| SHELL SERVICE STATION | 140 CAMBRIDGE ST | BURLINGTON | GAS STATION | 4 |
| TOSCO EXXON #2634718 | 181 CAMBRIDGE ST | BURLINGTON | GAS STATION | 4 |
| TOWN OF BURLINGTON | 29 CENTER ST | BURLINGTON | MUNICIPAL | 2 |
| WRKO TRASMITTER | 8 GREAT MEADOW RD | BURLINGTON | BROADCAST TRANSMITTER | 1 |
| MIT LINCOLN LAB FLIGHT FACILITY | 711 VIRGINIA RD | CONCORD | FEDERAL / NON-MILITARY | 3 |
| C & W TRANSPORTATION | 240 BEDFORD ST | LEXINGTON | TRUCK/TRANSPORT | 2 |
| CUMBERLAND FARMS #118753 | 39 BEDFORD ST | LEXINGTON | GAS STATION | 3 |
| DIAMOND MIDDLE SCHOOL | 99 HANCOCK ST | LEXINGTON | OTHER | 1 |
| LEXINGTON GOLF CLUB | 55 HILL ST | LEXINGTON | COUNTRY CLUB/ GOLF COURSE | 1 |

| FACILITY NAME | ADDRESS | TOWN | DESCRIPTION | NUMBER OF TANKS |
|---|---|---|---|---|
| MOBIL #01-335 | 647 LOWELL ST | LEXINGTON | GAS STATION | 4 |
| MOBIL #01-PEJ | 277 BEDFORD ST | LEXINGTON | GAS STATION | 4 |
| SHELL SERVICE STATION #137779 | 46 BEDFORD ST/ WORTHEN RD | LEXINGTON | GAS STATION | 5 |
| US EPA REGIONAL LABORATORY | 60 WESTVIEW ST | LEXINGTON | INDUSTRIAL | 1 |
| VERIZON MASSACHUSETTS 624307 | 73 WALTHAM ST | LEXINGTON | UTILITIES | 2 |
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FOR MORE INFORMATION ON UNDERGROUNDWATER DISCHARGEARGE STORAGE TANKS, VISIT THE MASSACHUSETTS DEPARTMENT OF FIRE SERVICES WEB SITE: 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 APPROVEDOPRIATE 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 Burlington Water Supply Protection Areas, and the Shawsheen 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 |
|---|---|---|---|
| 3-0000222 | 185 Great Rd | Bedford | Oil |
| 3-0000223 | Hartwell Rd | Bedford | Oil |
| 3-0000550 | 180 Great Rd | Bedford | -- |
| 3-0000551 | 181 Great Rd | Bedford | Oil |
| 3-0000588 | 180 Hartwell Rd | Bedford | Oil and Hazardous Material |
| 3-0001341 | 205 Burlington Rd | Bedford | Oil |
| 3-0002407 | 358 Great Rd | Bedford | Oil |
| 3-0002611 | Hartwell Rd | Bedford | -- |
| 3-0003526 | 353 Great Rd | Bedford | Oil |

| RTN | Rele ase Site Address | Town | Contaminant Type |
|---|---|---|---|
| 3-0003882 | Hartwell Rd | Bedford | Oil |
| 3-0004047 | 105 Great Rd | Bedford | Oil |
| 3-0004614 | 200 Spring Rd | Bedford | -- |
| 3-0011385 | Hanscom Field | Bedford | Oil |
| 3-0011502 | Hanscom Afb | Bedford | Oil |
| 3-0013953 | 200 Hanscom Dr | Bedford | Hazardous Material |
| 3-0017283 | 4d Crosby Dr | Bedford | Oil |
| 3-0002137 | 626 Boston Rd | Billerica | Oil |
| 3-0002822 | 221 Andover Rd | Billerica | -- |
| 3-0003010 | 737 Boston Rd | Billerica | -- |
| 3-0006065 | 7 Summit Rd | Billerica | -- |
| 3-0018661 | 3 Plank St | Billerica | Oil and Hazardous Material |
| 3-0020303 | 760 Boston Ave | Billerica | Oil |
| 3-0000263 | 71 Third Ave | Burlington | Oil |
| 3-0000264 | 63 South Ave | Burlington | Oil |
| 3-0000265 | 183 Bedford St | Burlington | Oil and Hazardous |
| 3-0000266 | 70 Blanchard Rd | Burlington | Oil |
| 3-0000267 | 160 Wheeler Rd (Rte 62) | Burlington | Oil and Hazardous |
| 3-0000268 | Middlesex Trnpk | Burlington | Oil |
| 3-0000563 | 116 Cambridge St | Burlington | -- |
| 3-0000586 | Northwest Industrial Park | Burlington | Oil and Hazardous Material |
| 3-0000669 | 30 Blanchard Rd | Burlington | Oil |
| 3-0000909 | 62 Middlesex Trnpk | Burlington | Hazardous Material |
| 3-0000981 | 85 South Bedford St | Burlington | Oil and Hazardous Material |
| 3-0001081 | 118 Cambridge St | Burlington | -- |
| 3-0001227 | 173 Bedford St | Burlington | -- |
| 3-0001438 | 110 Cambridge St | Burlington | -- |
| 3-0002218 | 140 Cambridge St | Burlington | Oil |

| RTN | Rele ase Site Address | Town | Contaminant Type |
|---|---|---|---|
| 3-0003024 | 1 Kimball Ave | Burlington | Hazardous Material |
| 3-0003309 | 5 Cypress St | Burlington | Oil |
| 3-0014582 | 18 A St | Burlington | Hazardous Material |
| 3-0016774 | 52 Second Ave | Burlington | Hazardous Material |
| 3-0017578 | Bedford & Network Dr | Burlington | Oil |
| 3-0018273 | 111 Cambridge St | Burlington | Oil |
| 3-0018622 | 61 Thru 63 Middlesex Tnpk | Burlington | Oil |
| 3-0018624 | 61 Thru 63 Middlesex Tnpk | Burlington | Oil |
| 3-0019203 | 68 Middlesex Tnpk | Burlington | Hazardous Material |
| 3-0019313 | 120 Cambridge St | Burlington | Hazardous Material |
| 3-0000786 | 277 Bedford St | Lexington | -- |
| 3-0015167 | 25 Demar Rd | Lexington | Oil |
| 3-0015930 | 1575 Massachusetts Ave | Lexington | Oil |
| 3-0017478 | 39 Bedford St | Lexington | Oil |
| 3-0018056 | 10 Depot Sq | Lexington | Oil |
| 3-0018519 | 1707 Mass Ave | Lexington | Hazardous Material |

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