

**PROTECTING OUR CHILDREN AND THEIR  
ENVIRONMENT:**

**AN INVESTIGATION  
TO DETERMINE WHETHER RELEASES  
OF OIL OR HAZARDOUS MATERIALS  
ARE AFFECTING SCHOOLS AND  
ENVIRONMENTAL JUSTICE AREAS IN  
WORCESTER, MASSACHUSETTS**

**Prepared by the Bureau of Waste Site Cleanup  
Massachusetts Department of Environmental Protection**

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## EXECUTIVE SUMMARY

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The mission of the Massachusetts Department of Environmental Protection (MassDEP) is to protect and enhance the quality of the Commonwealth's natural resources – its air, water and land – in order to protect the health, safety and welfare of its citizens. MassDEP's Bureau of Waste Site Cleanup is charged with ensuring timely and effective responses to over 2,000 environmental emergencies such as oil spills and chemical fires each year as well ensuring that cleanups that are already underway are completed at more than 6,000 contaminated properties across the Commonwealth. The regulations that govern the investigation and cleanup of chemical spills and contaminated property in Massachusetts are known as the Massachusetts Contingency Plan (the MCP).

MassDEP conducted a targeted exposure potential and compliance evaluation of MCP sites and facilities that generate hazardous waste in the City of Worcester to determine if they have the potential to adversely impact the health, safety and welfare of school children, a particularly sensitive receptor group. MassDEP evaluated all response actions conducted at MCP sites located within 1000 feet of Worcester schools and Group Child Care centers. The MCP sites in the study area were prioritized based on the likelihood that soil or groundwater contamination might pose risk to children. Highest priority was given to releases that could impact indoor air in nearby schools or homes and sites where children might come into contact with contaminated surficial soil or could be exposed to fugitive dust blowing off-site.

MassDEP identified a total of three-hundred and three (303) reported releases of oil or hazardous materials at locations within 1000 feet of seventy-two (72) schools and forty-five (45) group child care centers. Thirty-nine (39) of the schools (54%) and twenty-nine (29) of the group child care facilities (62%) are located within Environmental Justice (EJ) communities. No releases were reported within the 1000-foot radius of twenty (20) schools or seventeen (17) group child care centers.

MassDEP's exposure potential evaluation determined the types and concentrations of chemicals released at a site and whether or not the chemicals impacted soil, groundwater or air quality, and ultimately, whether any "sensitive receptor" (such as a child) could be exposed to or come into contact with environmental contamination. MassDEP designed the compliance evaluation to determine whether the parties legally required to clean up the MCP sites were conducting response actions in accordance with MCP performance standards and cleanup deadlines.

To implement the exposure potential and compliance evaluations, MassDEP conducted file and data reviews, audited cleanup reports, and evaluated the compliance status of the parties required to cleanup the MCP sites identified throughout the study area. MassDEP also evaluated facilities permitted as large quantity hazardous waste generators and toxics users in the study area.



The exposure potential evaluation revealed the following:

- No MCP sites in the study area were found to impact the drinking water provided to residents of Worcester. Worcester is served by a public water supply system with reservoirs outside the study area;
- No sites were found that pose a health risk to nearby residents or school children as a result of a direct contact hazard or airborne dust from surficial soil contamination; and
- Three (3) releases resulted in the detection of hazardous materials in the indoor air at three (3) private schools that occupy former industrial facilities, which are MCP sites. Immediate response actions conducted at these three sites, under close MassDEP scrutiny, have made the schools safe for children.
- Heating oil releases have occurred at five (5) Worcester public school buildings, one (1) private school building, and one (1) group daycare facility. A release of gasoline occurred at one (1) Worcester public school. Each of these releases has been cleaned up and MassDEP review has determined that the response actions at these schools have been adequate.
- No other sites were found to have site conditions that could pose a health risk as a result of indoor air contamination caused by vapor migration from contaminated groundwater into nearby schools.

The compliance evaluation showed that response actions conducted by parties responsible for the contamination have been conducted properly at the majority (81%) of sites within the study area. Although site conditions were not found to pose risk to schools or nearby residents, MassDEP identified twenty-four (24) sites where response actions were found to be inadequate or behind schedule. Enforcement actions were initiated in order to get the parties responsible for the cleanups back on schedule.

MassDEP is committed to continue auditing response actions at MCP sites and taking enforcement actions when necessary to ensure that contamination is cleaned up properly and on time in Worcester and across Massachusetts.

An electronic copy of this report can be found at MassDEP's web site:

<http://mass.gov/dep/cleanup/sites/school.htm>.

If readers would like more information about this evaluation or any specific MCP site in Worcester, please contact:

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## 1.0 INTRODUCTION

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Many of us are aware of locations in our communities that have been affected by environmental contamination. In some cities, residents in more densely populated urban neighborhoods live side-by-side with numbers of large and small sources of environmental pollution that may pose a health risk if not properly controlled. The Department of Environmental Protection (MassDEP) is responsible for making sure that environmental contamination is cleaned up properly and in a timely manner as well as ensuring that our air and water is clean, solid and hazardous wastes are managed safely and wetlands and coastal resources are preserved. MassDEP is also committed to keeping citizens informed about important environmental matters that may affect their communities. To that end, MassDEP's Bureau of Waste Site Cleanup (BWSC) has prepared this report to update the citizens of Worcester on the status of environmental cleanups in certain key areas of the city.

The regulations that govern the investigation and cleanup of chemical spills and contaminated property in Massachusetts are known as the **Massachusetts Contingency Plan**<sup>1</sup> (the "**MCP**"; 310 CMR 40.0000). To evaluate compliance with the MCP, MassDEP conducted a targeted review of **MCP sites** in five (5) Massachusetts cities – Fall River, Worcester, Holyoke, Springfield and Chelsea. These cities were chosen because the Commonwealth of Massachusetts Executive Office of Environmental Affairs (EOEA) has designated some of their neighborhoods as **Environmental Justice (EJ) areas**. Environmental justice is based on the principle that all people have a right to be protected from environmental pollution and to live in and enjoy a clean and healthful environment. Environmental justice areas tend to have a higher than average number of MCP sites than other communities. The average number of MCP sites in cities and towns with EJ areas is over 170, while the average number of MCP sites for cities and towns without EJ areas is 40. This could be attributed to the fact that most EJ areas are located within densely populated areas that often may have high concentrations of industrial and commercial facilities. *Figure 1* illustrates designated EJ areas within the City of Worcester.

Because children are more likely to experience health problems from environmental **contamination** than adults and most children spend up to half their weekday hours away from home at **school**, MassDEP focused its evaluation on MCP sites and hazardous waste generators located near schools within Worcester's EJ areas. Although the entire city is not an EJ area, the scope of this evaluation was expanded to include all the schools in Worcester. For the purpose of this project, the lists of schools included public and private, primary and secondary schools, licensed **group child care** facilities and federal Head Start locations. All releases that have been reported to the MassDEP within 1,000 feet of Worcester schools or group child care facilities were reviewed to determine if response actions are being properly conducted where needed to mitigate potential risks to children.

MassDEP identified seventy-two (72) public and private schools in the City of Worcester. Schools selected for this study were identified based on a review of school location and status information obtained from the Massachusetts Department of Education and the City of Worcester. MassDEP also identified forty-five (45) group child care providers in the City of Worcester. The list includes federal Head Start Program locations.

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<sup>1</sup> This report contains terminology that may be new to the readers. With this in mind, **Appendix A** presents definitions for terms commonly used by the Department when implementing the MCP. All words in this report appearing in **bold** typeface are defined or explained in an alphabetical list in Appendix A.

MassDEP evaluated how it might be possible for children or adults to come into contact with or otherwise be exposed to environmental contamination at MCP sites located within 1000 feet of a school or group child care facility. This type of evaluation is called an **exposure pathway assessment**. A key principle of such an assessment is, “no exposure – no risk”. The exposure pathways evaluated in this study were:

- Ingestion of **contaminated media** (e.g., drinking water, surficial soils) – has contamination at an MCP site impacted a drinking water supply or is there potential for incidental ingestion of contaminated soil?
- Direct contact – is contaminated soil or debris accessible? Can a person unknowingly or otherwise come into contact with contaminated soil or debris? and,
- Inhalation – can contaminated dust or vapors pollute outdoor (ambient) air? Can chemicals somehow affect the indoor air quality of nearby buildings?

Drinking water was eliminated from further review as an exposure pathway of concern because the City of Worcester receives its drinking water from a public water supply system that draws water from surface water reservoirs and wells located outside the city. None of the MCP sites in the study area are near these water supply sources. In addition, public water supplies are tested frequently to ensure that the water provided to consumers meets all applicable drinking water standards. The exposure pathway evaluation then focused on MCP sites with releases of the type that could result in impacts to indoor air in nearby schools and homes and sites where people might come into contact with contaminated surficial soil or could be exposed to fugitive dust blowing off-site.

While not within the scope of this evaluation, it should be noted that MassDEP has several programs that work to promote a “healthy school environment.” MassDEP inspects school asbestos removal projects to ensure that the material is properly contained and disposed. MassDEP also works with school districts across Massachusetts to reduce exposures to diesel pollutants from idling school buses. Scientific studies indicate that exposure to exhaust from diesel vehicles over time can cause serious health problems. In light of the importance of this matter, MassDEP has recently conducted numbers of inspections at schools throughout the state, citing several school bus fleet operators for excessive bus idling. MassDEP has also developed “Best Management Practices for Reducing Diesel Pollution at Schools” for school departments and bus operators. Information about these programs can be obtained at <http://www.mass.gov/dep/air/community/sbusbmps.htm>.

The remainder of this report provides an explanation of the study methodology and the findings of the exposure pathway assessment and compliance evaluation. The following section provides background information to familiarize the reader with MassDEP’s regulations that apply to MCP sites.

## 2.0 THE MASSACHUSETTS CONTINGENCY PLAN

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This section describes the investigation, cleanup requirements and deadlines applicable to MCP sites evaluated by MassDEP in this study.

### 2.1 REGULATORY REQUIREMENTS

The regulations that govern the investigation and cleanup of chemical spills and contaminated property in Massachusetts are known as the Massachusetts Contingency Plan (the MCP; 310 CMR 40.0000). The MCP requires that a party investigating or cleaning up an oil and/or chemical spill or contaminated property (called “MCP sites” in this report) hire a **Licensed Site Professional (LSP)** to oversee and direct response actions and that this work be done in compliance with the MCP’s performance and cleanup standards. These parties are required to send in various reports to MassDEP by specific deadlines to prove that they have completed the job in a manner that is protective of public health. MassDEP **audits** a large number of submittals to verify that the work was done properly and issues violation notices and, when necessary, enforceable orders and penalties to parties who fail to submit investigation and cleanup reports to MassDEP on time, fail to do work properly or fail to conduct cleanups at all. In certain cases where the responsible parties are either unable or unwilling to take needed actions, MassDEP can intervene and draw money from the **state "Superfund"** to hire contractors to conduct investigations or perform cleanups.

The MCP describes the steps a person must take to notify MassDEP of a release of oil and/or hazardous materials and investigate and cleanup environmental contamination in a manner that is protective of public health and the environment. In addition, the MCP lists various types of reports that must be submitted to document that a site has been investigated properly, that certain investigation or cleanup end-points have been reached and that environmental tests prove that a cleanup meets the MCP’s requirements to achieve a condition of **no significant risk** to public health, welfare and the environment at the site. The regulations and background information about the MCP cleanup program can be found at <http://www.mass.gov/dep/cleanup/laws/regulati.htm>.

### 2.2 MCP PROGRESS REPORTS

The MCP provides numerous opportunities for parties to report on site investigation and cleanup progress. This information is communicated to MassDEP in a wide variety of reports, each required by specific MCP submittal deadlines.

Preliminary response actions and risk reduction measures are taken soon after contamination is discovered in response to time-critical conditions (releases that pose an unacceptable risk for a short period of time) and historical conditions that are not time-critical but still require cleanup, and may be implemented when necessary and appropriate at any time during a cleanup. Three types of Preliminary Response Actions reviewed during this study are **Immediate Response Actions (IRAs)**, **Release Abatement Measures (RAMs)**, and **Utility-related Abatement Measures (URAMs)**.

The MCP requires parties to conduct IRAs at all sites where a sudden release of oil and/or hazardous materials above an MCP **Reportable Quantity** occurs or where a time-critical release of oil or hazardous materials is discovered. Examples of sudden releases are fuel spills from truck saddle tanks and ruptured drums or chemical releases as the result of a fire. Time-critical releases include indoor air contamination or contamination of a private drinking water supply well caused by a chemical spill or underground fuel storage tank leak.

Once the immediate exposure problems caused by the IRA condition are controlled, additional response actions may be needed to find the source of the problem and define the nature and extent of the release in order to determine its impact on soil, groundwater and surface water (see “Tier Classification” and “Phase II/III Investigations” below). IRAs are generally approved by MassDEP and overseen by LSPs. MassDEP oversees and manages more complex IRA cases. IRA Plans are due within sixty (60) days of notification to MassDEP of time-critical releases. IRA Status Reports are due four (4) months after the IRA Plan is submitted and every six (6) months thereafter until the IRA is completed and an IRA Completion Statement is filed with the MassDEP.

At many sites, residual contamination is present in the soil and groundwater at levels that exceed a **Reportable Concentration** established in the MCP. Such conditions may result from historical releases of oil or hazardous materials. The MCP provides opportunities for parties to voluntarily clean up limited or localized releases and/or mitigate the impacts of larger releases until such time as more comprehensive response actions can be conducted. These voluntary cleanups are performed as RAMs under the supervision of a LSP, after submitting a written RAM Plan to MassDEP. RAM Status Reports are due four (4) months after the RAM Plan is submitted and every six (6) months thereafter until the RAM is completed and a RAM Completion Statement is filed with the MassDEP.

When underground utility (water, sewer, electric, etc.) repair or construction work encounters contaminated soil and/or groundwater, the MCP requires that a URAM Plan be submitted to MassDEP to ensure that the utility work will be conducted under the supervision of an LSP in order to protect the workers and ensure that contaminated media is properly handled. URAM Status Reports are due four (4) months after the URAM Plan is submitted and every six (6) months thereafter until the URAM is completed and an URAM Completion Statement is filed with the MassDEP.

Completion of Preliminary Response Actions often results in cleanup of the site in less than a year resulting in the submittal to MassDEP of a closure report (see “Response Action Outcome” below). If a site cannot be cleaned up within one year, the MCP has deadlines directing parties to submit progress reports to MassDEP to show that work is being conducted over time. The following progress reports are due to the MassDEP in the event that a **Potentially Responsible Party** (PRP) does not close out the site within one (1) year.

- A **Tier Classification** together with a **Phase I Initial Site Investigation Report** must be submitted within one (1) year of release notification (knowledge of contamination). More complicated sites are classified in the MCP as **Tier I** and a permit from MassDEP is needed in order for a person to conduct response actions. The permit review process allows MassDEP to check to make sure the work proposed is technically sound and likely to comply with the MCP’s performance standards. Less complicated sites are classified **Tier II**. A MassDEP permit is not needed for work to proceed at a Tier II site. MassDEP audits submittals for both Tier I and Tier II sites.
- Within two (2) years of the date of Tier Classification, a person doing a cleanup must submit a **Phase II - Comprehensive Site Assessment** and a **Phase III - Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives Report** to MassDEP. These reports provide a detailed description of the environmental problem at a site and identify the techniques that will be used to clean the problem up if a cleanup is shown to be necessary, respectively.

- Within three (3) years of the date of Tier Classification, a **Phase IV - Remedial Action Plan** must be submitted to MassDEP. Remedial Action Plans often describe the treatment system designed to remove contamination from soil or groundwater. A groundwater system typically involves recovery wells pumped to a treatment/filtration system. A soil treatment system extracts contamination in vapor form from soil for treatment. These systems may need to be operated for months or longer (sometimes for years) in order to effectively remove contamination from the environment. Sites with operating treatment systems are in **Phase V** or **Remedy Operation Status (ROS)**. System monitoring reports must be submitted to MassDEP until a condition of no significant risk has been achieved at which point a site closure report can be submitted.

## 2.3 SITE CLOSURE REPORT

When a cleanup is complete, a site closure report also known as a **Response Action Outcome (RAO)** must be submitted to MassDEP by an LSP. An RAO provides information about the investigation of a release and the scientific explanation that supports the conclusion that the release no longer poses a condition of significant risk to public health, safety, welfare or the environment. An RAO can be submitted as soon as a cleanup is completed (the sooner the better). Many cleanups done as IRAs for example finish the job quickly and result in RAOs. However, some cleanups may take years to investigate, understand and clean up due to their complexity.

In order to set limits on how long a cleanup can continue, the MCP contains deadlines by which an RAO and its various supporting documents must be submitted to MassDEP. The MCP allows up to six (6) years after release notification is made to MassDEP officials for an RAO to be submitted. It is important to note that, since 1993 when the MCP was revised to allow LSP oversight of response actions, over 20,000 releases of oil and/or hazardous materials have been cleaned up in Massachusetts with 60% of potentially responsible parties submitting an RAO to MassDEP within one year of release notification and 85% submitting an RAO within three years of release notification.

Cleanups that were completed prior to the 1993 MCP revisions may have one of the following designations, which are equivalent to an RAO:

- Licensed Site Professional No Further Action Statement (LSPNFA). This is applied to sites where an LSP Evaluation Opinion was submitted that states that either a reportable release did not occur or that response actions completed at the site have achieved a condition of No Significant Risk.
- MassDEP No Further Action Statement (DEPNFA). This is applied to sites at which MassDEP determined that cleanup was completed and had issued a No Further Action letter to the PRP.
- Not a Disposal Site (DEPNDS). This designation applies to locations where MassDEP determined that a reportable release had not occurred.
- Waiver Completion Statement Permanent Solution (WCSPRM). This status is assigned to sites where a permanent solution has been achieved under a MassDEP Waiver of Approvals.

### 3.0 EXPOSURE PATHWAY AND COMPLIANCE EVALUATION

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This section describes the exposure pathway and compliance evaluation objectives (Section 3.1) and the methodology developed to implement the evaluation (Section 3.2). A discussion of the exposure pathway and compliance evaluation findings is presented in Section 3.3.

#### 3.1 OBJECTIVE

The primary objective of this study was to ensure that MCP sites do not pose risk to children attending school or center-based daycare in Worcester. MassDEP reviewed the compliance status of all MCP sites located within 1000 feet of seventy-two (72) Worcester schools. MassDEP identified fifty-two (52) schools that had MCP sites located within a 1000-foot radius of the school (see *Table 1*). No MCP sites were identified near twenty (20) schools (see *Table 3*).

The Worcester Public Schools are divided into four quadrants: North, South, Doherty, and Burncoat. *Figure Two* shows the public and private schools within the North Quadrant; *Figure Three* the South Quadrant; *Figure Four* the Doherty Quadrant; and *Figure Five* the Burncoat Quadrant. Also shown are the 1,000-foot radii, and the locations of MCP disposal sites within those radii.

MassDEP similarly reviewed the compliance status of all MCP sites located within 1000 feet of forty-five (45) Worcester group child care facilities. MassDEP identified twenty-eight (28) group child care facilities that had MCP sites located within a 1000-foot radius (see *Table 2*). No MCP sites were identified near seventeen (17) group child care facilities (see *Table 3*). *Figure Six* shows the group child care facilities within the North Quadrant; *Figure Seven* the South Quadrant; *Figure Eight* the Doherty Quadrant; and *Figure Nine* the Burncoat Quadrant. Also shown are the 1,000-foot radii, and the locations of MCP disposal sites within those radii. Group child care facilities that are co-located with schools are mapped as schools.

MassDEP also evaluated businesses that are permitted to use large quantities of toxic substances or generate large quantities of hazardous waste in the same target areas. Based on a review of the Massachusetts Geographic Information System (MassGIS) database, there are thirty-three (33) facilities in the City of Worcester classified as **Major Facilities** by the MassDEP Bureau of Waste Prevention. These include Large Quantity Generators (LQGs) Hazardous Waste Recyclers (HWRs) and Large Quantity Toxics Users (LQTUs). MassDEP determined that eight (8) of these facilities are located within 1,000 feet of schools or daycare facilities. These eight Major Facilities and details regarding their regulatory status are listed in **Table Four**. *Figure Ten* shows the location of the Major Facilities located within 1000 feet of a school evaluated during this project.

#### 3.2 METHODOLOGY

As previously mentioned, the MCP sites were prioritized based on the exposure pathway evaluation – could chemicals released at a site pose risk to sensitive receptors? Highest priority was given to releases that involved contaminated groundwater that might impact indoor air in nearby schools or homes (see *Appendix B* for more information about this pathway) and sites where people might come into contact with contaminated surficial soil or could be exposed to fugitive dust blowing off-site.

The compliance evaluation was important because containing or removing the contamination associated with a release of oil and/or hazardous materials as quickly as possible reduces the time a sensitive receptor might be exposed to uncontrolled contamination. MassDEP checked to make sure cleanup reports and RAOs were being provided to MassDEP in accordance with MCP deadlines. MassDEP also reviewed the quality of ongoing and completed cleanups in the study area to ensure that the work was technically sound. In some cases, MassDEP reviewed Response Action Outcomes (RAOs) for releases reported in the 1980's that were cleaned up a number of years ago in order to verify that the work was done properly.

The compliance evaluation involved the following tasks:

- The compliance status (the progress of cleanups) for all MCP sites within 1000 feet of the schools was determined. If the response actions were lagging, a more detailed review occurred to determine if the delay was reasonable due to complicated site conditions or other reasons beyond the control of the PRP. MassDEP initiated enforcement actions when necessary to get parties back on track.
- The quality of cleanups was evaluated for those sites where response actions were not relatively simple and straightforward. The evaluation focused on releases of an unknown quantity of material and/or where significant soil and/or groundwater contamination had the potential to expose the community to oil and/or hazardous materials rather than simple, straightforward cleanups such as a spill of a known quantity of fuel to a paved surface. This evaluation assessed a wide variety of MCP response actions including time critical response actions (IRAs), voluntary response actions (RAMs), comprehensive response actions (Phase II – Phase V) and sites that have been closed out (sites with a RAO submittal).
- MassDEP reviewed records to identify Major Facilities in the study area to determine if a compliance inspection was warranted. MassDEP evaluated the nature of the facility and its proximity to a school, the types and quantities of oil and/or hazardous materials used, the past compliance history of the facility, the length of time the facility has been in operation, and if there were known releases at the facility.

### 3.3 FINDINGS

The goals of MassDEP's study were to ensure that school children, a particularly sensitive receptor group, are not exposed to chemicals released from MCP sites and that the parties responsible for cleaning up MCP sites are conducting response actions in accordance with the MCP's performance standards and progress report deadlines.

When violations were found during this evaluation, enforcement action was taken to bring the parties back into compliance. MassDEP was also prepared to conduct the response actions using its state contractors at any MCP site in noncompliance where MassDEP determined that: 1) site conditions posed a serious risk to the public and 2) the potentially responsible parties were unwilling or unable to conduct the work quickly. No such incidents of noncompliance were identified in the study area.

MassDEP identified a total of 303 locations where a release of oil or hazardous material had been reported to MassDEP in Worcester within 1000 feet of seventy-two (72) schools [Table 1] or within 1,000-feet of forty-five (45) group child care facilities [Table 2]. No releases were reported near twenty (20) schools and seventeen (17) group child care facilities [Table 3].



### **3.3.1 Exposure Pathway Evaluation Findings**

The exposure pathway evaluation considered the types of chemicals released at a site and whether or not the chemicals impacted soil, groundwater or air quality. MassDEP conducted field investigations at two (2) sites where releases of oil or hazardous materials had the potential to impact schools based on an evaluation of the following criteria:

- Proximity to a school: sites that are 500 feet or less from school building were prioritized;
- Types of oil or hazardous materials released: sites having volatile organic compounds in groundwater or metals/PCBs in surface soils;
- Groundwater flow direction: sites that are upgradient of a school building;
- Extent of contamination: sites where contamination extends off site toward a school, or where the extent in the direction of the school has not been determined; and
- The adequacy of assessment completed at a site to date.

MassDEP field investigations included the collection and analysis of groundwater samples from existing monitoring wells at two (2) sites that met one or more of the criteria listed above. Based on these analyses, MassDEP determined that these two sites are not impacting the indoor air quality at nearby schools.

The exposure pathway evaluation performed for the study areas revealed the following:

- No MCP sites were found to impact the drinking water provided to residents of Worcester. Worcester is served by a public water supply system with reservoirs outside the study area.
- No sites were found that pose a health risk to nearby residents or school children as a result of a direct contact hazard or airborne dust from surficial soil contamination.
- Three (3) releases resulted in the detection of hazardous materials in the indoor air at three (3) private schools that occupy former industrial facilities that are MCP sites. Immediate response actions conducted at these three sites, under close MassDEP scrutiny, have assured that the schools are safe for children.
- Heating oil releases have occurred at five (5) Worcester public school buildings, one (1) private school building, and one (1) group daycare facility. A release of gasoline occurred at one (1) Worcester public school. Each of these releases has been cleaned up and MassDEP review has determined that the response actions at these schools have been adequate.
- No other sites were found to have site conditions that could pose a health risk as a result of indoor air contamination caused by vapor migration from contaminated groundwater into nearby schools.

### 3.3.2 Compliance Evaluation Findings

#### 3.3.2.1 Petroleum Releases

Two-hundred and seventeen (217), or 72%, of the 303 MCP sites identified in the study areas involved the release of petroleum products to the environment. Petroleum products include gasoline, diesel fuel, home and heavy commercial grades of heating oil. Petroleum products also include cutting oils and mineral oil dielectric fluid used in electrical transformers. One-hundred and sixty-four (164), or 75% of the petroleum releases were related to leaking storage tanks. The remaining fifty-three (53) of the petroleum releases were related to sudden spills.

MassDEP prioritized the review of leaking storage tanks because long-term fuel storage tank leaks are more likely to result in sites with groundwater contamination and subsequently, potential indoor air quality impacts. Indoor air contamination may occur if **volatile organic compounds** (VOCs) migrate from contaminated groundwater flowing near or under a school building into the structure itself. (See Appendix B for more information regarding the indoor air quality.) The one-hundred and sixty-four (164) petroleum releases related to leaking storage tanks included:

- Ninety (90) sites involving leaking underground storage tanks (USTs);
- One (1) site involving a threat of sudden release from a UST;
- Two (2) sites involving leaking above ground storage tanks (ASTs);
- Forty-two (42) sites where **non-aqueous phase liquid** (NAPL) was detected; and
- Twenty-nine (29) sites involving residual petroleum contamination found in the subsurface soils and/or groundwater. Residual petroleum contamination is usually related to releases from historic petroleum storage tanks that were removed many years ago.

MassDEP audited each of the one hundred and sixty-four (164) storage tank related releases and found:

- Cleanup has been completed at one-hundred and thirty-four (134) sites;
- Downgradient Property Status Opinions were submitted for three (3) sites; and
- Response actions are ongoing at twenty-seven (27) sites. Of these sites:
  - Eight (8) have long-term remedial systems in operation and
  - Nineteen (19) are undergoing active investigation or remediation.

MassDEP's compliance evaluation of these one hundred and sixty-four (164) sites identified twelve (12) sites with violations ranging from late submittals to incomplete site investigations. Based upon information available and MassDEP experience, MassDEP determined that the violations did not result in a health risk to school children or nearby residents.

MassDEP identified fifty-three (53) locations where sudden petroleum releases occurred. These releases include spills from fuel transfer operations (e.g. overfills), transportation accidents, etc. Since these releases are sudden and the quantity of each release can be reasonably estimated, there is low likelihood for widespread impact to soil or groundwater. These sites are generally cleaned up quickly and effectively with little residual contamination remaining in the environment and therefore pose low potential for sensitive receptor exposure.

MassDEP's audit of the fifty-three (53) sudden petroleum releases found:

- Cleanup had been completed at forty-nine (49) releases;
- Two (2) have long-term remedial systems in operation; and
- Two (2) releases are undergoing active investigation or remediation.

MassDEP review determined that three (3) of the fifty-three (53) sudden petroleum releases were in non-compliance. MassDEP initiated enforcement actions at these three sites. None of these releases were found to pose a risk to the school children or nearby residents.

### 3.3.2.2 Hazardous Materials Releases

The remaining eighty-six (86) of the three-hundred and three (303) releases (28%) involve hazardous materials (industrial chemicals such as acids, solvents, metals, etc.). Eighty (80) of these releases resulted in subsurface soil or groundwater contamination that is indicative of long-term leaks from above or underground storage tanks and/or historical dumping. These types of releases usually pose a greater long-term exposure risk than a sudden release of a known quantity, such as a ruptured drum. MassDEP review of the eighty (80) releases found:

- Cleanup has been completed at fifty-one (51) sites; and
- Twenty-nine (29) sites are undergoing active investigation or remediation.

MassDEP audit of these sites found thirteen (13) locations to be in noncompliance. MassDEP initiated enforcement actions for each of these thirteen (13) locations. MassDEP determined that the violations did not result in a health risk to school children or nearby residents.

Three (3) releases of hazardous materials were related to sudden spills to the ground surface and three (3) were related to threats of release from abandoned drums. MassDEP review found that clean up has been completed at all six (6) of these locations.

### 3.3.2.3 Major Facilities

Based on a review of the MassGIS database, there are 33 facilities in the City of Worcester classified as Major Facilities by the MassDEP Bureau of Waste Prevention. These include Large Quantity Generators (LQGs) Hazardous Waste Recyclers (HWRs) and Large Quantity Toxics Users (LQTUs). The Major Facilities in the City of Worcester are shown in *Figure Ten*. The BWSC determined that eight of these facilities are located within 1,000 feet of schools or daycare facilities. These eight Major Facilities are listed in **Table Four**.

As shown in **Table Four**, five of these Major Facilities are tracked by the MassDEP as MCP disposal sites. These five sites have been included in the evaluation discussed in preceding Sections of this report. One of these disposal sites was found to be in noncompliance with the MCP. MassDEP has initiated enforcement actions for this disposal site.

The three Major Facilities that are not known disposal sites are not anticipated by BWSC to pose a significant risk to schools based on a review of BWP files.

### **3.3.3 MassDEP Enforcement Actions**

MassDEP regularly tracks potentially responsible parties' compliance with submittal deadlines and "triages" the quality of report submittals, particularly those related to IRAs, Tier Classification, Phase V/ROS and RAO. In addition, through both systematic and random selection processes, MassDEP conducts comprehensive technical audits and compliance reviews of the a large number of Response Action Outcomes (RAOs) each year to ensure that response actions were done properly and that public health and the environment was protected.

As a result of this project, MassDEP initiated enforcement actions at twenty-four (24) of the three-hundred and three (303) MCP sites (8%) where noncompliance was identified.

- One (1) Interim Deadline letter was issued due to missed submittal deadlines;
- Eleven (11) Notices of Noncompliance (NONs) were issued due to missed submittal deadlines;
- One NON has been issued and two (2) NONs will be issued to invalidate the RAOs at two sites;
- Three (3) Administrative Consent Orders with Penalties (ACOPs) were issued due to failure to conduct response actions in a timely manner;
- Five (5) Administrative Consent Orders (ACOs) were issued due to missed submittal deadlines;
- One (1) Penalty Assessment Notice (PAN) was issued due to missed submittal deadlines and noncompliance with an NON.

Although noncompliance was found in these cases, conditions at these sites did not indicate that school children or nearby residents are at risk.

It should be noted that two-hundred and forty-five (245) of the three-hundred and three (303) sites (81%) reviewed were found to be in compliance. Site inspections and audits recommended as a result of this project are pending for the remaining thirty-four (34) sites.

MassDEP's routine auditing and compliance evaluation processes, as well as targeted compliance evaluations like this study, help ensure that the cleanups being conducted by the private sector are protective of public health and the environment and that the small percentage of parties missing MCP deadlines or not conducting work properly return to compliance.

## 4.0 CONCLUSIONS

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MassDEP conducted a targeted exposure potential and compliance evaluation of MCP sites and facilities that generate hazardous waste in the City of Worcester to determine if they have the potential to adversely impact the health, safety and welfare of school children, a particularly sensitive receptor group. MassDEP evaluated all response actions conducted at MCP sites located within 1000 feet of Worcester schools. The MCP sites in the study area were prioritized based on the likelihood that soil or groundwater contamination might pose risk to children. Highest priority was given to releases that could impact indoor air in nearby schools or homes and sites where children might come into contact with contaminated surficial soil or could be exposed to fugitive dust blowing off-site.

The exposure pathway and compliance evaluations determined that school children and residents within the study areas are not exposed to oil and/or hazardous materials from MCP sites or major facilities that generate hazardous waste. The compliance evaluation also found that the majority of potentially responsible parties were conducting response actions in accordance with the MCP's performance standards and progress report deadlines.

Although MassDEP found twenty-four (24) MCP sites in noncompliance with the Massachusetts Contingency Plan, based upon available information, MassDEP found that there were no documented instances where noncompliance has resulted in school children, residents, workers, and visitors being exposed to oil and/or hazardous materials from these sites. Further, when violations were found during this evaluation, enforcement action was taken by MassDEP to bring the parties back into compliance.

MassDEP is committed to ensure the protection of the Commonwealth's public health, welfare, safety and environment. MassDEP will continue to audit response actions at MCP sites and take enforcement actions when necessary to ensure that contamination is cleaned up properly and on time in Worcester and across Massachusetts.

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The findings and conclusions stated in this report are based upon information available to MassDEP at the time this report was prepared. MassDEP's statements do not represent MassDEP regulatory approval under the Massachusetts Contingency Plan (the MCP; 310 CMR 40.0000) of response actions conducted at any site, property or location listed in this report. MassDEP reserves the right to require response actions under the MCP at any property or location listed in this report should information become available that indicates such response actions are warranted. MassDEP also reserves the right to initiate appropriate enforcement actions to achieve compliance with the MCP should such actions be found to be necessary.

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## APPENDIX A – DEFINITIONS

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*This section contains the definition for terms used in this report that readers may not be familiar with. A comprehensive overview of the Massachusetts Contingency Plan, 310 CMR 40.0000, and Department and Bureau of Waste Site Cleanup operations can be obtained at MassDEP's web page - <http://www.mass.gov/dep/cleanup/roadmap.htm>.*

**Audits:** Sites that are not actively overseen by MassDEP are subject to audit by the agency. In general, MassDEP may conduct a *random audit* of a Response Action Outcome statement within 2 years of filing, or, where evidence exists indicating a potential problem with a site or filing, a *targeted audit* of a Response Action Outcome statement within 5 years of filing. Unless and until a site/submittal is audited by the agency and found to be in noncompliance, the opinions/findings of the Licensed Site Professional are considered to be valid and complete.

**Contaminated media** – This term includes contaminated groundwater, sediments, soil and/or surface water.

**Contamination** – This “catchall” term includes materials regulated by the MCP (oil, hazardous materials and hazardous waste). The study **DID NOT** review the impact of other potential environmental contaminants such as lead and/or copper in drinking water, asbestos and laboratory chemicals. Other programs address these items and information about the State’s Healthy Schools program can be found at the following web sites:  
[http://www.mphaweb.org/pol\\_schools\\_healthyschools.html](http://www.mphaweb.org/pol_schools_healthyschools.html) and  
<http://www.mass.gov/dph/behav/iaq/schools/schools.htm>.

**Downgradient Property Status (DPS)** – MassDEP recognizes that people whose property has been affected by contamination from an upgradient or upstream source may not be able to meet the requirements of the MCP because they do not control the source of contamination. Downgradient Property Status provisions allow people in this circumstance to provide MassDEP with information showing that contamination on their property is coming from an upgradient property. Once this information (called a "Downgradient Property Status Submittal") is filed in accordance with the MCP, the Downgradient Property Status becomes effective and MassDEP suspends the deadlines for certain submittals and fees.

**Environmental Justice (EJ)** - The EJ Policy, developed by the Massachusetts Executive Office of Environmental Affairs, directs state resources to serve the high minority, non-English speaking and low-income neighborhoods across the state. These resources ensure that EJ populations have a strong voice in environmental decision-making, receive the full protection afforded them through existing environmental rules and regulations, and increase access to investments that enhance quality of life in these communities by restoring degraded natural resources, enhancing open space and building the urban park network. Environmental justice is based on the principle that all people have a right to be protected from environmental pollution and to live in and enjoy a clean and healthful environment. Environmental justice is the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits. Maps showing EJ areas in Massachusetts can be found at <http://www.mass.gov/mgis/ej.htm>.

**Exposure Pathway** – The mechanism by which human or environmental receptors inhale, consume, absorb, or otherwise take in oil and/or hazardous material at an **exposure point**.

**Exposure Point** – A location of potential contact between a human or environmental receptor and a release of oil and/or hazardous material. An exposure point may describe an area or zone of potential exposure, as well as a discrete point.

**Group Child Care** - Center-based care for infants, toddlers, or preschoolers licensed by the Massachusetts Office of Child Care Services (OCCS). Part time centers include nursery schools, private kindergartens and Head Start programs.

**Hazardous Waste Generators** – The study reviewed the compliance status of businesses and facilities that generate, store, treat, or dispose of hazardous waste. Information about MassDEP's Hazardous Waste program can be found at <http://www.mass.gov/dep/bwp/dhm/dhmpubs.htm>

**Immediate Response Action (IRA)**- An IRA is an early risk reduction measure required to be conducted at any site when certain time-critical conditions are present, such as a sudden spill or the a potential imminent hazard.

**Licensed Site Professionals (LSP)** – LSPs are professionals with considerable experience in the field of MCP site assessment and cleanup, including removal actions. An LSP issues "Waste Site Cleanup Activity Opinions" describing whether contamination is present at a site, what work is needed to clean up any contamination found, and whether that work has been completed in accordance with the MCP. These opinions are based on field assessment, sampling, and careful study of a site. The Licensed Site Professional Board of Registration is independent of MassDEP. The Board determines whether a person applying for an LSP license meets the licensing qualifications, administers a licensing exam, issues licenses, ensures that LSPs meet requirements for continuing education, and disciplines individuals who do not uphold professional standards. MassDEP audits LSP Opinions to ensure that the work conducted which led to the Opinion complies with environmental laws and regulations. More information is available by contacting the LSP Board at (617) 556-1091 or visiting its website at <http://www.mass.gov/lsp>. Most LSPs are also members of the LSP Association. Visit its website at <http://www.lspa.org/>.

**Major Facilities** – Facilities regulated by the MassDEP Bureau of Waste Prevention that are designated as one or more of the following: Large Quantity Generator of Hazardous Waste; Large Quantity Toxics Users; Hazardous Waste Recyclers; Hazardous Waste Treatment, Storage and Disposal Facilities; Facilities with Air Operating Permits; Facilities with Type II Groundwater Discharge Permits; and Facilities with Type II Surface Water Discharge Permits.

**Massachusetts Contingency Plan (MCP)** – The Bureau of Waste Site Cleanup (BWSC) is responsible for implementing the MCP, 310 CMR 40.0000. The MCP contains the regulations for the notification, assessment and cleanup of releases to the environment of oil and/or hazardous materials. The regulations are codified in M.G.L. Chapter 21E (c.21E), the Massachusetts Oil and Hazardous Materials Release, Prevention and Response Act (the Statute). The Bureau of Waste Site Cleanup (BWSC) is responsible for implementing the MCP. The regulations and background information about the MCP cleanup program can be found at: <http://www.mass.gov/dep/cleanup/laws/regulati.htm>.

**MCP site** – This is a location where a release (e.g., leak, spill or discharge) of oil and/or hazardous materials has occurred in a quantity or at a concentration in soil or groundwater that requires reporting to MassDEP.

**Non-aqueous phase liquid** – Oil and/or hazardous material that are present in the environment as a continuous separate phase as measured in a monitoring well or otherwise observed in the environment.

**No Significant Risk** – This is the standard used for determining when a cleanup is complete. A risk assessment is used to characterize the risk associated with an MCP site and determine if a condition of No Significant Risk to human health, safety, public welfare and the environment exists at the site or has been achieved after an environmental cleanup has been completed. Once this condition is achieved, response actions are finished and a Response Action Outcome (RAO) can be filed.

**Phase II Comprehensive Site Assessment Report (Phase II)** - A Phase II is a comprehensive site evaluation of the nature and extent of the contamination at the site. The Phase II also evaluates the magnitude of the risk posed by the contamination at the site.

**Phase III Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives Report (Phase III)** - A Phase III presents the evaluation of feasible clean up options if a Phase II concludes that a cleanup is necessary.

**Phase IV Report Remedial Action Plan (Phase IV)**- The Phase IV report contains the detailed design and construction plans for remedial systems and a schedule for the cleanup work.

**Potentially Responsible Party** - A person who is potentially liable for a release of oil and/or hazardous material and is required to conduct response actions.

**Release Abatement Measure (RAM)** – A type of remedial action that is taken voluntarily by PRPs to clean up limited or localized releases and/or to mitigate the impacts of larger releases until such time as more comprehensive response actions can be conducted.

**Release Tracking Number (RTN)** – When a release of oil and/or hazardous materials is reported to MassDEP, a tracking number is assigned through BWSC's response action tracking database. The public can access basic information about the status of any site in the database at: <http://www.mass.gov/dep/cleanup/sites/report.htm>.

**Reportable Concentration (RC)** – The concentration of oil or hazardous material in soil or groundwater that requires notification to the Department.

**Reportable Quantity** - The quantity of oil or hazardous materials, the release of which or threat of release of which requires notification to the MassDEP.

**Response Action Outcome (RAO)** - Also referred to as a closure report in this document, an RAO constitutes the final document submitted for a site. The RAO contains all information that has been collected during the cleanup and documents, according to a professional opinion prepared by an LSP, that the site has been cleaned up to a condition of No Significant Risk.

**School** - Schools included in the study were identified as public and private, primary and secondary schools as identified by the Massachusetts Department of Education.

**State "Superfund"** - At any point in the process, if the party potentially responsible for the assessment and cleanup of a contaminated site is either unable or unwilling to take needed actions, MassDEP can draw money from the state "superfund" to hire contractors to start and/or finish the job. MassDEP also has state contractors on standby 24 hours a day to respond to



emergency and spill conditions, if necessary. If the state expends funds for such cleanups, MassDEP may recover up to 3 times its expenses from potentially responsible parties - a strong incentive for those parties that are financially capable to undertake the work themselves.

**Tier Classification** – Sites that are not cleaned up within one year after being reported to MassDEP are scored by the person conducting response actions using the MCP's numerical site ranking system and classified as Tier I or Tier II (see below). The date of Tier Classification starts the compliance "clock" running for submittal of Phase reports and a Response Action Outcome.

**Tier I Site** – If a site is classified as Tier I, a permit must be obtained from MassDEP before additional site investigation and cleanup can proceed. Tier I sites are further divided into three categories based on the complexity of the site.

**Tier II Site** – If a site is classified as Tier II, a permit does not need to be obtained from MassDEP additional site investigation and cleanup can proceed.

**Utility-related Abatement Measure (URAM)** – A URAM is conducted in response to contamination discovered during the installation, repair, replacement or decommissioning of underground utilities such as sanitary sewerage, water, or drainage systems, steam lines and natural gas pipelines.

**Volatile Organic Compounds (VOCs)** – VOCs are organic compounds with a boiling point less than 200 degrees Celsius. A wide array of VOCs are contained in and emitted by products used in home, office, school, and arts/crafts and hobby activities. These products, which number in the thousands, include:

- personal items such as scents and hair sprays;
- household products such as finishes, rug and oven cleaners, paints and lacquers (and their thinners), paint strippers, pesticides (see below);
- dry-cleaning fluids;
- building materials and home furnishings;
- office equipment such as some copiers and printers;
- office products such as correction fluids and carbonless copy paper;
- graphics and craft materials including glues and adhesives, permanent markers, and photographic solutions.

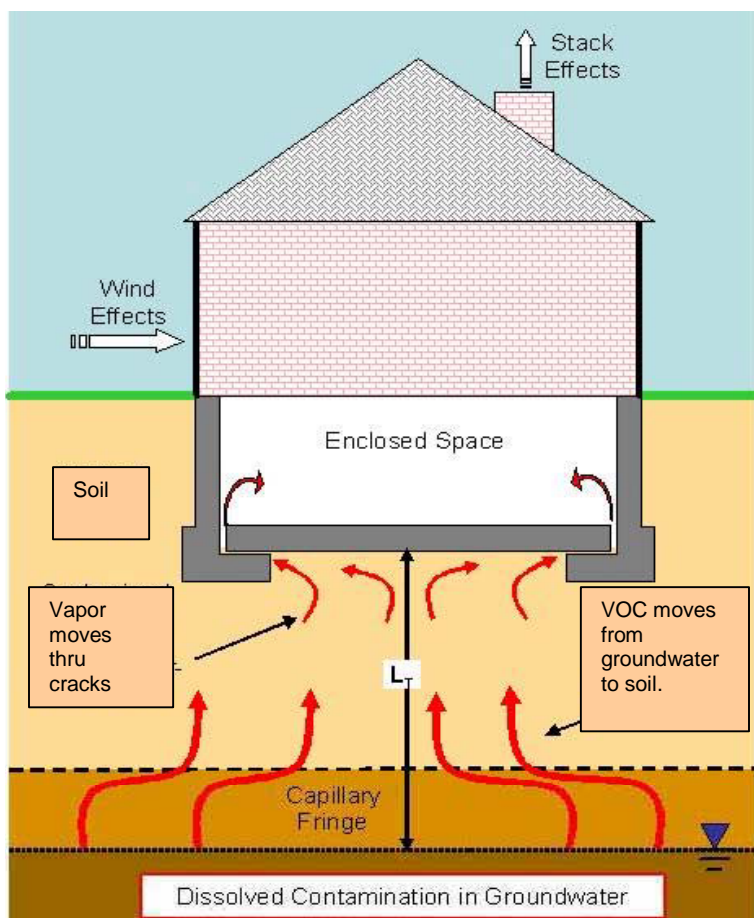
## APPENDIX B - INDOOR AIR EXPOSURE PATHWAY

What leads to indoor air impacts? Under the right conditions, certain **volatile organic compounds (VOCs)** can evaporate from groundwater and migrate upwards through soil. When this type of vapor migration happens in an undeveloped area, the vapor disperses into the ambient air. However, in certain circumstances, if there is a building in the way, vapors can enter the building and impact indoor air quality.

Chemicals of concern: Only certain chemicals are a concern. Metals like lead or chromium do not cause indoor air vapors problems. Chlorinated VOCs (e.g., dry cleaning chemicals like PCE or cleaning solvents like TCEC) are more of a problem than non-chlorinated VOCs (e.g., petroleum products). The non-chlorinated VOCs in petroleum don't typically migrate in groundwater more than a few hundred feet from the point they are released (e.g., from an underground storage tank leak) and they can rapidly biodegrade in soil beneath a building, essentially removing them from the soil. Chlorinated VOC contamination in groundwater can travel hundreds of feet and does not biodegrade quickly, allowing a wide area to be impacted with persistent levels of contamination that have a higher potential to migrate upwards into buildings. A wide array of VOCs are contained in and emitted by products used in home, office, school, and arts/crafts and hobby activities. These products, which number in the thousands, include:

- personal items such as scents and hair sprays;
- household products such as finishes, rug and oven cleaners, paints and lacquers (and their thinners), paint strippers, pesticides (see below);
- dry-cleaning fluids;
- building materials and home furnishings;
- office equipment such as some copiers and printers;
- office products such as correction fluids and carbonless copy paper;
- graphics and craft materials including glues and adhesives, permanent markers, and photographic solutions.

At room temperature, VOCs are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals (e.g., formaldehyde, benzene, perchloroethylene), some of which may have short- and long-term effects. Concentrations of many VOCs are consistently higher indoors than outdoors. A study by the U.S. Environmental Protection Agency, covering six communities in various parts of the United States, found indoor levels up to ten times higher than those outdoors -- even in locations with significant outdoor air pollution sources, such as petrochemical plants.



How do vapors get into buildings? Vapor migration to a building is more likely to happen if the building is "under-pressurized". There are a number of factors that cause under-pressurization:

- temperature differences between indoor air and the surrounding soils;
- wind and barometric pressure changes;
- "stack effects" of chimneys and flues;
- the operation of exhaust fans/vents; and
- negative pressures created by operation and venting of gas and oil furnaces.

During winter months, a frost layer, frozen ground or snow cover tends to increase the chance of vapor migration to buildings by temporarily preventing vapors from escaping through the exposed ground surface. This is also the time of year when heating boilers are in operation and windows remain closed.

Vapors from contaminated groundwater or soil can migrate into buildings through cracks in masonry foundations. Of particular concern are the small perimeter cracks that generally develop in poured concrete foundations at the intersection of the footing/wall/slab. Other problem areas are the annular spaces around utility pipes, holes in slabs for sump pumps and French drains or crawl spaces with dirt floors.

Testing: Testing for indoor air vapor problems is relatively easy. First, groundwater and soil near and under a building can be tested to see if chemicals that volatilize are present at concentrations that might impact indoor air quality. Soil gas samples just beneath a concrete slab can be tested since vapors tend to accumulate in void spaces. Finally, indoor air quality samples can be collected and analyzed for very low chemical concentrations (e.g. parts per billion).

Eliminating indoor air quality problems: In the short term, steps can be taken to prevent vapors from entering a building. Cracks in foundation floors and joints can be sealed with grout and/or latex caulking. Drainage sumps and crawl spaces can be covered, sealed and externally vented. Adjustments can be made to HVAC systems that allow for fresh/outside air to be used for combustion air in order to prevent depressurization problems. If these measures are not successful, a sub-slab depressurization and venting system can be installed to collect vapors under a foundation and treat them, if necessary, before they are vented to the atmosphere. The long term and preferred permanent solution is to eliminate the source of the chemicals that is impacting groundwater and soil and, if necessary, treat contaminated groundwater that has migrated from the source area that is found to be causing indoor air quality problems.

## **FIGURES AND TABLES**

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# TABLE 1

## Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools<sup>1</sup>

*Alphabetical By School Name*

<b>Abbey Kelley Foster Regional Charter School, 10 New Bond Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000182	NORTON CO	1 NEW BOND ST	Brick oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0010302	NO LOCATION AID	1 NEW BOND ST	Sudden release of 40 gallons of oil from pipeline	RAO	DEP review determined cleanup was completed.	NO
2-0010521	CINCINNATI MILACRON	10 NEW BOND ST	No 6 fuel oil release from concrete bunker to groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0010644	CINCINNATI MILACRON	10 NEW BOND ST	Petroleum hydrocarbons detected in soil and groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0010958	CINCINNATI MILACRON MW5 AREA 2	10 NEW BOND ST	Subsurface waste oil NAPL detected	RTN linked to 2-10644	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0010959	CINCINNATI MILACRON MW11 AREA 5	10 NEW BOND ST	Subsurface fuel oil NAPL detected	RTN linked to 2-10644	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0011239	BUILDING 108	1 NEW BOND ST	Sudden release of 7 gallons sodium hydroxide	RAO	DEP audit determined cleanup is adequate.	NO
2-0011717	NORTON CO	1 NEW BOND ST	No 6 oil release to building	RAO	DEP audit determined cleanup is adequate.	NO

### **Key to terms used in this table:**

RTN: a "Release Tracking Number" is assigned to releases reported to DEP for tracking purposes.

UST: underground storage tank

NAPL: non-aqueous phase liquid.

Status: This column lists the MCP status for each site. See Section 2 for the definitions for each status type.

(1) Only schools with MCP Sites within 1000 feet are included in this table. Some RTNs appear more than once since the 1000-foot radii for some schools overlap. Some properties have more than one RTN indicating more than one release has been reported on the property. Multiple RTNs for one property are "linked" together under one property address.

**Abbey Kelley Foster Regional Charter School, 10 New Bond Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011962	MILL 7	1 NEW BOND ST	Sudden release of 40 gallons of oil from pipeline	RAO	DEP review determined cleanup was completed.	NO
2-0012874	NORTON CO N OF BLD 519	1 NEW BOND ST	Sudden release of 10 gallons of non-PCB transformer oil	RAO	DEP audit determined cleanup is adequate.	NO
2-0013246	NORTON CO THE	1 NEW BOND ST	Sudden release of 20 gallons of oil to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0013467	NORTON CO BLDG 117	1 NEW BOND ST	Petroleum hydrocarbons detected in groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0013860	NORTON CO	1 NEW BOND ST	Sudden release of 30 gallons oil to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014258	FMR NAVY BLDGS	1 NEW BOND ST	PCBs detected in soil and concrete	RAO	DEP review determined cleanup was completed.	NO
2-0015138	FORMER CINCINNATI MILACRON	10 NEW BOND ST	Subsurface NAPL oil detected	TIERII	DEP review determined response actions are progressing properly	NO
2-0015313	CHARTER SCHOOL	10 NEW BOND ST	Chlorinated solvents detected in indoor air at school	Unclassified	DEP review determined response actions are progressing properly. DEP is closely monitoring response actions.	NO

**Accelerated Learning Lab, 15 Claremont Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014901	MAILLOUX RESIDENCE	106 WOODLAND ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined cleanup was completed.	NO

**Belmont Street Community School, 170 Belmont Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010047	MEDICAL CTR OF CTL MA W OF HOPPER ST	119 BELMONT ST	No 2 fuel oil release from UST, subsurface NAPL.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010321	RESIDENCE	99 STANTON STREET 8 EVERARD	Imminent hazard due to sudden release of PCB-containing transformer oil	RAO	DEP audit determined cleanup is adequate.	NO
2-0010956	BELMONT STREET SCHOOL	170 BELMONT ST	Sudden release of 20 gallons of No 2 fuel oil during UST removal	RAO	DEP audit determined cleanup is adequate.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

<b>Burncoat Middle School, 135 Burncoat Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011807	BURNCOAT MIDDLE SCHOOL	135 BURNCOAT ST	Release of No 4 fuel oil to basement sump	RAO	DEP review determined NAPL was limited to sump area. Indoor air impacts were assessed and none found.	NO
2-0011909	BURNCOAT MIDDLE SCHOOL	135 BURNCOAT ST	Sudden release of No 4 fuel oil from UST	RTN linked to 2-11807	DEP review determined that this RTN was addressed under the parent RTN	NO
<b>Burncoat Senior High School, 179 Burncoat Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011807	BURNCOAT MIDDLE SCH	135 BURNCOAT ST	Release of No 4 fuel oil to basement sump	RAO	DEP review determined NAPL was limited to sump area. Indoor air impacts were assessed and none found.	NO
2-0011909	BURNCOAT MIDDLE SCH	135 BURNCOAT ST	Sudden release of No 4 fuel oil from UST	RTN linked to 2-11807	DEP review determined that this RTN was addressed under the parent RTN	NO
<b>Burncoat Street School, 526 Burncoat Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000933	BOBS SUMMIT AUTO	882 WEST BOYLSTON ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010832	INT WITH W MOUNTAIN ST	70 PULLMAN ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0012484	WM REISNER CORP	70 PULLMAN ST	Arsenic detected in soil at levels greater than the reportable concentration	RTN linked to 2-10832	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0013834	PETERSON STEEL CORP	61 WEST MOUNTAIN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**Burncoat Street School, 526 Burncoat Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014167	DOUBLE G REALTY TRUST	853 WEST BOYLSTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Canterbury Street School, 129 Canterbury Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000812	WRIGHT MACHINE CORP	69 ARMORY ST	Chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0001069	GRAND INDUSTRIAL PARK	93-95 GRAND ST	Metals, chlorinated solvents and oil detected in soil and groundwater at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO
2-0011753	3 SONS TRUCKING BLDG	65 ARMORY ST	Sudden release of fuel oil to basement and sump	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO
2-0013360	SWIP PARCEL 9A	25 SOUTHGATE ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	TIER1D	DEP audit determined that this site is now owned by the City and is undergoing brownfields redevelopment and cleanup.	NO
2-0013708	FROST ASSOC INC	35 ARMORY ST	Petroleum hydrocarbons, lead and arsenic detected in soil at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0015572	FROST ASSOCIATES, INC.	35 ARMORY ST	PCBs detected in soil at concentrations greater than reportable concentration	Unclassified	DEP review determined response actions are progressing properly	NO



**Chandler Elementary Community School, 114 Chandler Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000783	WORCESTER CITY HOSPITAL	26 QUEEN ST	Leaking No. 6 oil UST	TIER1D	DEP executed an ACO for noncompliance. Response actions are now ongoing in compliance with the ACO.	NO
2-0012529	UNIVERSITY OF MASS MED CENTER	26 QUEEN ST	Surface spill of 1000 gallons of No 6 fuel oil due to overfill	RAO	DEP review determined cleanup was completed.	NO
2-0012589	WORCESTER CITY CAMPUS	26 QUEEN ST	No 6 fuel oil UST failed tightness test	RAO	DEP review determined leak was contained by outer wall of UST and no release occurred.	NO
2-0013731	WORCESTER GENERAL REPAIR INC	43 CHANDLER ST	Subsurface NAPL from leaking oil UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0013932	UMASS MEMORIAL REALTY	26 QUEEN ST	Arsenic in soil at concentrations that could pose an imminent hazard	TIERII	DEP review determined response actions are progressing properly	NO
2-0013933	WORCESTER GENERAL REPAIR	43 CHANDLER ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0014168	SAGARIAN SR PROPERTY	43 CHANDLER ST	Subsurface fuel oil NAPL detected	DPS	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**Chandler Magnet School, 525 Chandler Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013145	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 18 gallons of oil to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014672	WORCESTER STATE COLLEGE	486 CHANDLER ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015034	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 10 gallons of diesel fuel	RAO	DEP review determined cleanup was completed.	NO
2-0015506	WORCESTER STATE COLLEGE	486 CHANDLER ST	Arsenic and beryllium detected in soil at levels greater than reportable concentrations	Unclassified	DEP review determined response actions are progressing properly	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**City View School, 80 Prospect Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000866	USPS WORCESTER	4 EAST CENTRAL ST	Oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011523	EDWARD BUICK	72 SHREWSBURY ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011744	WORCESTER POST OFFICE	4 EAST CENTRAL ST	Sudden release of 40 gallons of roofing adhesive	RAO	DEP review determined cleanup was completed.	NO
2-0011939	GMC TRUCK	72 SHREWSBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0013233	USPS WORCESTER	4 EAST CENTRAL ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0015144	PUB 99 RESTAURANT & PUB INC	11 EAST CENTRAL ST	Arsenic in soil at concentration greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Clark Street Community School, 280 Clark Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000630	SPRAGUE ELECTRIC CO	115 NORTHEAST CUTOFF	Petroleum hydrocarbons detected in soil and groundwater, plasticizers in groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0015120	ALLEGRO MICROSYSTEMS INC	115 NORTHEAST CUTOFF	Sudden release of 20 gallons of hydraulic oil	RAO	DEP review determined cleanup was completed.	NO

**Elm Park Community School, 23 North Ashland Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0001019	TEXACO STATION	77 HIGHLAND ST	Leaking gasoline UST.	RAO	DEP review determined cleanup was completed.	NO
2-0011629	TEXACO STA	77 HIGHLAND ST	Subsurface gasoline NAPL detected	RTN linked to 2-1019	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0012344	GETTY PROPERTIES CO	77 HIGHLAND ST	Subsurface gasoline NAPL detected	RTN linked to 2-1019	DEP review determined that this RTN was addressed under the parent RTN	NO

**Elm Park Community School, 23 North Ashland Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013748	HONEY FARMS INC	101 HIGHLAND ST	Petroleum hydrocarbons and lead detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0013781	HIGHLAND ASHLAND	101 HIGHLAND ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RTN linked to 2-13748	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0015487	HONEY FARMS	101 HIGHLAND ST	Gasoline release from leaking UST	Unclassified	DEP review determined response actions are progressing properly	NO
2-0015499	DYNAMY INC	110 HIGHLAND ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	Unclassified	DEP review determined response actions are progressing properly	NO

**First Assembly Christ Academy, 30 Tyler Prentice Road**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010011	ST JOAN OF ARC CHURCH	570 LINCOLN ST	Heating oil release from UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0000274	FMR SHELL STATION	551 LINCOLN ST	Gasoline release from leaking UST	RAO	DEP issued a notice of noncompliance. Site has returned to compliance and cleanup is adequate.	NO

**Forest Grove Middle School, 495 Grove Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000590	TOWNSEND, INC.	456 GROVE ST	Petroleum hydrocarbons detected in soil and groundwater at concentrations greater than reportable concentration	DEPNFA	DEP review determined that cleanup was complete. DEP found and corrected database errors.	NO

**Francis J. McGrath Elementary School, 493 Grove Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000590	TOWNSEND, INC.	456 GROVE ST	Petroleum hydrocarbons detected in soil and groundwater at concentrations greater than reportable concentration	DEPNFA	DEP review determined that cleanup was complete. DEP found and corrected database errors.	NO
2-0010990	WORCESTER ATHLETIC CLUB	440 GROVE ST	Petroleum hydrocarbons detected in soil and groundwater at concentrations greater than reportable concentration	DPS	DEP review determined that the DPS submittal was adequate.	NO

**G. Stanley Hall School/The Bridge of Central MA, 4 Mann Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000429	NEW YORK TWIST DRILL	10 MANN ST	Chlorinated solvents detected in groundwater, fuel oil and cutting oil releases to soil	ROS	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0010115	NEW YORK TWIST DRILL	10 MANN ST	Subsurface cutting oil NAPL	RTN linked to 2-0429	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0015575	THE BRIDGE OF CENTRAL MASS	10 MANN ST	Volatile organic compounds detected in indoor air at a school	Retracted, not a release	DEP required indoor air sampling and determined that compounds are from building materials. A reportable release did not occur. No imminent hazard is present.	NO

**Gates Lane School, 1238 Main Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000977	BRITE CLEANERS	1256 MAIN ST	Chlorinated solvents released to groundwater at dry cleaning facility.	RAO	DEP recommended subsurface investigation to confirm the site conditions upon which the RAO was based.	NO
2-0000978	1275 MAIN ST PROPERTY	1275 MAIN ST	Oil release from leaking UST	ROS	DEP review determined response actions are progressing properly	NO
2-0001023	TEXACO STATION	54 STAFFORD ST	Waste oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**Gates Lane School, 1238 Main Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010284	GETTY OIL	54 STAFFORD ST	Sudden release of 20 gallons gasoline.	RAO	DEP review determined cleanup was completed.	NO
2-0010792	NO LOCATION AID	1227 1241 MAIN ST	Leaking gasoline UST.	RAO	DEP review determined cleanup was completed.	NO
2-0010973	MILLBROOK FACILITY	1475 MAIN ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0011037	GETTY STATION	54 STAFFORD ST	Subsurface gasoline NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0011335	GETTY STATION	54 STAFFORD ST	Petroleum hydrocarbons detected in groundwater at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0011876	GAS STA FMR	1233 MAIN ST	Subsurface gasoline NAPL detected	ROS	DEP review determined response actions are progressing properly	NO
2-0012217	NORTH OF WEBSTER PLAZA	1227 MAIN ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012806	TEXACO FMR	1275 MAIN ST	Subsurface gasoline NAPL detected	RTN linked to 2-0978	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014196	GATES LANE SCHOOL	1238 MAIN ST	Sudden release of 50 gallons of heating oil to basement	RAO	DEP audit determined cleanup is adequate.	NO
2-0014539	HANDY PAD SUPPLY INC	67 91 STAFFORD ST	Lead detected in groundwater	RAO	DEP initiated enforcement for inadequate assessment	NO
2-0014612	HANDYPAD SUPPLY INC	67 91 STAFFORD ST	Petroleum hydrocarbons, lead and arsenic detected in soil and groundwater at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for inadequate assessment.	NO

**Goddard School of Science and Technology, 14 Richards Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010490	ATAMIAN MOTORS FMR	1013 MAIN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined arsenic is equivalent to background. A voluntary AUL was applied.	NO

**Grafton Street School, 311 Grafton Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000686	MOBIL STATION 01 EMB	334 GRAFTON ST	Leaking gasoline UST.	RAO	DEP audit determined that cleanup is progressing properly. DEP initiated enforcement for failure to submit tier II extension. DEP corrected database errors.	NO
2-0000879	EL DAUPHINAIS INC	263 GRAFTON ST	Release of gasoline to soil and groundwater	ROS	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0000957	PUBLIC OIL	207 GRAFTON ST	Gasoline release from leaking UST	TIERII	DEP review determined response actions are progressing properly	NO
2-0010450	AIELLO FAMILY TRUST	216 GRAFTON ST	No 4 fuel oil released from UST	RAO	DEP audit determined that cleanup was adequate. DEP initiated a level 2 audit to assure the AUL is adequately protective.	NO
2-0010581	AIELLO TRUST PROPERTY	216 GRAFTON ST	Petroleum hydrocarbons detected in soil	RAO	DEP audit determined cleanup is adequate.	NO
2-0011555	85 GREEN ST TRUST	216 GRAFTON ST	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011649	ABANDONED DRUMS	223 GRAFTON ST	Abandoned drums posed threat of sudden release	TIER1D	DEP audit determined that drums were removed and no release occurred.	NO
2-0012020	PUBLIC OIL FACILITY	207 GRAFTON ST	Abandoned drums posed threat of sudden release	TIERII	DEP audit determined that drums were removed and no release occurred.	NO
2-0013195	PUBLIC OIL FMR	207 GRAFTON ST	Subsurface gasoline NAPL detected	RTN linked to 2-0957	DEP review determined that this RTN is being addressed under the parent RTN	NO

**Grafton Street School, 311 Grafton Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014142	CITGO - FORMER CHARTER FUELS	263 GRAFTON ST	Gasoline vapors detected in soil near UST	RTN linked to 2-0879	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014315	MOBIL BUSINESS RESOURCE	334 GRAFTON ST	Gasoline release from leaking UST	RTN linked to 2-0686	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0014499	FRIENDLY HOUSE	27 WALL ST	Chlorinated solvents detected in soil at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO
2-0015207	MOBIL STATION	334 GRAFTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RTN linked to 2-0868	DEP review determined that this RTN was addressed under the parent RTN	NO

**Greendale School, 130 Leeds Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000456	APPLIANCE SERVICE & REPAIR	490 WEST BOYLSTON ST	Gasoline release from leaking UST	TIERII	DEP executed an ACO for noncompliance. Response actions are now ongoing in compliance with the ACO.	NO
2-0000583	SERVICE STATION	24 ROCKDALE ST	Waste oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0000845	JACKS GETTY	514 WEST BOYLSTON ST	Leaking gasoline UST.	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0010931	M & D REALTY	24 ROCKDALE ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	DPS	DEP review determined that the DPS submittal was adequate.	NO
2-0010932	M & D REALTY	24 ROCKDALE ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0011215	KOMTEK	40 ROCKDALE ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0012747	JACKS GETTY FORMER	514 WEST BOYLSTON ST	Gasoline vapors detected in soil near UST	RTN linked to 2-0845	DEP review determined that this RTN was addressed under the parent RTN	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**Greendale School, 130 Leeds Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012870	PETERSON OIL	514 WEST BOYLSTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Harlow Street School, 15 Harlow Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000900	LINCOLN ST TEXACO	248 LINCOLN ST	Subsurface gasoline NAPL detected	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0010564	CK SMITH	99 CRESCENT ST	Sudden release of 100 gallons diesel fuel from pipeline	RAO	DEP audit determined cleanup is adequate.	NO
2-0010771	TEXACO	248 LINCOLN ST	Subsurface waste oil NAPL detected	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0011325	CK SMITH & CO INC	99 CRESCENT ST	Release of 200 gallons of diesel fuel	RAO	DEP audit determined cleanup is adequate.	NO
2-0011885	CNR DUXBURY AND LINCOLN ST	275 LINCOLN ST	Petroleum hydrocarbons detected in soil and groundwater at concentrations greater than reportable concentration	ROS	DEP review determined response actions are progressing properly	NO
2-0011907	TEXACO STA	248 LINCOLN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0011931	HAHNEMANN HOSP	281 LINCOLN ST	Sudden release of No 6 fuel oil	RTN linked to 2-11885	DEP review determined that this release was less than a reportable quantity	NO
2-0012425	CK SMITH	99 CRESCENT ST	Waste oil release from leaking UST	ROS	DEP review determined response actions are progressing properly	NO
2-0012620	NEW ST REALTY TRUST	36 42 HARLOW ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined cleanup was completed.	NO
2-0012931	HILLTOP FLOWER SHOP	196 LINCOLN ST	Sudden release of 100 gallons of No 2 fuel oil	RAO	DEP audit determined cleanup is adequate.	NO



**Harlow Street School, 15 Harlow Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013027	CK SMITH&CO INC	99 CRESCENT ST	Subsurface fuel oil NAPL detected	RTN linked to 2-12425	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0013247	CK SMITH&CO INC FACILITY	99 CRESCENT ST	Sudden release of 15 gallons of kerosene	RAO	DEP review determined cleanup was completed.	NO
2-0015082	CK SMITH CO	99 CRESCENT ST	Sudden release of 60 gallons of No 2 fuel oil	RTN linked to 2-12425	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0015413	MORGAN CONSTRUCTION CO	40-88 CRESCENT ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Jacob Hiatt Magnet School, 772 Main Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000174	EASTERN CHEM SPECIALTIES	241 SOUTHBRIDGE ST	Chlorinated solvents, oil and metals detected in soil at levels greater than reportable concentrations	RAO	DEP audit determined cleanup is adequate.	NO
2-0000591	PAP REALTY TRUST	38 HERMON ST	Subsurface NAPL from leaking fuel oil UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0001008	SUNOCO STATION	779 MAIN ST	Petroleum hydrocarbons detected in soil at levels greater than reportable concentrations	RAO	DEP audit determined cleanup is adequate.	NO
2-0011850	COME PLAY PRODUCTS	53 HERMON ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0012497	CHAFITZ PROPERTY	35 HERMON ST	Metals in soil and groundwater at levels greater than reportable concentration	TIERII	DEP initiated enforcement for failure to perform required response actions.	NO
2-0014444	AJD ENTERPRISES	79 BEACON ST	Chlorinated solvents, oil and arsenic detected in soil/groundwater at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO
2-0014603	DANIEL FREELANDER	53 HERMON ST	Chlorinated solvents and oil detected in groundwater at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO

**Jacob Hiatt Magnet School, 772 Main Street (cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014916	NAPAC HOLDINGS LTD	229 SOUTHBRIDGE ST	Petroleum hydrocarbons detected in groundwater at levels greater than reportable concentrations	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**Kathleen Burns Preparatory School, 81 Plantation Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011528	DARTMOUTH ST SCH	13 DARTMOUTH ST	Gasoline vapors detected in soil near a UST and subsurface NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0014499	FRIENDLY HOUSE	27 WALL ST	Chlorinated solvents detected in soil at levels greater than reportable concentrations	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO

**Lake View School, 133 Coburn Avenue**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014961	LAKE VIEW SCHOOL	133 COBURN AVE	Sudden release of 15 gallons of fuel oil to pavement due to overfill	RAO	DEP review determined that cleanup was completed.	NO

**Lincoln Street School, 549 Lincoln Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000274	FMR SHELL STATION	551 LINCOLN ST	Gasoline release from leaking UST	RAO	DEP issued a notice of noncompliance. Site has returned to compliance and cleanup is adequate.	NO
2-0010011	ST JOAN OF ARC CHURCH	570 LINCOLN ST	Heating oil release from UST	RAO	DEP audit determined cleanup is adequate.	NO

**MA Academy of Math and Science, 85 Prescott Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000372	RAVINE BEECH CO INC	100 PRESCOTT ST	Chlorinated solvents detected in groundwater	LSPNFA	DEP audit determined that contaminant concentrations were below reportable concentrations.	NO

**MA Academy of Math and Science, 85 Prescott Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012055	PARKER AFFILIATES	75 GROVE ST	Sudden release of 100 gallons of No 4 fuel oil to storm drain system	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012097	72 GROVE ST PARKING LOT	72 GROVE ST	Lead and cadmium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO
2-0012666	PARKER METAL CORP	85 PRESCOTT ST	Sudden release of 100 gallons of No 4 fuel oil from piping	RAO	DEP review determined cleanup was completed.	NO
2-0012880	PARKER REALTY CORP	75 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0012895	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0013047	JEMS OF NEW ENGLAND	47 HARVARD ST	Fuel oil UST failed tightness test	RAO	DEP audit determined cleanup is adequate.	NO
2-0013393	NEW ENGLAND PLATING FACILITY	31 GARDEN ST	Release of sodium hypochlorite to surface water	RAO	DEP review determined cleanup was completed.	NO
2-0013473	PRESCOTT ST HOLDINGS PROPERTY	85 PRESCOTT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0013474	PRESCOTT STREET HOLDINGS PROP	89 PRESCOTT ST	Metals and chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review found and corrected database errors. Response actions are progressing properly.	NO
2-0013475	PRESCOTT STREET HOLDINGS PROP	84 PRESCOTT ST	Metals, cyanide and chlorinated solvents detected in groundwater at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0013476	PRESCOTT STREET HOLDINGS PROP	60 68 72 PRESCOTT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0013479	MASSACHUSETTS ELECTRIC CO	6 FARADAY ST	PCBs and arsenic detected in soil	RAO	DEP review determined cleanup was completed.	NO
2-0013480	GATEWAY PARK PROPERTY	75 GROVE ST	Thallium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO

**MA Academy of Math and Science, 85 Prescott Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013530	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0013778	GATEWAY PARK	75 GROVE ST	Subsurface fuel oil NAPL detected	RTN linked to 2-12880	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0013944	MA ELECTRIC CO	72 PRESCOTT ST	Sudden release of 10 gallons of non-PCB transformer oil	RAO	DEP review determined cleanup was completed.	NO
2-0013966	PRESCOTT HOLDINGS LLC	85 PRESCOTT ST	Volatile organic compounds detected in groundwater	RTN linked to 2-13473	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0014587	NEW GARDEN PARK PROPERTY	31 GARDEN ST		TIERII	DEP review determined response actions are progressing properly	NO
2-0014632	WORCESTER ART MUSEUM	55 SALISBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015476	GATEWAY PARK, LLC	42 PRESCOTT ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**May Street School, 265 May Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010675	CORNER OF CHANDLER	280 MAY ST	No 4 fuel oil detected in soil	RAO	DEP review determined cleanup was completed.	NO
2-0013145	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 18 gallons of oil to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014672	WORCESTER STATE COLLEGE	486 CHANDLER ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015034	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 10 gallons of diesel fuel	RAO	DEP review determined cleanup was completed.	NO
2-0015506	WORCESTER STATE COLLEGE	486 CHANDLER ST	Arsenic and beryllium detected in soil at levels greater than reportable concentrations	Unclassified	DEP review determined response actions are progressing properly	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

<b>Midland Street School, 18 Midland Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012403	RESIDENCE	15 MONROE AVE	Sudden release of 350 gallons heating oil	RAO	DEP audit determined cleanup is adequate.	NO
<b>Multiple Intelligences, 13 Dartmouth Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011528	DARTMOUTH ST SCH	13 DARTMOUTH ST	Gasoline vapors detected in soil near a UST and subsurface NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
<b>Nativity School of Worcester, The, 10 Irving Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000400	NE TELEPHONE CO	15 CHESTNUT ST	Sudden release of 200 gallons heating oil.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010900	ST PAULS CATHEDRAL	38 HIGH ST	Release of heating oil from leaking UST	ROS	DEP review determined response actions are progressing properly	NO
2-0011304	ST PAULS CATHEDRAL	38 HIGH ST	Subsurface fuel oil NAPL detected	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011901	ST JOSEPHS HOME FOR WOMEN	52 HIGH ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011951	ST PAULS CATHEDRAL	38 HIGH ST	Fuel oil vapors detected in soil near UST	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011971	CHANCELLERY OF WORCESTER ARCH	49 ELM ST	Fuel oil vapors detected in soil near UST, subsurface NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0012507	MASS ELECTRIC ROADWAY RELEASE	12 HIGH ST	Sudden release of 900 gallons of oil to roadway and storm drain system	RAO	DEP audit determined cleanup is adequate.	NO
2-0013435	UNUM PROVIDENT CO	18 CHESTNUT ST	Release of No 4 fuel oil from leaking UST	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO

**Nativity School of Worcester, The, 10 Irving Street (cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013652	UNUM PROVIDENT	18 CHESTNUT ST	Sudden release of 1000 gallons of No 4 fuel oil to basement and sump	RAO	DEP audit determined cleanup is adequate.	NO

**Nelson Place School, 35 Nelson Place**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011912	BFI ROADWAY RELEASE	69 NELSON PL	Sudden release of 20 gallons of diesel fuel to roadway	RAO	DEP review determined cleanup was completed.	NO

**Norrback Street School, 44 Malden Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000933	BOBS SUMMIT AUTO	882 WEST BOYLSTON ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0011843	NORTH END MOTORS	926 WEST BOYLSTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0014037	PROTANOS AUTO SERVICE	937 WEST BOYLSTON ST	Sudden release of 30 gallons of diesel fuel to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014898	COLVEST WORCESTER LLC	926 WEST BOYLSTON ST	Arsenic in soil at concentrations that could pose an imminent hazard	RAO	DEP review determined cleanup was completed.	NO
2-0015235	PROTANO'S SERVICE CENTER	937 AND 935 WEST BOYLSTON ST	Gasoline release from leaking UST	Unclassified	DEP review determined response actions are progressing properly	NO

**Our Lady of the Angels School, 1220 Main Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000977	BRITE CLEANERS	1256 MAIN ST	Chlorinated solvents released to groundwater at dry cleaning facility.	RAO	DEP recommended subsurface investigation to confirm the site conditions.	NO
2-0010792	NO LOCATION AID	1227 1241 MAIN ST	Leaking gasoline UST.	RAO	DEP review determined cleanup was completed.	NO
2-0010973	MILLBROOK FACILITY	1475 MAIN ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Our Lady of the Angels School, 1220 Main Street (cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011876	GAS STA FMR	1233 MAIN ST	Subsurface gasoline NAPL detected	ROS	DEP review determined response actions are progressing properly	NO
2-0012217	NORTH OF WEBSTER PLAZA	1227 MAIN ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0014196	GATES LANE SCHOOL	1238 MAIN ST	Sudden release of 50 gallons of heating oil to basement	RAO	DEP audit determined cleanup is adequate.	NO

**Quinsigamond School, 832 Millbury Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000408	PATRIOT METALS	30 BALLARD ST	Metals, oil and PCBs detected in soil	TIER1A	DEP review determined response actions are progressing properly	NO
2-0000537	MORGAN LINEN	851 MILLBURY ST	Petroleum hydrocarbons detected in soil	LSPNFA	DEP review determined cleanup was completed.	NO
2-0010228	PATRIOT METALS	30 BALLARD ST	Subsurface waste oil NAPL detected	TIER1A	DEP review determined response actions are progressing properly	NO
2-0012575	STARR SCRAP METAL	753 MILLBURY ST	Arsenic detected in groundwater	RTN linked to 2-0408	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0013539	PATRIOT METALS FMR	30 BALLARD ST	MTBE detected in surface water near site	RTN linked to 2-0408	DEP review determined that this RTN is being addressed under the parent RTN	NO

**Rice Square School, 76 Massasoit Road**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010865	EDWARD NABHIAN	500 GRAFTON ST	No 2 fuel oil detected in soil	RAO	DEP audit determined cleanup is adequate.	NO
2-0011895	LADY OF LORETO	33 37 MASSASOIT RD	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

<b>Roosevelt School, 1006 Grafton Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000552	FOREIGN AUTO	994 GRAFTON ST	Waste oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
<b>Seven Hills Charter School, 15 Gage Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000627	WORC T & G FLEET GARAGE	75 EAST WORCESTER ST	Release of gasoline to groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0011523	EDWARD BUICK	72 SHREWSBURY ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011939	GMC TRUCK	72 SHREWSBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012309	CORNER OF S HILL ST	111 SHREWSBURY 17 EAST WORCE	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012539	WORCESTER DPW	20 EAST WORCESTER ST	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0013164	SEWER DEPT	20 EAST WORCESTER ST	Release of No 2 fuel oil from leaking UST	TIERII	DEP review determined that submittals were late but cleanup is progressing properly.	NO
2-0014163	WORCESTER SEWER DEPT	20 EAST WORCESTER ST	Subsurface fuel oil NAPL detected	RTN linked to 2-13164	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014907	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Petroleum hydrocarbons detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0014939	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Threat of a release when drill rig punctured top of oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0014951	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Subsurface fuel oil NAPL detected	RTN linked to 2-14907	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0015393	CITY OF WORCESTER	89 SHREWSBURY ST	Fuel oil vapors detected in soil near UST	RTN linked to 2-14907	DEP review determined that this RTN is being addressed under the parent RTN	NO



Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

<b>Solomon Schechter Day School, Jamesbury Drive</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010156	PRIVATE RESIDENCE	11 WESTBROOK RD	Sudden release of 200 gallons heating oil.	RAO	DEP audit determined cleanup is adequate.	NO
<b>St. Mary's Central Catholic High School, 50 Richland Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013251	ST MARY'S HIGH SCHOOL	50 RICHLAND ST	Sudden release of 100 gallons of No 2 fuel oil to basement floor and sump	RAO	DEP audit determined cleanup is adequate. No evidence of a release to the environment.	NO
<b>St. Mary's Central Elementary School, 50 Richland Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013251	ST MARY'S HIGH SCHOOL	50 RICHLAND ST	Sudden release of 100 gallons of No 2 fuel oil to basement floor and sump	RAO	DEP audit determined cleanup is adequate. No evidence of a release to the environment.	NO
<b>St. Peter Central Catholic, 865 Main Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010720	CATHOLIC CHARITIES	15 RIPLEY ST	No 2 fuel oil release from UST, subsurface NAPL.	RAO	DEP executed an ACOP for noncompliance. Response actions are now ongoing in compliance with the ACOP.	NO
2-0011029	CATHOLIC CHARITIES	15 RIPLEY ST	Subsurface No 2 fuel oil NAPL detected	RAO	DEP executed an ACOP for noncompliance. Response actions are now ongoing in compliance with the ACOP.	NO
<b>St. Stephen's Elementary School, 355 Grafton Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0015492	PREMIUM FUELS CORP.	26 ARTHUR ST	Sudden release of 150 gallons heating oil to basement	Unclassified	DEP review determined response actions are progressing properly	NO

**St. Stephen's Elementary School, 355 Grafton Street (Cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000686	MOBIL STATION 01 EMB	334 GRAFTON ST	Leaking gasoline UST.	RAO	DEP audit determined that cleanup is progressing properly. DEP initiated enforcement for failure to submit tier II extension. DEP found and corrected database errors.	NO
2-0014315	MOBIL BUSINESS RESOURCE	334 GRAFTON ST	Gasoline release from leaking UST	RTN linked to 2-0686	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0015207	MOBIL STATION	334 GRAFTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RTN linked to 2-0686	DEP review determined that this RTN is being addressed under the parent RTN	NO

**Tatnuck Magnet School, 1083 Pleasant Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000628	TATNUCK SQUARE MOBIL 01 079	635 CHANDLER ST	Gasoline release from leaking UST	RAO	DEP review determined cleanup was completed.	NO
2-0001026	TEXACO STA	1107 PLEASANT ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010244	DUDLEY SERVICE CENTER	648 CHANDLER ST	Leaking gasoline UST.	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0011404	TATNUCK SQ TEXACO	1107 PLEASANT ST	Subsurface gasoline NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0011490	TEXACO STA	1107 PLEASANT ST	Subsurface gasoline NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0011559	GETTY STA	626 CHANDLER ST	No 2 fuel oil release from leaking UST	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012165	TIVERTON PKWY CORNER OF	1107 PLEASANT ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012311	CUMBERLAND FARMS	616 CHANDLER ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**Tatnuck Magnet School, 1083 Pleasant Street (cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012700	BOURQUE PROPERTY	625 CHANDLER ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0013758	GETTY STA	626 CHANDLER ST	Sudden release of 40 gallons of gasoline from piping	RAO	DEP review determined cleanup was completed.	NO

**Union Hill School, 1 Chapin Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010586	ST VINCENT'S HOSPITAL	25 WINTHROP ST	1000 gallons No 2 fuel oil released from UST	RAO	DEP review determined cleanup was completed.	NO
2-0010647	ST VINCENT'S HOSPITAL	25 WINTHROP ST	Subsurface fuel oil NAPL detected	RTN linked to 2-10586	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0011455	ST VINCENT'S HOSP	25 WINTHROP ST	Release of 29 gallons of hydraulic oil to elevator shaft	RAO	DEP review determined cleanup was completed.	NO
2-0013040	MAHONEY PROPERTY	66 PROVIDENCE ST	Sudden release of 250 gallons of No 2 fuel oil from AST	RAO	DEP audit determined cleanup is adequate.	NO
2-0015145	ST VINCENT'S HOSPITAL	25 WINTHROP ST	Sudden release of 25 gallons of hydraulic oil	RAO	DEP review determined cleanup was completed.	NO

**University Park Campus School, 12 Freeland Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010490	ATAMIAN MOTORS FMR	1013 MAIN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined arsenic is equivalent to background. A voluntary AUL was applied.	NO

**Vernini Academy, 211 Providence Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010047	MEDICAL CTR OF CTL MA W OF HOPPER ST	119 BELMONT ST	No 2 fuel oil release from UST, subsurface NAPL.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010956	BELMONT ST SCHOOL	170 BELMONT ST	Sudden release of 20 gallons of No 2 fuel oil during UST removal	RAO	DEP audit determined cleanup is adequate.	NO

Table 1- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Schools

**West Tatnuck Elementary School, 300 Mower Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014415	WEST TATNUCK ELEMENTARY SCHOOL	300 MOWER ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**Worcester Academy, 81 Providence Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013040	MAHONEY PROPERTY	66 PROVIDENCE ST	Sudden release of 250 gallons of No 2 fuel oil from AST	RAO	DEP audit determined cleanup is adequate.	NO

**Worcester Alternative School, 22 Waverly Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000513	HARDING ST REALTY CORP	38 40 POND ST	Subsurface NAPL from leaking oil UST	TIERII	DEP initiated higher level enforcement due to missed submittals.	NO
2-0000957	PUBLIC OIL	207 GRAFTON ST	Gasoline release from leaking UST	TIERII	DEP review determined response actions are progressing properly	NO
2-0010450	AIELLO FAMILY TRUST	216 GRAFTON ST	No 4 fuel oil released from UST	RAO	DEP audit determined that cleanup was adequate. DEP initiated a level 2 audit to assure the AUL is adequately protective.	NO
2-0010581	AIELLO TRUST PROPERTY	216 GRAFTON ST	Petroleum hydrocarbons detected in soil	RAO	DEP audit determined cleanup is adequate.	NO
2-0011555	85 GREEN ST TRUST	216 GRAFTON ST	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0012020	PUBLIC OIL FACILITY	207 GRAFTON ST	Abandoned drums posed threat of sudden release	TIERII	DEP audit determined that drums were removed and no release occurred.	NO
2-0013040	MAHONEY PROPERTY	66 PROVIDENCE ST	Sudden release of 250 gallons of No 2 fuel oil from AST	RAO	DEP audit determined cleanup is adequate.	NO

**Worcester Alternative School, 22 Waverly Street (cont)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013195	PUBLIC OIL FMR	207 GRAFTON ST	Subsurface gasoline NAPL detected	RTN linked to 2-0957	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0013230	UTILITY POLE 12-1	65 WATER ST	Sudden release of non-PCB transformer oil	RAO	DEP review determined cleanup was completed.	NO
2-0013422	PRES MET CORP	112 HARDING ST	Subsurface waste oil NAPL detected	ROS	DEP review determined response actions are progressing properly	NO

**Worcester East Middle School, 420 Grafton Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000734	CUMBERLAND FARMS FMR	456 GRAFTON ST	Leaking gasoline UST.	RAO		NO
2-0015492	PREMIUM FUELS CORP.	26 ARTHUR ST	Sudden release of 150 gallons heating oil to basement	Unclassified	DEP review determined response actions are progressing properly	NO

**Worcester SDA School, 2 Airport Drive**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012311	CUMBERLAND FARMS	616 CHANDLER ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO

**Worcester Vocational High School, 2 Grove Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000372	RAVINE BEECH CO INC	100 PRESCOTT ST	Chlorinated solvents detected in groundwater	LSPNFA	DEP audit determined that contaminant concentrations were below reportable concentrations.	NO
2-0012055	PARKER AFFILIATES	75 GROVE ST	Sudden release of 100 gallons of No 4 fuel oil to storm drain system	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012097	72 GROVE ST PARKING LOT	72 GROVE ST	Lead and cadmium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO

**Worcester Vocational High School, 2 Grove Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012666	PARKER METAL CORP	85 PRESCOTT ST	Sudden release of 100 gallons of No 4 fuel oil from piping	RAO	DEP review determined cleanup was completed.	NO
2-0012880	PARKER REALTY CORP	75 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0012895	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0013047	JEMS OF NEW ENGLAND	47 HARVARD ST	Fuel oil UST failed tightness test	RAO	DEP audit determined cleanup is adequate.	NO
2-0013473	PRESCOTT ST HOLDINGS PROPERTY	85 PRESCOTT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0013474	PRESCOTT STREET HOLDINGS PROP	89 PRESCOTT ST	Metals and chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review found and corrected database errors. Response actions are progressing properly.	NO
2-0013475	PRESCOTT STREET HOLDINGS PROP	84 PRESCOTT ST	Metals, cyanide and chlorinated solvents detected in groundwater at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0013966	PRESCOTT HOLDINGS LLC	85 PRESCOTT ST	Volatile organic compounds detected in groundwater	RTN linked to 2-13473	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0013480	GATEWAY PARK PROPERTY	75 GROVE ST	Thallium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO
2-0013530	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0013778	GATEWAY PARK	75 GROVE ST	Subsurface fuel oil NAPL detected	RTN linked to 2-12880	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0014632	WORCESTER ART MUSEUM	55 SALISBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO

## TABLE 2

### Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Group Child Care Centers and Federal Head Start Programs<sup>1</sup>

*Alphabetical By School Name*

<b>Access Futures Day Care, 799 West Boylston Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010832	INT WITH W MOUNTAIN ST	70 PULLMAN ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0011112	FOURNIER LEASING INC	6 40 PULLMAN ST	Abandoned drums posed threat of sudden release, leaking oil UST	TIERII	DEP executed an ACO for noncompliance. Response actions are now ongoing in compliance with the ACO.	NO
2-0011205	FOURNIER LEASING	6 PULLMAN ST	Fuel oil vapors detected in soil near UST	RTN linked to 2-11112	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011339	LEAKING USTS	2 PULLMAN ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0011840	MNL/CSL LLC	2 PULLMAN ST	Lead and arsenic in soil at levels that could pose an imminent hazard	TIERII	DEP review determined Phase I Report is inadequate. Level 3 Audit recommended.	NO
2-0011841	CNE INC	10 PULLMAN ST	Lead and arsenic in soil at levels that could pose an imminent hazard	TIERII	DEP review determined response actions are progressing properly	NO

#### **Key to terms used in this table:**

RTN: a "Release Tracking Number" is assigned to releases reported to DEP for tracking purposes.

UST: underground storage tank

NAPL: non-aqueous phase liquid

Status: This column lists the MCP status for each site. See Section 2 for the definitions for each status type.

(1) Only facilities with MCP Sites within 1000 feet are included in this table. Some RTNs appear more than once since the 1000-foot radii for some facilities overlap. Some properties have more than one RTN indicating more than one release has been reported on the property. Multiple RTNs for one property are "linked" together under one property address.

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 2 of 17**

**Access Futures Day Care, 799 West Boylston Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011842	CNE INC	40 PULLMAN ST	Lead and arsenic in soil at levels that could pose an imminent hazard	TIERII	DEP review determined Phase I Report is inadequate. Level 3 Audit recommended.	NO
2-0012484	WM REISNER CORP	70 PULLMAN ST	Arsenic detected in soil at levels greater than the reportable concentration	RTN linked to 2-10832	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0014167	DOUBLE G REALTY TRUST	853 WEST BOYLSTON ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015563	CORNELIUS LUCEY	6 PULLMAN ST	Subsurface NAPL oil detected	Unclassified	DEP review determined response actions are progressing properly	NO

**Adams Street School (Head Start Program), 28 Adams Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000188	UNIVERSAL METALS CORP	345 SHREWSBURY ST	Metals and petroleum hydrocarbons detected in soil	LSPNFA	DEP review determined cleanup was completed.	NO
2-0000268	EG&G INC	328 SHREWSBURY ST	Gasoline release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0000380	GALLO REALTY CORP	366-382 SHREWSBURY ST	Gasoline release from leaking UST	TIER1D	DEP initiated enforcement for failure to perform required response actions.	NO
2-0000448	GALLO CAR RENTAL	386-390 SHREWSBURY ST	Gasoline release from leaking UST	DEPNFA	DEP review determined that cleanup was complete. DEP found and corrected database errors.	NO
2-0000449	GALLO REALTY CORPORATION	393-395 SHREWSBURY ST	Volatile organic compounds detected in groundwater	DEPNDS	DEP review determined property is not a disposal site.	NO
2-0000680	COCA COLA BOTTLING CO	333 SHREWSBURY ST	Chlorinated solvents and petroleum hydrocarbons detected in soil and groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0010634	WORCESTER ST HOSP	305 BELMONT ST	Gasoline release from leaking UST	RAO	DEP audit determined that RAO is invalid. DEP initiated enforcement to require additional assessment.	NO



**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 3 of 17**

<b>Adams Street School (Head Start Program), 28 Adams Street ( Cont.)</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0015239	U-MASS MEMORIAL MED CTR	328 SHREWSBURY ST	Sudden release of 5 gallons of hydraulic oil in elevator shaft to the sanitary sewer	RAO	DEP review determined cleanup was completed.	NO
<b>Apple-a-Day Care Center, 18 Oxford Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000400	NE TELEPHONE CO	15 CHESTNUT ST	Sudden release of 200 gallons heating oil.	RAO	DEP audit determined cleanup is adequate.	NO
2-0000925	MOBIL SERVICE STA	30 CHANDLER ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010900	ST PAULS CATHEDRAL	38 HIGH ST	Release of heating oil from leaking UST	ROS	DEP review determined response actions are progressing properly	NO
2-0011304	ST PAULS CATHEDRAL	38 HIGH ST	Subsurface fuel oil NAPL detected	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011483	MOBIL SERVICE STA	30 CHANDLER ST	Subsurface gasoline NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0011901	ST JOSEPHS HOME FOR WOMEN	52 HIGH ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011951	ST PAULS CATHEDRAL	38 HIGH ST	Fuel oil vapors detected in soil near UST	RTN linked to 2-10900	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011971	CHANCELLERY OF WORCESTER ARCH	49 ELM ST	Fuel oil vapors detected in soil near UST, subsurface NAPL detected	RAO	DEP audit determined cleanup is adequate.	NO
2-0012507	MASS ELECTRIC ROADWAY RELEASE	12 HIGH ST	Sudden release of 900 gallons of oil to roadway and storm drain system	RAO	DEP audit determined cleanup is adequate.	NO
2-0013731	WORCESTER GENERAL REPAIR INC	43 CHANDLER ST	Subsurface NAPL from leaking oil UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0013933	WORCESTER GENERAL REPAIR	43 CHANDLER ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0014168	SAGARIAN SR PROPERTY	43 CHANDLER ST	Subsurface fuel oil NAPL detected	DPS	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 4 of 17**

<b>Appleseed Early Learning Center, Inc., 15 Hill Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000627	WORC T & G FLEET GARAGE	75 EAST WORCESTER ST	Release of gasoline to groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0011523	EDWARD BUICK	72 SHREWSBURY ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011939	GMC TRUCK	72 SHREWSBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012309	CORNER OF S HILL ST	111 SHREWSBURY 17 EAST WORCESTER	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012539	WORCESTER DPW	20 EAST WORCESTER ST	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0013164	SEWER DEPT	20 EAST WORCESTER ST	Release of No 2 fuel oil from leaking UST	TIERII	DEP review determined that submittals were late but cleanup is progressing properly.	NO
2-0014163	WORCESTER SEWER DEPT	20 EAST WORCESTER ST	Subsurface fuel oil NAPL detected	RTN linked to 2-13164	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014907	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Petroleum hydrocarbons detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0014939	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Threat of a release when drill rig punctured top of oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0014951	SCHOOL MAINTENANCE BLDG	89 SHREWSBURY ST	Subsurface fuel oil NAPL detected	RTN linked to 2-14907	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0015393	CITY OF WORCESTER	89 SHREWSBURY ST	Fuel oil vapors detected in soil near UST	RTN linked to 2-14907	DEP review determined that this RTN is being addressed under the parent RTN	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 5 of 17**

<b>Becker Child Development Center, 66 William Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010703	CROSS ST & MARRICK ST	333 PLEASANT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012380	NAJEMI PROPERTY	53 CEDAR ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012857	POLE 3	83 ELM ST	Sudden release of 20 gallons of non-PCB transformer oil	RAO	DEP audit determined cleanup is adequate.	NO
2-0014621	FRIENDLY HOUSE INC	32 MERRICK ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP initiated enforcement for noncompliance with a previously issued NON.	NO
<b>Bright Start Academy, 135 Kenberma Road</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010865	EDWARD NABHIAN	500 GRAFTON ST	No 2 fuel oil detected in soil	RAO	DEP audit determined cleanup is adequate.	NO
2-0011173	GETTY STATION	527 GRAFTON ST	Gasoline vapors detected in soil near UST	ROS	DEP review determined response actions are progressing properly	NO
2-0011895	LADY OF LORETO	33 37 MASSASOIT RD	Fuel oil vapors detected in soil near UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011897	GETTY REALTY CO	527 GRAFTON ST	Subsurface gasoline NAPL detected	RTN linked to 2-11173	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0012026	GETTY STATION	527 GRAFTON ST	Subsurface gasoline NAPL detected	RTN linked to 2-11173	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0013275	GETTY STATION	527 GRAFTON ST	Subsurface gasoline NAPL detected	RTN linked to 2-11173	DEP review determined that this RTN is being addressed under the parent RTN	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 6 of 17**

<b>Chestnut Nursery School and Kindergarten, 6 Institute Road</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000372	RAVINE BEECH CO INC	100 PRESCOTT ST	Chlorinated solvents detected in groundwater	LSPNFA	DEP audit determined that contaminant concentrations were below reportable concentrations.	NO
2-0012055	PARKER AFFILIATES	75 GROVE ST	Sudden release of 100 gallons of No 4 fuel oil to storm drain system	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012097	72 GROVE ST PARKING LOT	72 GROVE ST	Lead and cadmium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO
2-0012666	PARKER METAL CORP	85 PRESCOTT ST	Sudden release of 100 gallons of No 4 fuel oil from piping	RAO	DEP review determined cleanup was completed.	NO
2-0012880	PARKER REALTY CORP	75 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0012895	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO
2-0013047	JEMS OF NEW ENGLAND	47 HARVARD ST	Fuel oil UST failed tightness test	RAO	DEP audit determined cleanup is adequate.	NO
2-0013473	PRESCOTT ST HOLDINGS PROPERTY	85 PRESCOTT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0013474	PRESCOTT STREET HOLDINGS PROP	89 PRESCOTT ST	Metals and chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review found and corrected database errors. Response actions are progressing properly.	NO
2-0013475	PRESCOTT STREET HOLDINGS PROP	84 PRESCOTT ST	Metals, cyanide and chlorinated solvents detected in groundwater at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0013480	GATEWAY PARK PROPERTY	75 GROVE ST	Thallium detected in soil at levels greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO
2-0013530	WORCESTER VOCATIONAL HIGH SCHOOL	2 GROVE ST	Subsurface NAPL from leaking No 4 fuel oil UST	RAO	DEP review determined cleanup was completed.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 7 of 17**

**Chestnut Nursery School and Kindergarten, 6 Institute Road (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013778	GATEWAY PARK	75 GROVE ST	Subsurface fuel oil NAPL detected	RTN linked to 2-12880	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0013966	PRESCOTT HOLDINGS LLC	85 PRESCOTT ST	Volatile organic compounds detected in groundwater	RTN linked to 2-13473	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0014632	WORCESTER ART MUSEUM	55 SALISBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**The Children's Garden at the VNA, 120 Thomas Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000866	USPS WORCESTER	4 EAST CENTRAL ST	Oil release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0011744	WORCESTER POST OFFICE	4 EAST CENTRAL ST	Sudden release of 40 gallons of roofing adhesive	RAO	DEP review determined cleanup was completed.	NO
2-0012352	MED CITY	20 WORCESTER CENTER BLVD	Release of waste oil from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO
2-0012785	PRIMEDICA TESTING LAB	57 UNION ST	Sudden release of 20 gallons of No 2 fuel oil to pavement and catch basin	RAO	DEP audit determined cleanup is adequate.	NO
2-0013233	USPS WORCESTER	4 EAST CENTRAL ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0014870	CIRCUS	CENTRAL ST @ COMMERCIAL ST	Sudden release of 20 gallons diesel fuel to roadway	TIER1D	DEP initiated higher level enforcement for failure to perform response actions.	NO
2-0015144	PUB 99 RESTAURANT & PUB INC	11 EAST CENTRAL ST	Arsenic in soil at concentration greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 8 of 17**

<b>Contemporary Learning Center, 172 Austin Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000584	WHITE CLEANERS	199 CHANDLER ST	No 6 fuel oil release from leaking UST	RAO	DEP review determined cleanup was completed.	NO
2-0000731	MUIRS BUILDING & PROPERTY	205 CHANDLER ST	Chlorinated solvents detected in groundwater	LSPNFA	DEP initiated enforcement for noncompliance with a previously issued NON.	NO
2-0000783	WORCESTER CITY HOSPITAL	26 QUEEN ST	Leaking No. 6 oil UST	TIER1D	DEP executed an ACO for noncompliance. Response actions are now ongoing in compliance with the ACO.	NO
2-0010703	CROSS ST & MARRICK ST	333 PLEASANT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012529	UNIVERSITY OF MASS MED CENTER	26 QUEEN ST	Surface spill of 1000 gallons of No 6 fuel oil due to overfill	RAO	DEP review determined cleanup was completed.	NO
2-0012589	WORCESTER CITY CAMPUS	26 QUEEN ST	No 6 fuel oil UST failed tightness test	RAO	DEP review determined leak was contained by outer wall of UST and no release occurred.	NO
2-0013932	UMASS MEMORIAL REALTY	26 QUEEN ST	Arsenic in soil at concentrations that could pose an imminent hazard	TIERII	DEP review determined response actions are progressing properly	NO
2-0014533	MUIRS INC	39 MASON ST	Chlorinated solvents detected in soil at levels greater than reportable concentrations	RAO	DEP audit determined cleanup is adequate.	NO
2-0015117	FMR WHITES CLEANERS	199 CHANDLER ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
<b>Elm Park Center, 134 Burncoat Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011807	BURNCOAT MIDDLE SCHOOL	135 BURNCOAT ST	Release of No 4 fuel oil to basement sump	RAO	DEP review determined NAPL was limited to sump area. Indoor air impacts were assessed and none found.	NO
2-0011909	BURNCOAT MIDDLE SCHOOL	135 BURNCOAT ST	Sudden release of No 4 fuel oil from UST	RTN linked to 2-11807	DEP review determined that this RTN was addressed under the parent RTN	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 9 of 17**

<b>Great Brook Valley Head Start, 180 Constitution Avenue</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000630	SPRAGUE ELECTRIC CO	115 NORTHEAST CUTOFF	Petroleum hydrocarbons detected in soil and groundwater, plasticizers in groundwater	RAO	DEP audit determined cleanup is adequate.	NO
2-0015120	ALLEGRO MICROSYSTEMS INC	115 NORTHEAST CUTOFF	Sudden release of 20 gallons of hydraulic oil	RAO	DEP review determined cleanup was completed.	NO
<b>Guild of St. Agnes Grove Street Daycare Center, 353 Grove Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000659	ATRIUM RESTAURANT FMR	398-400 GROVE ST	Chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP initiated enforcement due to missed submittals.	NO
2-0000799	STAR ENTERPRISE TEXACO	340 GROVE ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0000964	PROPERTY	419 GROVE ST	Waste oil release from leaking UST	LSPNFA	DEP review determined cleanup was completed.	NO
2-0010990	WORCESTER ATHLETIC CLUB	440 GROVE ST	Petroleum hydrocarbons detected in soil and groundwater at concentrations greater than reportable concentration	DPS	DEP review determined that the DPS submittal was adequate.	NO
2-0011715	GOLDSTAR PARTNERS LLC	410 GROVE ST	Petroleum hydrocarbons in soil from leaking waste oil UST	RAO	DEP review determined that cleanup was complete. DEP found and corrected database errors.	NO
2-0012752	FLEET BANK	51 GOLD STAR BLVD	Chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0014697	HLTH FOUNDATION OF CENTRAL MA	300 GROVE ST	Diesel fuel release from leaking UST	TIERII	DEP review determined response actions are progressing properly	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 10 of 17**

<b>Lee Street School (Head Start), 37 Lee Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000818	MOBIL STATION 01 EL5	185 PARK AVE	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0014620	MOBIL STATION	185 PARK AVE	Gasoline release from leaking UST	RTN linked to 2-0818	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0015555	FRANCIS POTTER	27 GERMAIN ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	Unclassified	DEP review determined response actions are progressing properly	NO
2-0015556	WPI	49 INSTITUTE RD	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	Unclassified	DEP review determined response actions are progressing properly	NO
<b>Main South Child Care Center, 875 Rear Main Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010720	CATHOLIC CHARITIES	15 RIPLEY ST	No 2 fuel oil release from UST, subsurface NAPL.	RAO	DEP executed an ACOP for noncompliance. Response actions are now ongoing in compliance with the ACOP.	NO
2-0011029	CATHOLIC CHARITIES	15 RIPLEY ST	Subsurface No 2 fuel oil NAPL detected	RAO	DEP executed an ACOP for noncompliance. Response actions are now ongoing in compliance with the ACOP.	NO
2-0014901	MAILLOUX RESIDENCE	106 WOODLAND ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined cleanup was completed.	NO
<b>MA Job Training Child Development Center, 332 Main Street</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000400	NE TELEPHONE CO	15 CHESTNUT ST	Sudden release of 200 gallons heating oil.	RAO	DEP audit determined cleanup is adequate.	NO
2-0013435	UNUM PROVIDENT CO	18 CHESTNUT ST	Release of No 4 fuel oil from leaking UST	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0013636	SOVEREIGN BANK	446 MAIN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO



**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 11 of 17**

**MA Job Training Child Development Center, 332 Main Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0013652	UNUM PROVIDENT	18 CHESTNUT ST	Sudden release of 1000 gallons of No 4 fuel oil to basement and sump	RAO	DEP audit determined cleanup is adequate.	NO
2-0014320	ODONNELL PROPERTY	211-215 MAIN ST	Chlorinated solvents detected in soil and groundwater at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0014325	SLATER BUILDING	390 MAIN ST	Sudden release of No 6 fuel oil to basement from vaulted AST	RAO	DEP review determined cleanup was completed.	NO
2-0015292	WORCESTER OUTLET MALLS	100-120 FRONT ST	Arsenic in soil at concentration greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Millbury Street School (Head Start Program), 389 Millbury Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000168	BABCO REALTY	2 KANSAS ST	PCBs detected in soil at concentrations that could pose an imminent hazard, NAPL, PCBs and chlorinated solvents in groundwater	TIER1B	DEP executed an ACOP for noncompliance. Response actions are now ongoing in compliance with the ACOP.	NO
2-0000365	CASTLE METALS	70 QUINSIGAMOND AVE	Gasoline and diesel fuel released from leaking USTs	TIER1D	DEP initiated enforcement for noncompliance with transition deadlines. DEP changed the status from PENNFA	NO
2-0000930	PETERSON OIL CO	450 MILLBURY ST	Subsurface gasoline NAPL detected	TIER1A	DEP review determined response actions are progressing properly	NO
2-0000991	GAS STATION FMR	670 CAMBRIDGE ST	Metals and petroleum hydrocarbons detected in soil at levels greater than reportable concentrations	TIERII	DEP review determined response actions are progressing properly	NO
2-0001000	PETERSON OIL CO	431 MILLBURY ST	Petroleum hydrocarbons detected in soil	RAO	DEP audit determined cleanup is adequate.	NO
2-0010950	PETERSON OIL	450 MILLBURY ST	Gasoline vapors detected at levels that could pose an imminent hazard	RTN linked to 2-0930	DEP review determined that this RTN is being addressed under the parent RTN	NO

Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 12 of 17

<b>Millbury Street School (Head Start Program), 389 Millbury Street (Cont.)</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0011180	TRANSFORMER RELEASE	75 QUINSIGAMOND AVE	Sudden release of mineral oil dielectric fluid released from transformer	RAO	DEP review determined cleanup was completed.	NO
2-0011333	ACROSS FROM ENV INC	2 KANSAS ST	Threat of sudden release from abandoned drums	RAO	DEP review determined cleanup was completed. No release occurred.	NO
2-0011634	NAPL	2 KANSAS ST	Subsurface PCB-oil NAPL detected	RTN linked to 2-0168	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0011667	CAMBRIDGE ST	2 KANSAS ST	PCBs detected in soil at concentrations that could pose an imminent hazard	RTN linked to 2-0168	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0012571	IRISH CAR FORMER	350 MILLBURY ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0012572	WORCESTER TRANSMISSION FORMER	463 MILLBURY ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0012573	WORCESTER TIRE FORMER	477 MILLBURY ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0013084	ACROSS FROM 861 AT P&W RR	MILLBURY ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	TIER1D	DEP audit determined that this URAM is related to a Tier IA disposal site.	NO
2-0013307	NISSEN BAKERY	75 QUINSIGAMOND AVE	Sudden release of 70 gallons of diesel fuel	RAO	DEP review determined cleanup was completed.	NO
2-0014044	CANADA IMPERIAL OIL ASPHALT RELEASE	2 KANSAS ST AT RR SPUR	Sudden release of 50 gallons of liquid asphalt to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014355	FMR INDUSTRIAL SITE	2 KANSAS ST	PCBs detected in soil at concentrations that could pose an imminent hazard	RTN linked to 2-0168	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014477	MASS ELECTRIC CO UTILITY POLE	77 PERRY AVE	Sudden release of non-PCB transformer oil to soil	RAO	DEP review determined cleanup was completed.	NO
2-0015319	ROADWAY	2 KANSAS ST AT SHERMAN	PCBs detected in soil at concentrations greater than reportable concentration	Unclassified	DEP review determined response actions are progressing properly	NO
2-0015600	FORMER PETERSON OIL	450-470 MILLBURY ST	Gasoline and diesel fuel released from leaking USTs	Unclassified	DEP review determined response actions are progressing properly	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 13 of 17**

**Quinsigamond Children's School, 670 West Boylston Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000646	GREATER MEDIA CABLE	95 HIGGINS ST	Oil release from leaking UST	DEPNFA	DEP review determined that cleanup was complete.	NO
2-0012338	VELLUMOID FACILITY	54 ROCKDALE ST	Release of chlorinated solvents to groundwater and No 6 fuel oil subsurface NAPL	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0012996	VELLUMOID INC	54 ROCKDALE ST	Subsurface fuel oil NAPL detected	RTN linked to 2-12338	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0011402	BROOKS ST	141 HIGGINS ST	Chlorinated solvents detected in groundwater	DPS	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**Rainbow Child Development Preschool Center, 16 Laurel Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0012785	PRIMEDICA TESTING LAB	57 UNION ST	Sudden release of 20 gallons of No 2 fuel oil to pavement and catch basin	RAO	DEP audit determined cleanup is adequate.	NO
2-0013233	USPS WORCESTER	4 EAST CENTRAL ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0013919	BELMONT TOWERS	40 BELMONT ST	Petroleum hydrocarbons detected in soil at levels greater than reportable concentrations	TIERII	DEP review determined that submittals were late but cleanup is progressing properly.	NO

**School Age Mother's Infant Center, 125 Providence Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010586	ST VINCENT'S HOSPITAL	25 WINTHROP ST	1000 gallons No 2 fuel oil released from UST	RAO	DEP review determined cleanup was completed.	NO
2-0010647	ST VINCENT'S HOSPITAL	25 WINTHROP ST	Subsurface fuel oil NAPL detected	RTN linked to 2-10586	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0011455	ST VINCENT'S HOSP	25 WINTHROP ST	Release of 29 gallons of hydraulic oil to elevator shaft	RAO	DEP review determined cleanup was completed.	NO
2-0015145	ST VINCENT'S HOSPITAL	25 WINTHROP ST	Sudden release of 25 gallons of hydraulic oil	RAO	DEP review determined cleanup was completed.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 14 of 17**

**St. Spyridon Nursery School, 102 Russell Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000742	PARKVIEW OFFICE TOWER	255 PARK AVE	Petroleum hydrocarbons detected in groundwater	RAO	DEP review determined cleanup was completed.	NO
2-0010703	CROSS ST & MARRICK ST	333 PLEASANT ST	Lead detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0012380	NAJEMI PROPERTY	53 CEDAR ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0012857	POLE 3	83 ELM ST	Sudden release of 20 gallons of non-PCB transformer oil	RAO	DEP audit determined cleanup is adequate.	NO
2-0014621	FRIENDLY HOUSE INC	32 MERRICK ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP initiated enforcement for noncompliance with a previously issued NON.	NO

**Temple Emanuel Nursery School, 280 May Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010675	CORNER OF CHANDLER	280 MAY ST	No 4 fuel oil detected in soil	RAO	DEP review determined cleanup was completed.	NO
2-0013145	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 18 gallons of oil to pavement	RAO	DEP review determined cleanup was completed.	NO
2-0014672	WORCESTER STATE COLLEGE	486 CHANDLER ST	Petroleum hydrocarbons detected in soil at concentrations greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015034	WORCESTER STATE COLLEGE	486 CHANDLER ST	Sudden release of 10 gallons of diesel fuel	RAO	DEP review determined cleanup was completed.	NO
2-0015506	WORCESTER STATE COLLEGE	486 CHANDLER ST	Arsenic and beryllium detected in soil at levels greater than reportable concentrations	Unclassified	DEP review determined response actions are progressing properly	NO

**Tiny Treasures Learning Center, 6 Warden Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000186	U HAUL	290 BELMONT ST	Gasoline release from leaking UST	RAO	DEP audit determined cleanup is adequate.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 15 of 17**

**Tiny Treasures Learning Center, 6 Warden Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000593	TEXACO	294 BELMONT ST	Gasoline release from leaking UST	TIERII	DEP review determined assessment is inadequate, recommended level 3 audit.	NO
2-0000666	MERIT OIL STA	312 BELMONT ST	Leaking gasoline UST.	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0001093	TEXACO STATION	310 BELMONT ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010119	MHD HQ	403 BELMONT ST	Leaking gasoline UST.	RAO	DEP audit determined cleanup is adequate.	NO
2-0010634	WORCESTER STATE HOSPITAL	305 BELMONT ST	Gasoline release from leaking UST	RAO	DEP audit determined that RAO is invalid. DEP initiated enforcement to require additional assessment.	NO
2-0010710	POWER PLANT	305 BELMONT ST	Sudden release of 10 gallons of No 6 fuel oil	RAO	DEP audit determined that RAO is invalid. DEP initiated enforcement to require additional assessment.	NO
2-0011078	STEVENS WALDEN INC	475 SHREWSBURY ST	Metals, chlorinated solvents and PCB-oil detected in soil and groundwater at levels greater than reportable concentrations, subsurface NAPL	TIERII	DEP initiated higher level enforcement due to missed submittals.	NO
2-0011772	WORCESTER ST HOSP	305 BELMONT ST	Gasoline vapors detected in soil near UST	RTN linked to 2-10634	DEP audit determined that RAO is invalid. DEP initiated enforcement to require additional assessment	NO
2-0012408	MA HIGHWAY MAINTENANCE YARD	403 BELMONT ST	Gasoline release to soil	RAO	DEP review determined cleanup was completed.	NO
2-0012977	FORMER STEVENS WALDEN TOOL FACTORY	475 SHREWSBURY ST	Subsurface cutting oil NAPL	RTN linked to 2-11078	DEP review determined that this RTN is being addressed under the parent RTN	NO
2-0014692	HESS STATION #21528	312 BELMONT ST	Kerosene vapors detected in soil near UST	RTN linked to 2-0666	DEP review determined that this RTN was addressed under the parent RTN	NO
2-0015067	FORMER STEVENS WALDEN	465-475 SHREWSBURY ST	PCBs detected in NAPL oil	RTN linked to 2-11078	DEP review determined that this RTN is being addressed under the parent RTN	NO

Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities Page 16 of 17

**Tiny Treasures Learning Center, 6 Warden Street (Cont.)**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0015519	MCDONALDS CORP	465-475 SHREWSBURY ST	Chlorinated solvents and metals detected in surface water near site	Unclassified	DEP review determined response actions are progressing properly	NO

**UMASS-Memorial Health Care Child Care Center, 116 Country Club Boulevard**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010011	ST JOAN OF ARC CHURCH	570 LINCOLN ST	Heating oil release from UST	RAO	DEP audit determined cleanup is adequate.	NO

**UMASS-Memorial Health Care Child Care Center, 38 Oak Avenue**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010047	MEDICAL CTR OF CTL MA W OF HOPPER ST	119 BELMONT ST	No 2 fuel oil release from UST, subsurface NAPL.	RAO	DEP audit determined cleanup is adequate.	NO

**University Commons Child Care, 378 Plantation Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010765	TROPICAL BANANA CO	350 PLANTATION ST	No 2 fuel oil release from UST	RAO	DEP audit determined that assessment was inadequate. DEP recommended a comprehensive audit.	NO
2-0013941	BIOVEST INTERNATIONAL	377 PLANTATION ST	Sudden release of 30 gallons of diesel fuel to pavement	RAO	DEP audit determined cleanup is adequate.	NO

**Webster Square Day Care Center, 1048 Main Street**

<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000347	MOBIL STATION 01 FND	1078 MAIN STREET 10 MILL ST	Leaking gasoline UST.	RAO	DEP review determined cleanup was completed.	NO
2-0010488	MOBIL	1078 MAIN ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP audit determined cleanup is adequate.	NO
2-0010632	UPPER PARKING LOT	32 CAMBRIDGE ST	Arsenic detected in soil at levels greater than the reportable concentration	RAO	DEP review determined cleanup was completed.	NO

**Table 2- Compliance Evaluation of MCP Sites Located Within 1000 Feet of Worcester Day Care and Head Start Facilities    Page 17 of 17**

<b>Webster Square Day Care Center, 1048 Main Street (cont.)</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0014642	MOBIL STATION 01 FND	1078 MAIN ST	Petroleum hydrocarbons and arsenic detected in groundwater at greater than reportable concentrations	RAO	DEP review determined cleanup was completed.	NO
<b>Worcester Comprehensive Child Care, 54 South Circuit Avenue</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0000906	CK COMPANY INC	72 COES ST	Chlorinated solvents, metals and petroleum hydrocarbons detected in soil and groundwater	TIER1D	DEP audit determined that this site is now owned by the City and is undergoing brownfields redevelopment and cleanup.	NO
2-0014384	FORMER COES KNIFE FACTORY	72 COES ST	PCBs and metals in soil at levels that could pose an imminent hazard	TIERII	DEP review determined response actions are progressing properly	NO
<b>YMCA of Central MA, One Salem Square</b>						
<i>RTN</i>	<i>Site Name</i>	<i>Street Address</i>	<i>Description of Release</i>	<i>Status</i>	<i>DEP Action / Determination</i>	<i>School Children at risk?</i>
2-0010536	BANCROFT	50 FRANKLIN ST	No 6 fuel oil release from UST	RAO	DEP review determined cleanup was completed.	NO
2-0010813	SW CORNER OF PORTLAND AND FRA	50 FRANKLIN ST	Petroleum hydrocarbons detected in groundwater	RAO	DEP review determined response actions completed.	NO
2-0010831	H GLICK AND SONS	22 PORTLAND ST	Gasoline vapors detected in soil near UST	RAO	DEP audit determined contaminant concentrations were below reportable concentrations.	NO
2-0012502	SAINT JOHNS CHURCH	40 TEMPLE ST	Fuel oil vapors detected in soil near UST	RAO	DEP review determined contaminant concentrations were below reportable concentrations.	NO
2-0015292	WORCESTER OUTLET MALLS	100-120 FRONT ST	Arsenic in soil at concentration greater than reportable concentration	RAO	DEP review determined cleanup was completed.	NO
2-0015302	NEIL SCANNELL	69 GREEN ST	Leaking gasoline UST.	RAO	DEP review determined assessment is inadequate, recommended level 3 audit.	NO

**TABLE 3**  
**Worcester Schools and Group Daycares With No MCP Sites**  
**Located Within 1000 Feet**

<b>SCHOOL NAME</b>	<b>ADDRESS</b>
BANCROFT SCHOOL	110 SHORE DR
COLUMBUS PARK	75 LOVELL STREET
DOHERTY MEMORIAL HIGH	299 HIGHLAND STREET
FLAGG STREET	115 FLAGG STREET
GRANITE STREET	120 GRANITE STREET
HEARD STREET	200 HEARD STREET
HOLY NAME CENTRAL CATHOLIC HIGH	144 GRANITE
MERCY CENTER FOR DEVELOPMENTAL DISABILITIES	25 WEST CHESTER
MILL SWAN	337 MILL STREET
NEW LUDLOW	1407A MAIN STREET
NORTH HIGH	150 HARRINGTON WAY
NOTRE DAME ACADEMY	425 SALISBURY
SOUTH HIGH COMMUNITY	170 APRICOT STREET
ST PETER MARIAN	781 GROVE
SULLIVAN MIDDLE	140 APRICOT STREET
THORNDYKE ROAD	20 THORNDYKE RD
VERNON HILL SCHOOL	211 PROVIDENCE ST
WAWECUS ROAD SCHOOL	20 WAWECUS RD
WORCESTER ARTS MAGNET SCHOOL	315 ST NICHOLAS AVE
YESHIVA HEBREW DAY ACADEMY	22 NEWTON AVE
<b>GROUP CHILD CARE NAME</b>	<b>ADDRESS</b>
ELM PARK CENTER HIGHLAND ST	284 HIGHLAND ST
FIRST FRIENDS DAYCARE	111 PARK AVE
GENTLE CIRCLE	38 GRANITE ST
GREENDALE YMCA	75 SHORE DR
GUILD OF ST AGNES GRANITE ST	133 GRANITE ST
HAPPY DAY CHILD CARE CENTER	349 MASSASOIT RD
JEWISH COMMUNITY CENTER	633 SALISBURY ST
KIDS KOUNT NURSERY SCHOOL	519 MILL ST
MAGIC YEARS PRESCHOOL DAY CARE	340 BURNCOAT STREET
MASSASOIT COMMUNITY PRESCHOOL	421 MASSASOIT ROAD
PINE HILL MONTESSORI SCHOOL	661 SALISBURY STREET
SALEM COVENANT NURSERY SCHOOL	215 WEST MOUNTAIN ST
SWEET BLOSSOMS	199 EAST MOUNTAIN STREET
WORCESTER COMPREHENSIVE CHILD CARE	160 TACOMA STREET
YMCA CENTER FOR CHILD DEVELOPMENT	100 SHORE DR
YMCA CENTER FOR CHILD DEVELOPMENT	125 HOLDEN ST
GREAT BROOK VALLEY HEAD START	35 FREEDOM WAY



## TABLE FOUR

### Major Facilities Located Within 1000 Feet of Worcester Schools and Group Child Care Centers

<i>Site Name</i>	<i>Site Address</i>	<i>Type of Facility</i>	<i>DEP Records Review</i>	<i>Conclusions</i>
Jiffy Lube	1003 Grafton Street	Automotive Maintenance Garage	Large Quantity Generator of waste oil. Not an MCP Disposal Site	No indication of any unpermitted discharges to the environment.
Allegro Microsystems	115 Northeast Cutoff	Electronics Manufacturer	Large Quantity Generator of oil and hazardous materials, Large Quantity Toxics User. MCP Disposal Site.	Releases at this site are being regulated under the MCP.
Abbott Bioresearch Center	381 Plantation Street	Biotechnology Laboratory	Large Quantity Generator of hazardous materials. Not an MCP Disposal Site.	No indication of any unpermitted discharges to the environment.
Eddington Thread Manufacturing	95 Grand Street	Manufacturing	Large Quantity Toxics User. MCP Disposal Site	Releases at this site are being regulated under the MCP.
Morgan Construction	40 Crescent Street	Construction yard, heavy equipment repair garage	Large Quantity Generator of hazardous materials. MCP Disposal Site.	Releases at this site are being regulated under the MCP.
Saint Gobain Norton	1 New Bond Street	Manufacturing	Large Quantity Generator of oil and hazardous materials, Large Quantity Toxics User. MCP Disposal Site.	Releases at this site are being regulated under the MCP.
Ecology Recovery Systems	330 Tacoma Street	Recycling	Hazardous Waste Recycler, Large Quantity Generator of hazardous materials.	No indication of any unpermitted discharges to the environment.
Charles River Laboratories	57 Union Street	Laboratory	Large Quantity Generator of hazardous materials. MCP Disposal Site.	Releases at this site are being regulated under the MCP.



**Figure 1.**  
**Environmental Justice Areas**  
**in Worcester, MA**

- Environmental Justice Area
- School
- Daycare Facility

Environmental Justice populations are defined as neighborhoods (U.S. Census Bureau census block groups) that meet one or more of the following criteria:

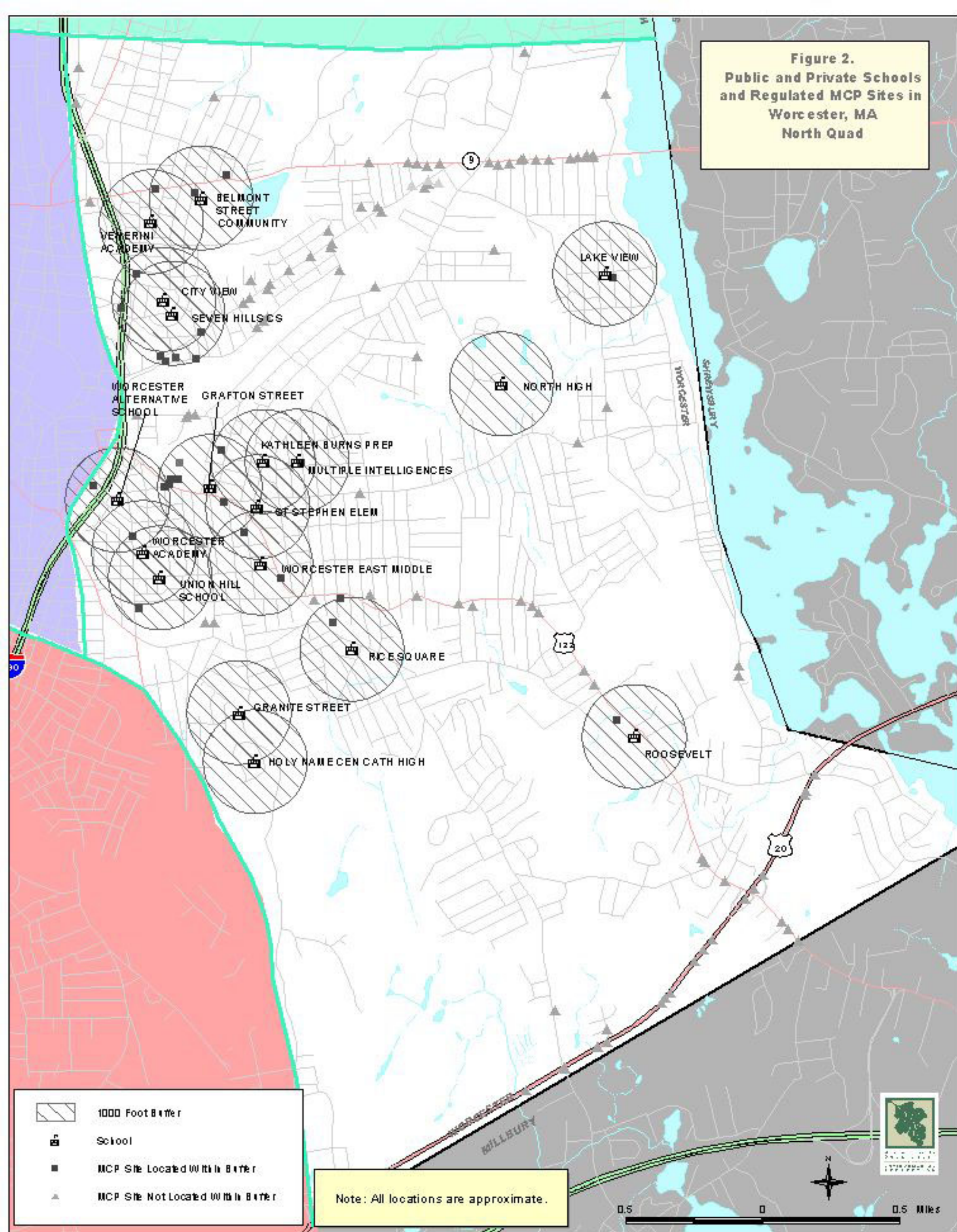
- The median annual household income is at or below 65 percent of the statewide median income for Massachusetts; or
- 25 percent of the residents are minority; or
- 25 percent of the residents are foreign born, or
- 25 percent of the residents are lacking English language proficiency.

0.5 0 0.5 Miles





**Figure 2.**  
Public and Private Schools  
and Regulated MCP Sites in  
Worcester, MA  
North Quad





1000 Foot Buffer

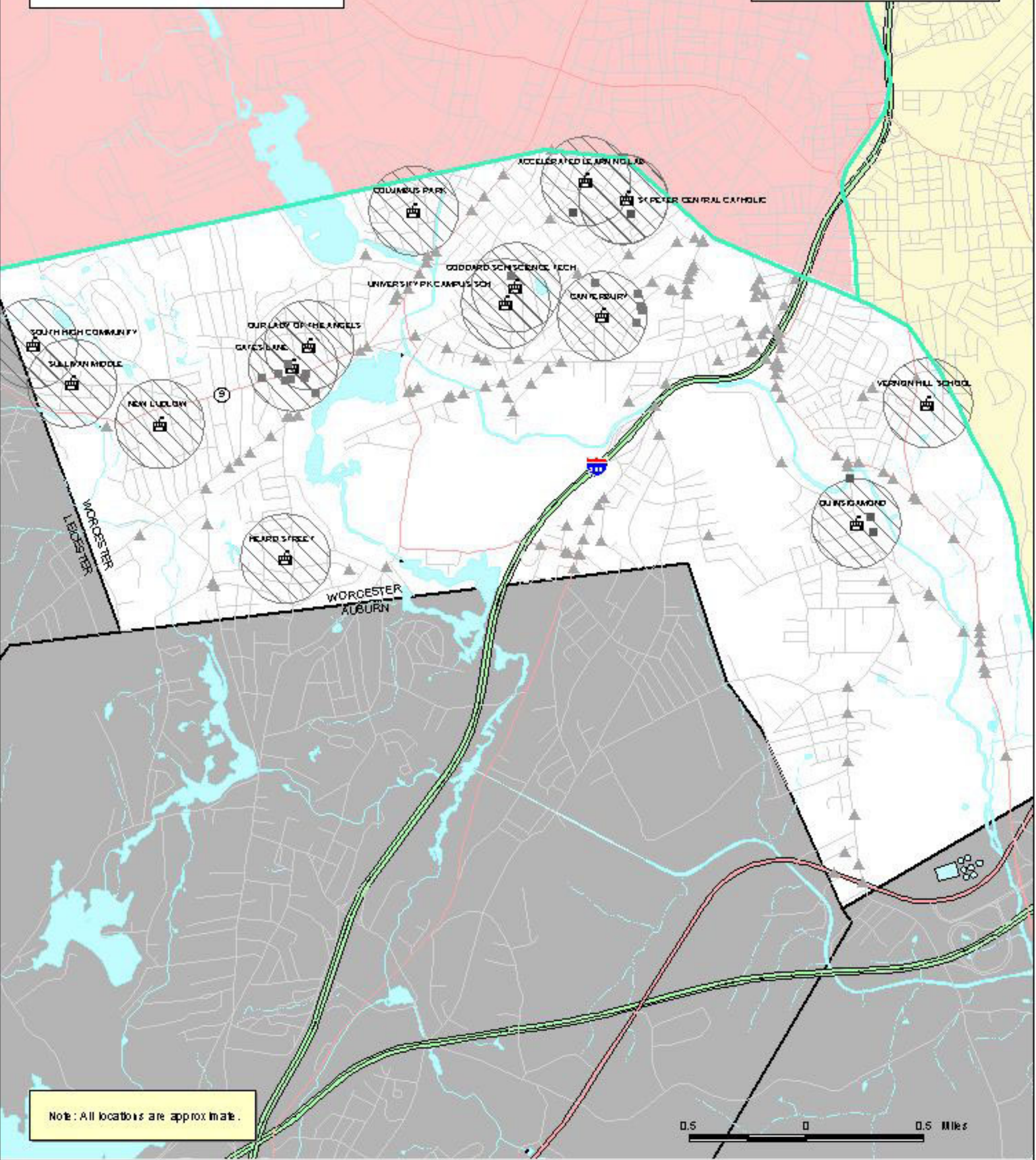
School

MCP Site Located Within Buffer

MCP Site Not Located Within Buffer



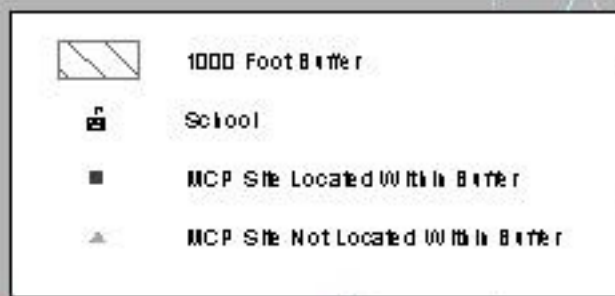
Figure 3.  
Public and Private Schools  
and Regulated MCP Sites in  
Worcester, MA  
South Quad



Note: All locations are approximate.

0.5 0 0.5 Miles

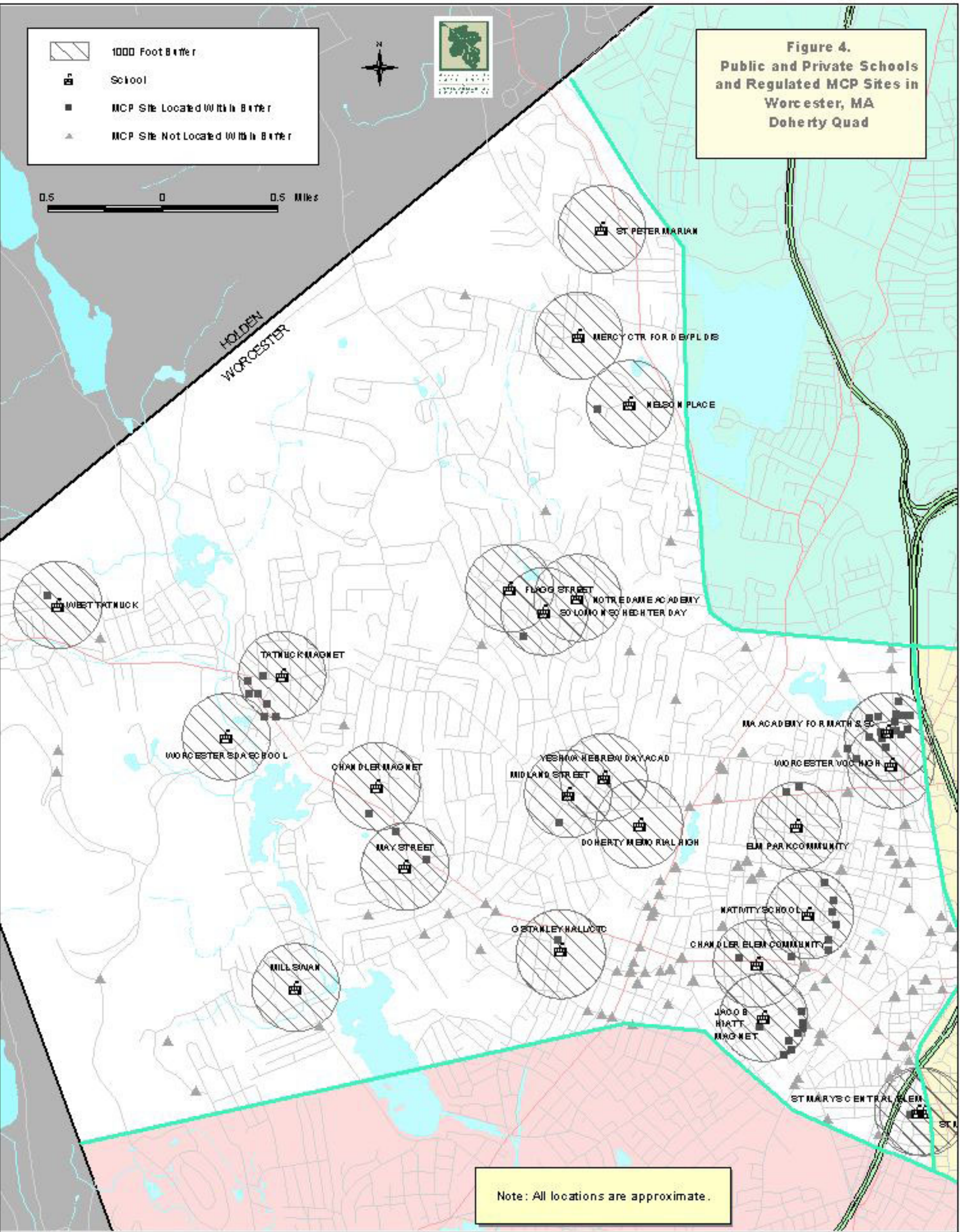




0.5 0 0.5 Miles



**Figure 4.**  
**Public and Private Schools**  
**and Regulated MCP Sites in**  
**Worcester, MA**  
**Doherty Quad**



Note: All locations are approximate.



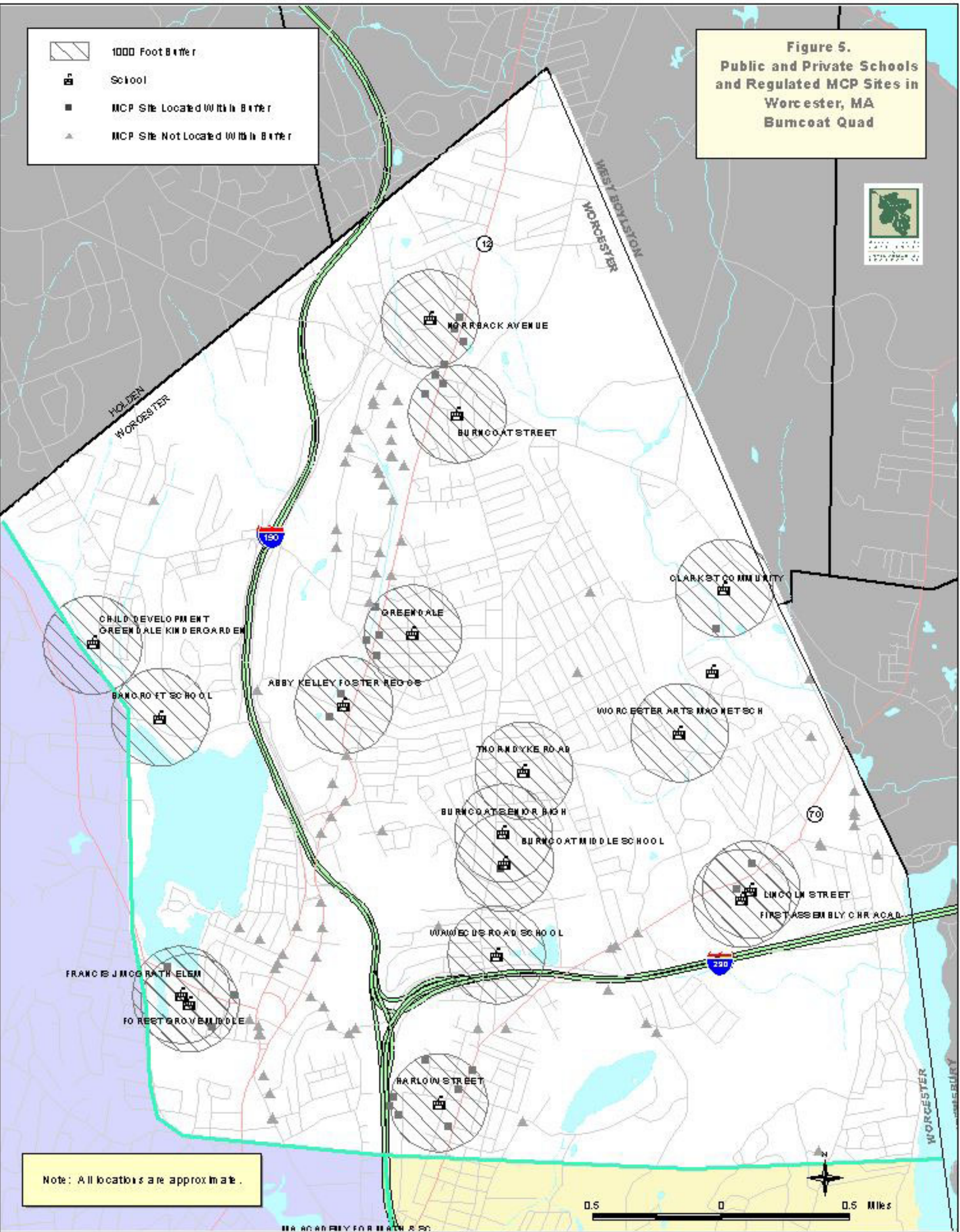
1000 Foot Buffer

School

MCP Site Located Within Buffer

MCP Site Not Located Within Buffer

**Figure 5.**  
Public and Private Schools  
and Regulated MCP Sites in  
Worcester, MA  
Burncoat Quad

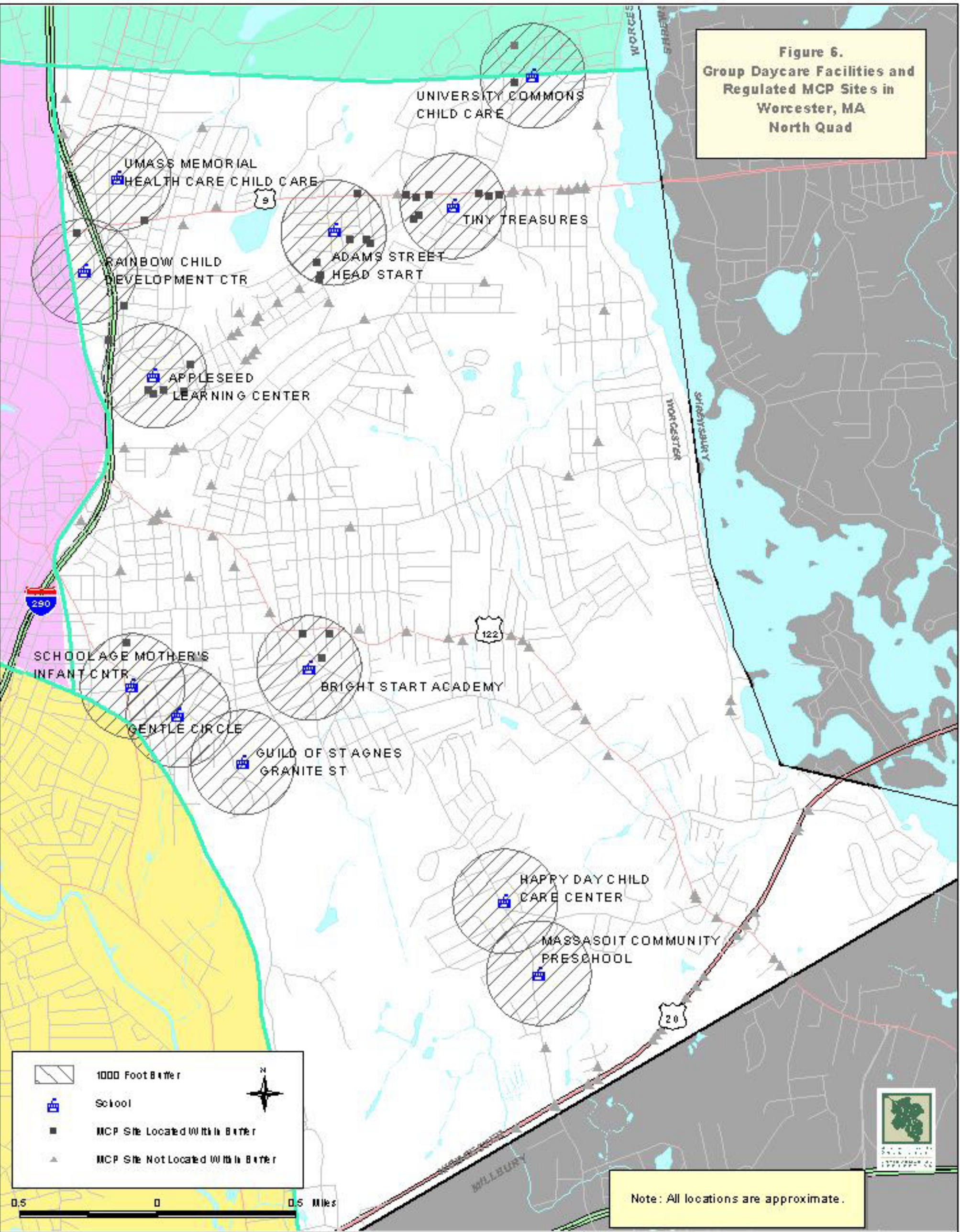


Note: All locations are approximate.





**Figure 6.**  
**Group Daycare Facilities and**  
**Regulated MCP Sites in**  
**Worcester, MA**  
**North Quad**

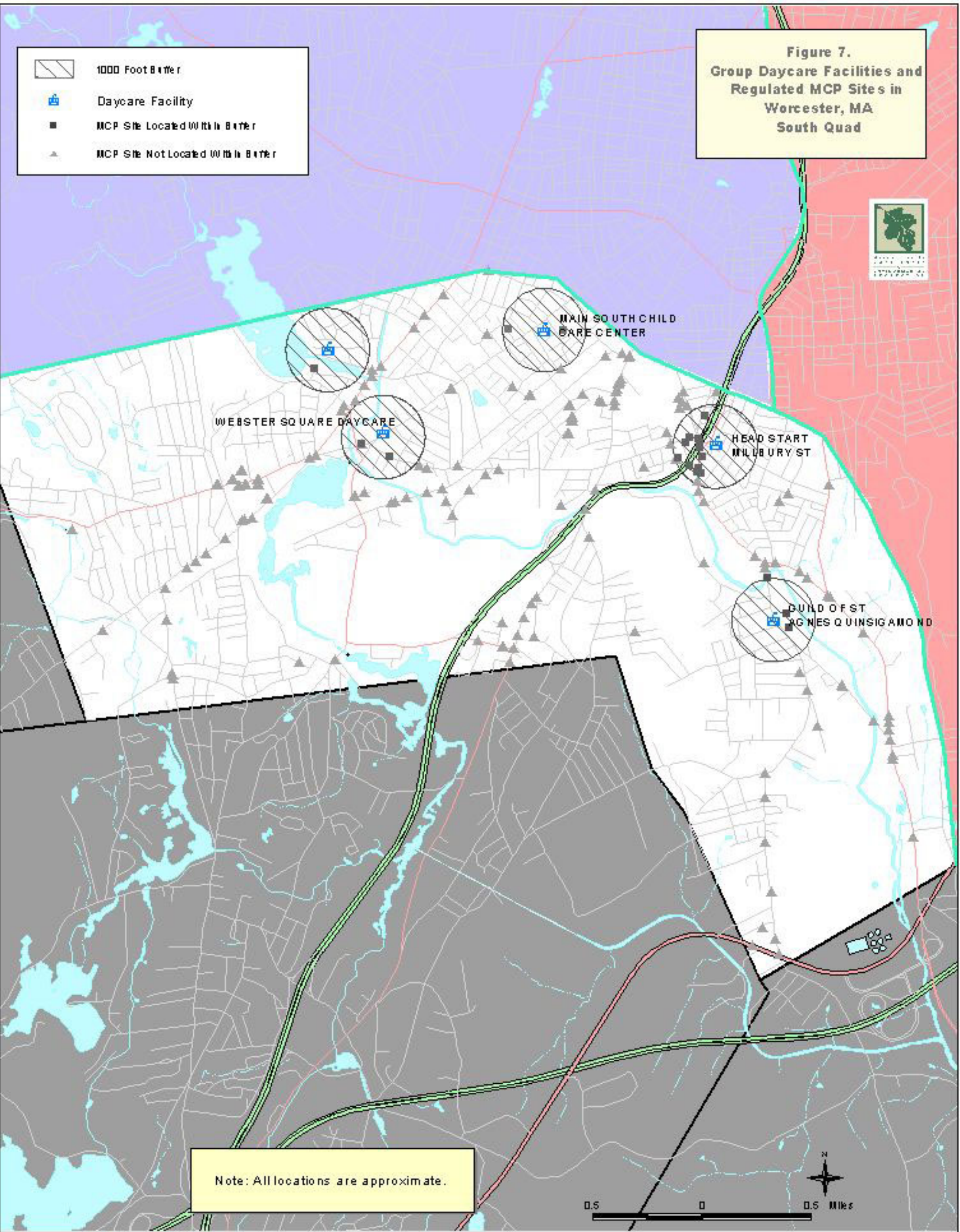


Note: All locations are approximate.



**Figure 7.**  
**Group Daycare Facilities and**  
**Regulated MCP Sites in**  
**Worcester, MA**  
**South Quad**

- 1000 Foot Buffer
- Daycare Facility
- MCP Site Located Within Buffer
- MCP Site Not Located Within Buffer



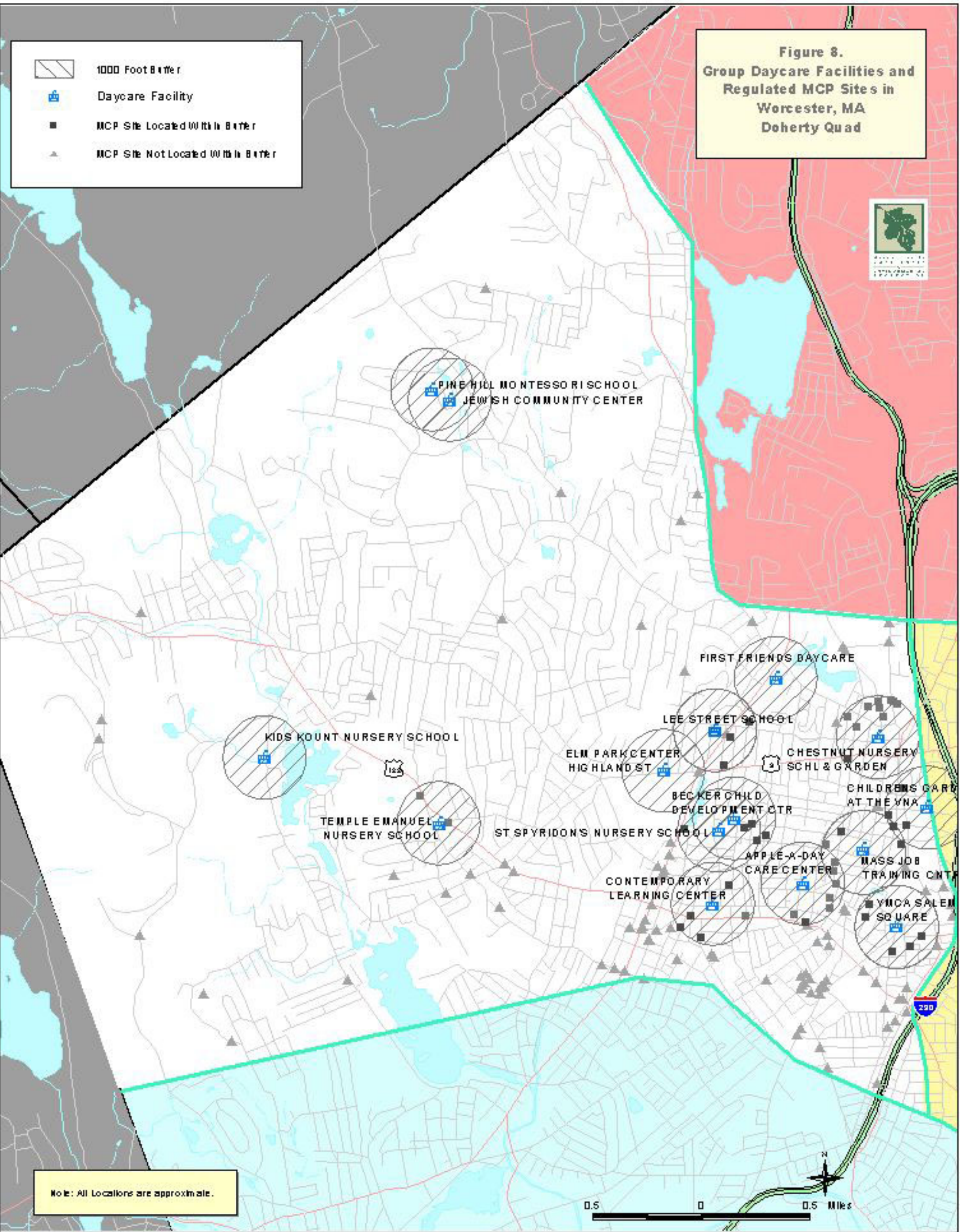
Note: All locations are approximate.





**Figure 8.**  
**Group Daycare Facilities and**  
**Regulated MCP Sites in**  
**Worcester, MA**  
**Doherty Quad**

- 1000 Foot Buffer
- Daycare Facility
- MCP Site Located Within Buffer
- MCP Site Not Located Within Buffer

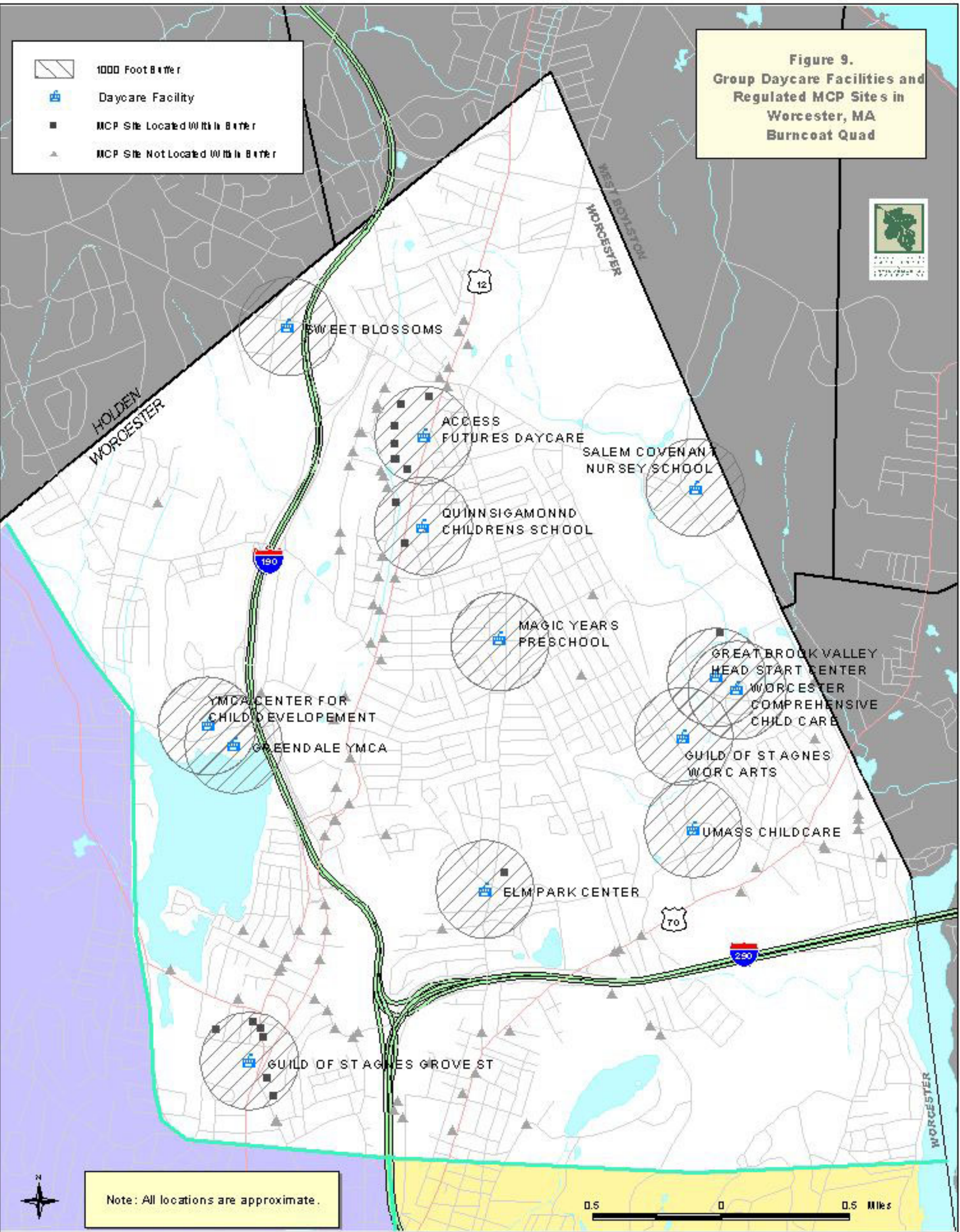


Note: All Locations are approximate.





**Figure 9.**  
**Group Daycare Facilities and**  
**Regulated MCP Sites in**  
**Worcester, MA**  
**Burncoat Quad**



Note: All locations are approximate.

0.5 0 0.5 Miles