

STATE OF CONNECTICUT

DISASTER DEBRIS MANAGEMENT PLAN, September 2008
(Annex to the State Natural Disaster Plan, 2006)

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State of Connecticut Disaster Debris Management Plan, September 2008 (Annex to the State Natural Disaster Plan, 2006)

EXECUTIVE SUMMARY

Introduction

The Connecticut Department of Environmental Protection (CTDEP) has prepared the *State of Connecticut's Disaster Debris Management Plan, September 2008* pursuant to the authorities of the Commissioner and as an annex to the *State of Connecticut's Natural Disaster Plan, 2006*. CTDEP has been working with the Connecticut Department of Emergency Management and Homeland Security (DEMHS) and other State agencies, the United States Environmental Protection Agency (EPA), the Federal Emergency Management Agency (FEMA), and Connecticut's municipalities to prepare the State in protecting the health and welfare of Connecticut's citizens in the event of a major natural disaster, such as a Category 3 hurricane. The *State's Disaster Debris Management Plan* establishes the framework for State agencies and municipalities to facilitate the proper management of debris generated by a natural disaster. Implementation of the *State's Disaster Debris Management Plan* will be coordinated through the State's Emergency Operations Center and DEMHS, utilizing State agencies working under the "General Emergency Operations, State Agency Mission Assignments, and Natural Disaster Operations" as outlined in the *State's Natural Disaster Plan*.

DEMHS considers a Category 3 hurricane as the most probable, worst-case disaster scenario facing the State. The 1938 hurricane and the flooding of 1955 that resulted from heavy rainfall associated with the remnants of two hurricanes are recorded as the worst natural disasters to strike Connecticut. Though not as strong as the 1938 hurricane, hurricanes Gloria (1985) and Bob (1991) are two of the more potent hurricanes impacting the State during the past twenty-five-year period. The 1938 hurricane produced a storm surge that was 12 to 16 feet above mean sea level and winds clocked at 120 mph. Development of the coastline in 1938 was significantly less dense than exists today. There has been an overall increase in the coastal population of approximately 33 percent between 1950 and 2000, putting more people and structures at risk of a natural disaster.

The State also recognizes that the effects of climate change will result in environmental impacts to Connecticut, especially in coastal communities. These impacts include increased annual temperatures, rising sea level, and more intense storms. Extreme rainfall events produce debris from damaged homes, roads, businesses and infrastructure. The Northeast suffered an estimated \$130 million in property damage from several intense storms in the fall of 2005 and spring 2006. Connecticut's coast has almost \$405 billion of insured coastal exposure (Source: Insurance Information Institute, 2004 figures).

Disaster Types and Debris Types Generated

The *State's Disaster Debris Management Plan* addresses natural disasters such as hurricanes, tornadoes, floods, forest fires, earthquakes, ice storms, catastrophic animal mortalities, and catastrophic vegetative waste. The types of debris resulting from such natural disasters include: green waste/vegetative debris; putrescent municipal solid waste; household hazardous waste; hazardous waste; construction and demolition debris (C&D) from structures; aggregate (fill materials); scrap metal; white goods; electronic waste; contaminated soil, silt, and sediment; animal mortalities; vehicles and boats; waste tires; and utility related debris.

Debris Modeling Projections

Using the U.S. Army Corps of Engineers (USACE) debris modeling formula, CTDEP has estimated that approximately 5.5 million tons of debris would be generated by a Category 3 hurricane. Using the HAZUS MH hurricane model, CTDEP has estimated that approximately 23 million tons of debris would be generated by a Category 3 hurricane. To put this amount of debris into perspective, the State typically processes and manages approximately 5 million tons of solid waste (both municipal solid waste and construction and demolition debris) per year.

Objectives of the State's Disaster Debris Management Plan

The objectives of the Plan are to:

- Serve as a resource for the State and as an annex to the *State's Natural Disaster Plan*, as well as to assist other State agencies and municipalities in their disaster debris management planning efforts.
- Facilitate the implementation of emergency waste management practices so as to ensure that any measures that are undertaken are consistent with protecting Connecticut's natural resources to the greatest extent possible, as well as being consistent with the *State of Connecticut's Solid Waste Management Plan, amended December 2006*. For the purposes of the *State's Disaster Debris Management Plan*, emergency waste management practices can be defined as occurring before, during and/or after a disaster event to alleviate as expeditiously as possible serious conditions which present continued threats to the health or welfare to the residents of the State.
- Qualify the State under the voluntary FEMA Public Assistance Pilot Program to benefit from the economic and program incentives offered under this Program.

Connecticut's Approach to Debris Management

Connecticut's *Disaster Debris Management Plan* functions within the framework of the *State's Solid Waste Management Plan*, in that the approach used in managing disaster debris is as follows:

- Divert as much material from disposal as possible through recycling, composting and other legitimate diversion options;
- Utilize volume reduction techniques to improve debris management efficiencies and minimize impacts on landfill capacities;
- Use Connecticut's in-state disposal capacity for disposal of disaster debris as efficiently as possible, recognizing that there is presently an in-state disposal capacity shortfall for municipal solid waste (MSW) and that most C&D waste is transferred out-of-state for disposal. Also, allow for temporary tonnage increases at permitted in-state solid waste facilities on an emergency basis;
- Rely on permitted Transfer Stations to transfer waste that cannot be diverted from disposal (recycling, composting, other) to waste handling facilities out-of-state for disposal;
- Rely on permitted Volume Reduction Facilities to reduce and transfer waste that cannot be diverted from disposal to waste handling facilities out-of-state for disposal;
- Consider alternative technologies for managing portions of the debris waste stream, in-state or out-of-state (i.e., biomass facilities); and
- Use approved Temporary Debris Storage and Reduction Sites (TDSRS) for processing debris for recycling and disposal.

Roles and Responsibilities

Federal: There are a number of federal agencies invested with varying authorities for debris management activities. These agencies include the U.S. Department of Homeland Security, FEMA, USACE, the Federal Highway Administration, EPA, U.S. Coast Guard (USCG), and Departments of Agriculture, Commerce, and Transportation. The Robert T. Stafford Emergency Relief and Disaster Assistance Act (PL 93-288, as amended, and referred to as *the Stafford Act*) is the federal legislation that created a national program for disaster preparedness, response, recovery, and mitigation. This Act constitutes the statutory authority for most federal disaster response activities, especially as they pertain to FEMA and FEMA programs.

FEMA, in coordination with State and local governments, is conducting a Public Assistance (PA) Pilot Program designed to reduce the federal costs of administering the PA Grant Program, increase flexibility in administering the PA Grant Program, and expedite the much needed recovery dollars to the Program's applicants following disasters. State, local, and tribal governments can participate in this voluntary Program. The Program is applicable to debris removal and the repair, restoration, and replacement of damaged facilities. This Program began in June 2007 and continues through the end of 2008. The incentives include:

- FEMA will provide an additional five percent federal cost share, not to exceed 100 percent, to *applicants that have a FEMA approved debris management plan and at least two pre-qualified debris and wreckage removal contractors identified prior to a disaster.*
- FEMA will allow an applicant to retain any revenue from the salvage value of recyclable disaster debris as an incentive to recycle debris.
- FEMA will reimburse the straight or regular time salaries and benefits of an applicant's permanently employed staff that performs debris-related activities.
- FEMA will provide grants on the basis of estimates for large projects up to \$500,000.

More information about this FEMA Public Assistance Pilot Program can be accessed at the FEMA website at: <http://www.fema.gov/government/policy/papilot.shtm>

State: There are a number of key State Agencies that are responsible for some aspect of disaster debris management and these are listed below with a summary discussion (as set forth in the *State's Natural Disaster Plan*, also referred to in this document as *NDP*):

- DEMHS – is responsible for coordinating emergency response during major natural disasters including the management and direction of State resources. In the *State's Natural Disaster Plan*, State agencies are given *mission assignments* and assigned tasks under certain *natural disaster operations*. The *State's Natural Disaster Plan* is implemented by the order of the Governor. Whenever the Governor orders implementation of this Plan, the State Emergency Management and Homeland Security Commissioner shall activate the State Emergency Operations Center (EOC) and request representation in the State EOC by appropriate state, federal and private response agencies. (*NDP*, p.iv)
- CTDEP – is responsible for advising State and local officials on the proper disposal of debris; making determinations regarding open-burning waivers; identifying suitable sites for large-scale open-burning operations and land-filling of non-burnable, unsalvageable disaster debris, should such sites be needed; removing debris from all CTDEP owned land; and acting as a support agency for local debris management operations and debris management operations of Connecticut's

Department of Transportation (ConnDOT). The enlistment of any CTDEP personnel and equipment needed to assist local debris removal operations will be coordinated through DEMHS. (*NDP*, p.O-1, Section 2-C). In addition to these responsibilities as listed in the NDP, the CTDEP is responsible for identifying and permitting TDSRS.

- Connecticut Department of Transportation – is responsible for clearing and/or removing wreckage and debris from State owned or maintained roadways and transportation facilities. (*NDP*, p.O-1, Section 2-B)
- Connecticut National Guard – The Connecticut National Guard, State Military Department, if available, may be activated by the Governor to support local and/or state civil preparedness forces. In such an event, however, it would complement and not substitute for other state and local forces in emergency operations. The Connecticut National Guard is a support agency for debris management and will assist other State and local debris management forces as necessary. Enlistment of National Guard forces to assist with debris management operations will be coordinated through DEMHS. (*NDP*, p.O-2, Section 2-D; B-2, GEOC-7)
- Department of Public Works (DPW) – is responsible for assessing the impact of a disaster upon state buildings and developing and submitting to DEMHS such written impact assessment reports as it may require; providing damage assessors as requested by DEMHS to serve on joint federal/state damage assessment teams to assess municipal property damage in selected communities. (*NDP*, p.C-13, Section 29-a)
- Department of Administrative Services (DAS) – is responsible for issuing state contracts for relief supplies, equipment, and services, as needed. (*NDP*, p.C-1, Section 2-d)
- Other State Agencies – Agriculture; Labor, Motor Vehicles; Public Health; Public Safety.

Local governments: Each municipality is required to make provisions for the safe and sanitary disposal of all solid wastes generated within its boundaries (Connecticut General Statutes (CGS) Section 22a-220) and to make provisions for the separation, collection, processing, and marketing of designated recyclables generated within its boundaries (CGS Section 22a-220(f)). Local governments are responsible for the removal of debris from municipally owned lands and waters. Local governments will be the first to respond to a disaster situation and it is incumbent upon the municipalities to plan for effective debris removal. Key elements include: planning, mobilizing, organizing, and controlling a large-scale debris clearance, removal and disposal/recycling operation. Each municipality should identify potentially suitable TDSRS, identify labor and heavy equipment resources available for debris removal, and designate a command structure for debris removal operations. Each municipality should prepare a Disaster Debris Management Plan. Under FEMA's voluntary PA Pilot Program that provides financial incentives for *an additional five percent* federal cost share (not to exceed 100%) for those participating, municipalities must have their Disaster Debris Management Plan approved by FEMA Region 1 prior to a disaster event occurring.

Pre-event Preparation, Planning and Operations

All activities associated with massive debris clearance, removal, and disposal activities depend upon pre-event preparation and planning, and efficient operations. Important components include: separate contracts in-place for debris removal and the monitoring of debris removal contractors' day-to-day operations; the identification of TDSRS; and Phase 1 and Phase 2 Cleanup operations. Summaries for each are provided below:

Contracts:

State contracts: The State has established pre-need and pre-event contracts through the State Procurement Services/Contract Award process to assist the State in Disaster Debris Management Preparedness. The contracts will be activated only by the Governor as the result of an emergency declaration. These contracts assure the immediate availability of coordinated debris removal support following a debris-producing incident. The State has in place professional services for *debris removal operations* and *debris monitoring* that could be utilized on an as-needed basis. The State has been divided into five Assigned Debris Control Zones. These zones are the same as the five Emergency Management Regions as defined by DEMHS. This demarcation makes for a more efficient and effective response and recovery effort because of a number of factors, most importantly, the ability of the municipalities to work through their DEMHS Regional Coordinator in formally requesting State assistance. During emergencies, these Regional Coordinators serve as mutual aid coordinators and communication links between towns and the State EOC. The contracts are to work as follows: the contracts will be administered at the sole discretion of the State; municipalities may request, through the State's Emergency Operations Center, to be included in the Assigned Debris Control Zones in the event of a catastrophic natural disaster; and the State, through the contractor(s), will assume the lead role in performing clean-up operations and in seeking FEMA Public Assistance Funding.

Municipal contracts: City and town governments are responsible for all peoples and properties within their boundaries and jurisdictions to the limits of their resources. To assure rapid response, it is prudent for municipalities to have in place a short-term Time and Materials Contract limited to the maximum of 70 hours of actual work in compliance with FEMA guidance. After that point, longer-term contracts must be competitively bid on a unit price basis or municipalities may request that the State assume the responsibility to remove the debris from within their town boundaries. The State will respond to municipal requests to the extent State resources are available. The State recommends that municipalities have a Disaster Debris Management Plan for their jurisdiction, preferably approved by FEMA prior to a declared disaster.

Temporary Debris Storage and Reduction Sites (TDSRS)

It is important to have TDSRS pre-identified and ready for use in the event of a disaster event. Debris management guidance from the USACE and FEMA strongly recommends that both State and local governments be responsible for pre-identifying TDSRS, preferably on public property. This will allow post-disaster cleanup efforts to begin quickly and efficiently. It can be expected that Connecticut's solid waste management infrastructure will be quickly overwhelmed during a catastrophic natural disaster, such as a Category 3 hurricane. The TDSRS serve as the additional space needed to accommodate the debris generated. In addition, these sites provide a place to segregate and process the waste subject to the State's solid waste management hierarchy that mandates recycling as the preferred approach to managing the waste stream. The CTDEP will issue permits for the TDSRS.

Two Phases of Clean-up

The debris management strategy for the State can be divided into two phases. Phase 1 is the initial response and consists primarily of clearing the debris that hinders immediate life saving actions and that poses an immediate threat to public health and safety. Phase 2 consists of removing, segregating, and disposing of the debris that hinders the orderly recovery of the community and poses less immediate threats to health and safety. The State contracts may be initiated as early as Phase 1 if it is determined that the storm event may overwhelm State and local emergency response resources. A summary of Phase 1 and 2 follows:

- Phase 1 typically occurs during the first 24 to 72 hours following an event. The State, working together with the municipalities, will clear major state and local roads.

- Roadway debris will be moved to the side of the road to provide access into devastated areas. In this first phase, no attempt is made to remove, segregate or dispose of the debris; it is only to provide debris clearance.
- Phase 2 is implemented within two to five days following a major debris-generating event and will encompass the process of debris removal and disposal. This delay is normal and allows time for affected citizens to return to their homes and begin the cleanup process. As the major storm event approaches Connecticut, the State will be in contact with the pre-qualified contracting firm(s) for Disaster Debris Management Services (Removal) to advise them of impending conditions, as well the pre-qualified contracting firm for the Monitoring of the Debris Removal Operations.

Federal - Financial, Direct and Technical Assistance

When the response and recovery efforts are beyond the capacity of both the municipalities and the State, the Governor may request federal assistance, in the form of a Presidential Disaster Declaration. FEMA evaluates the request and recommends to the President the type of federal assistance that is warranted. Assistance is usually provided in the form of financial reimbursement of a portion of the disaster related costs (usually a 75 percent/25 percent cost share). FEMA can also provide direct and technical assistance. It is prudent to be familiar with FEMA eligibility and reasonable costs guidelines during the planning stage in order to appropriately plan for critical issues such as contracting, monitoring and preparing appropriate documentation to support requests for funding. FEMA and the Public Assistance Program are governed by the Stafford Act (Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended, 42 U.S.C. 5121 et seq.) and regulations provided in Title 44 of Code of Federal Regulations (44 CFR). These laws and regulations provide the criteria for determining eligibility of debris activities for reimbursements. This includes: Stafford Act, Sections 403, 407, 502; Title 44 CFR, Sections 206.224, 206.225; and FEMA Policies.

The *State's Disaster Debris Management Plan* will be submitted to FEMA Region 1 for approval per the requirements under the federal FEMA PA Pilot Program. The approval is being sought for the purpose of qualifying the State to receive an additional five percent Federal cost share for debris removal, as well as other benefits offered under this Program.

CHAPTER 1 INTRODUCTION

1.1 Purpose of the Plan

The State of Connecticut's Department of Environmental Protection (CTDEP) has prepared this *Disaster Debris Management Plan* (the Plan) pursuant to the authorities of the Commissioner and as an annex to the *State of Connecticut's Natural Disaster Plan, dated 2006*. This *Disaster Debris Management Plan* establishes a framework for State agencies and municipalities to facilitate the proper management of debris generated by a natural disaster. The goal is to facilitate prompt and efficient recovery through emergency waste management practices that are both reasonable and cost-effective and, at the same time, are protective of human health and the environment. Implementation of the *Disaster Debris Management Plan* will be coordinated through the State's Emergency Operations Center (EOC) and DEMHS utilizing State agencies working under the "General Emergency Operations, State Agency Mission Assignments, and Natural Disaster Operations" as outlined in the *State's Natural Disaster Plan*.

Types of Natural Disasters: This Plan addresses natural disasters such as hurricanes, tornadoes, floods, forest fires, earthquakes, ice storms, catastrophic animal mortalities, and catastrophic vegetative waste. Natural disasters precipitate a variety of debris that includes, but is not limited to, trees, stumps, construction and demolition materials, vehicles and other personal property, putrescent food waste, and soil, silt and sediment. DEMHS considers a Category 3 hurricane as the most probable, worst-case disaster scenario facing the State. Depending on the type and magnitude of the disaster, the debris field can extend for miles over a large area and be extremely difficult to manage because of the variety and intermingling of the various debris types. While the Plan is written to address natural disaster events, it may also serve as guidance to managing debris resulting from man-made disasters.

Objectives: The objectives of the State's *Disaster Debris Management Plan* are to:

- Serve as a resource for the State and as an annex to the State's Natural Disaster Plan, as well as to assist other State agencies and municipalities in their disaster debris management planning efforts.
- Facilitate the implementation of emergency waste management practices so as to ensure that any measures that are undertaken are consistent with protecting Connecticut's natural resources to the greatest extent possible, as well as being consistent with the *State of Connecticut's Solid Waste Management Plan, amended December 2006*. For the purposes of the *State's Disaster Debris Management Plan*, emergency waste management practices can be defined as occurring before, during and/or after a disaster event to alleviate as expeditiously as possible serious conditions which present continued threats to the health or welfare to the residents of the State.
- Qualify the State under the voluntary FEMA Public Assistance Pilot Program to benefit from the economic incentives offered under this Program.

Key lessons learned: In June 2006, EPA Region 1 sponsored a Debris Management Workshop that identified key lessons learned from emergency response personnel engaged in the aftermath of hurricanes Katrina and Rita. These included the following:

- *Curb side debris segregation and collection contracting strategies is the key to cost effective debris management.* Debris management plans need to address a very broad range of debris types. Pre-identification of collection methods and areas and ultimate disposition methods and locations should be established for each waste type. Pre-

- placed contracts should be considered, particularly for disaster prone areas. State debris management plans should provide the framework to ensure that local and regional participants understand and consider this critical point.
- *Debris segregation, collection, transport, and disposal operations need to be well coordinated among local, state, FEMA, USACE, and EPA response personnel to ensure efficient use of resources and avoid duplication of efforts.* Multiple agencies and contractor personnel will have a role in the removal and management of debris. The specific capabilities of each agency and their expected role in debris management should be identified in state debris management plans. During a disaster response, debris management strategies and operations in the field should be implemented via a unified, multi-agency command, or task force.
 - *Stafford Act regulations and the FEMA mission assignment process and procedures need to be understood by both state emergency response and state emergency management authorities as well as by the federal National Response Plan agencies.* As one important example, FEMA only reimburses for operations conducted fully in accordance with federal regulations. States and communities need to factor this into their management plans. Mission assignment templates for typical response activities should be developed, agreed upon, and exercised in advance to avoid the need for drawn out negotiations on funding eligibility during an emergency.
 - *State agencies in charge of debris management should establish and maintain close working relationships with National Emissions Standards for Hazardous Air Pollutants (NESHAPS) ACM regulatory personnel for timely assistance during emergencies.* Asbestos Containing Materials (ACM) presents many unique challenges due to the complexity of the NESHAPS regulations and ACM's ubiquitous nature in older residential and other building construction.
 - *Plans for communications with impacted residents and businesses should be developed in advance and should employ a variety of alternative and redundant techniques.* Normal channels for communication with affected residents and businesses for dissemination of information about curbside debris segregation will likely be severely compromised during an emergency. Handouts providing information on residential and business cleanup and waste stream segregation should be distributed at local shelters and state and FEMA disaster recovery centers.

Outline of State's Disaster Debris Management Plan: The Plan is based on guidance provided by FEMA (www.fema.gov), EPA (www.epa.gov), USACE (www.usace.army.mil/), and recent lessons learned from the destructive hurricanes in the gulf coast states in 2004 and 2005. The Plan outlines the CTDEP's processes to consider, approve or disapprove requests for authorizations, variances, and waivers as needed for rapid and environmentally sound waste management, specifically with regard to managing the natural-disaster debris waste stream. In addition, this Plan outlines debris monitoring roles and responsibilities, and presents an overview of eligible federal reimbursable costs resulting from debris clean up and monitoring. State government agencies and municipalities will be the primary users of this Plan. Municipalities in particular, can make use of the information for planning pre-positioned contracts with waste haulers, as well as identifying disaster TDSRS that may be called into use during disaster recovery operations. Much of the information will also be useful to the waste management industry as they develop their own in-house plans for participating in a potential disaster recovery scenario.

Two Phases of Clean Up (large scale debris clearance; removal and disposal management): There are two phases to debris clearance, removal and disposal activities. Phase 1 typically occurs during and immediately after the event and is commonly referred to as the first 72 hours. Phase 1 consists of clearing

the debris that hinders immediate life saving actions and that poses an immediate threat to public health and safety.

Phase 2 will be implemented within two to five days of the event and consists of removing and disposing of the debris that hinders the orderly recovery of the community and poses less immediate threats to health and safety, activating pre-positioned contracts and notifying citizens of debris removal procedures. This Plan outlines the interaction of State government with local governments and the federal government under these two phases of operations. State and local governments have principal responsibility for coordinating and managing debris removal operations. If State and/or local governments lack the capability to initiate coordinate and manage debris removal operations following a major natural disaster, then the State can request federal assistance.

Pre-event Preparation and Planning - Contracts: State and local governments must plan for and expect to manage debris removal operations following a major natural disaster. Federal assistance is designed only to address situations where the level of debris is catastrophic in scale, or where the capabilities of the State and/or local government to effectively manage such operations are overwhelmed. State and local governments are expected to establish pre-event contracts and/or arrangements with local or regional debris removal contractors, to assure the immediate availability of coordinated debris removal support following a debris-producing event. Emergency recovery operations will be carried out: principally by local forces (that may be supported by intrastate mutual aid); then State forces (that may be supported by interstate mutual aid); and, then if needed and requested through FEMA, federal forces.

In June 2007, FEMA implemented a Public Assistance (PA) Pilot Program. This program is scheduled to continue through to the end of 2008. The PA Pilot Program is based on voluntary participation and on a project-by-project basis. Only State, local and tribal governments (all considered as the applicant) can participate in the PA Pilot Program. The PA Pilot Program addresses: increased federal cost share incentive; debris recycling; Category A, Force Account labor; and grants for certain large projects based on estimates. To qualify for the increased federal share (an additional five percent federal cost shares for Category A – debris removal): FEMA must approve the applicant's debris management plan; and the applicant must have pre-qualified two or more debris and wreckage removal contractors.

When a natural disaster event occurs that produces large amounts of debris, effective coordination is required between the PA applicant (in this case the State) and FEMA to ensure that debris removal operations are efficient, effective, and eligible for FEMA PA grant funding. PA applicants must monitor debris removal operations and document eligible quantities and reasonable expenses to ensure that the work is eligible for PA grant funding. Failure to do so properly may jeopardize this funding.

The following describes the types of pre-event contracts that should be in place by the State and municipalities: one contract should be to provide for debris removal operations and the other contract should be to provide for the monitoring of debris cleanup activities as undertaken by the contractors retained under the debris removal operations contract.

- *State Contracts:* To better position the State so as to manage natural disaster events, the CTDEP worked in conjunction with a number of other State agencies to develop pre-need and pre-event contracts through the State Procurement Services/Contract Award process. These contracts were prepared pursuant to CGS Title 4a, Chapter 58 - Purchases and Printing.

The State of Connecticut has established pre-need, pre-event contracts to assure the immediate availability of coordinated debris removal support following a debris-producing incident. The State has established a contract that list qualified service providers that could be utilized on an as-needed basis for *debris removal*. In

addition, the State has established a separate contract that covers *monitoring* of those contractors engaged by the State in disaster debris removal operations.

These State contracts are:

- ***Monitoring:*** *Disaster Debris Monitoring Services for the State of Connecticut; Contract No. 08PSX0028AA. Contractor – Beck Disaster Recovery, Inc. Contract Period – June 17, 2008 through June 30, 2011.*
- ***Removal:*** *Disaster Debris Management Services for the State of Connecticut. Contract No. 08PSX0027 AA and AB. Contractors – Ash Britt, Inc.; and Phillips & Jordan, Inc. Contract Period – August 20, 2008 through July 31, 2011.*

These contracts can be accessed through the CT DAS State Contracting Portal at:
http://www.das.state.ct.us/Purchase/Portal/Portal_Home.asp

The State recognizes the importance of establishing health and safety strategies for government and contractor personnel so as to avoid accidents during recovery operations and to protect workers from exposure to hazardous materials. In developing the State contracts for debris removal operations and monitoring, conditions have been set forth that outlines worker safety. Health and Safety is a component of the Debris Removal Contractor's required submittal of a Management and Operations Plan for the disaster debris event. The State's Department of Labor's Division of Occupational Safety and Health enforces occupational safety and health standards in the public sector and will assume the lead role in evaluating contractor(s) Accident Prevention Program Plans. Monitoring for compliance and identifying specific corrective actions to be taken if minimum safety standards are not met will be coordinated by CONN-OSHA with all other stakeholders.

The State will be seeking FEMA's approval of the *State of Connecticut's Disaster Debris Management Plan* to qualify for the increased federal cost share under the PA Pilot Program and other incentives under this Program.

- ***Municipal Contracts:*** City and town governments are responsible for all peoples and property within their boundaries and jurisdictions to the limits of their resources. Each municipality is required to make provisions for the safe and sanitary disposal of all solid wastes generated within its boundaries (CGS Section 22a-220) and to make provisions for the separation, collection, processing, and marketing of designated recyclables generated within its boundaries (CGS Section 22a-220(f)). The State is recommending that local governments prepare their own Disaster Debris Management Plan so as to be better prepared to manage disaster debris within their jurisdictions. The State also recommends that these plans be approved by FEMA, so that the municipality can receive the financial incentives offered by the PA Pilot Program. Based on FEMA guidance, it is recommended that municipalities have in place a Time and Materials Contract that would be limited to the first 70 work hours of response. After that point, the contracts must be competitively bid on a unit price basis or municipalities may request State assistance in removing debris from within their town boundaries. Like the State, municipalities should have pre-qualified two or more debris and wreckage removal contractors before a disaster event occurs. The *State's Natural Disaster Plan* outlines the process that requires local governments to submit situation reports to the appropriate DEMHS Regional Office

whenever requested to do so by DEMHS, or when emergency operations are undertaken. Local officials are requested to use DEMHS *Form 233 (Rev. 5/05) State of Connecticut Local Government Situation Report*. It is also the format for initial requests for State assistance. The senior official in charge of the municipal Emergency Operations Center is responsible for ensuring the report is submitted to the appropriate DEMHS Regional Office. The DEMHS Regional Office will transmit the local government situation reports to the DEMHS Operations Section of the State EOC, where the reports will be acted upon by staff in EOC. (*NDP*, O-3, Sec. 5).

1.2 Authorities

1.2.1 Federal Authorities

There are a number of federal agencies invested with varying authorities for debris management activities. These agencies include the U.S. Department of Homeland Security, FEMA, USACE, the Federal Highway Administration, EPA, USCG, and Departments of Agriculture, Commerce, and Transportation. The Robert T. Stafford Emergency Relief and Disaster Assistance Act (PL 93-288, as amended, is commonly referred to as the *Stafford Act*) is the federal legislation that creates a national program for disaster preparedness, response, recovery, and mitigation. This Act constitutes the statutory authority for most federal disaster response activities especially as they pertain to FEMA and its programs. In April 2007, the Stafford Act was amended and changes are effective for emergencies or major disasters declared on or after October 2006. For more information on this Act, access the FEMA website at: <http://www.fema.gov/about/stafact.shtm>

Financial, direct and technical assistance: When the response and recovery efforts appears to be beyond the capacity of both the State and municipalities, the Governor may request federal assistance, in the form of a Presidential Disaster Declaration. FEMA evaluates the request and recommends to the President the type of federal assistance that is warranted. Assistance is usually provided in the form of financial reimbursement of a portion of the disaster related costs (usually a 75 percent/25 percent cost share). FEMA can also provide direct and technical assistance. It is prudent to be familiar with FEMA eligibility and reasonable costs guidelines during the planning stage in order to appropriately plan for critical issues such as contracting, monitoring and preparing appropriate documentation to support requests for funding. FEMA and the PA Program are governed by the law defined in the Stafford Act and regulations provided in Title 44 of Code of Federal Regulations (44 CFR). These laws and regulations provide the criteria for determining eligibility of debris activities. This includes: Stafford Act, Sections 403, 407, 502; Title 44 CFR, Sections 206.224, 206.225; and FEMA Policies.

Compliance with the National Incident Management Systems (NIMS): NIMS provides a consistent nationwide approach for federal, state, local government, private sector and non-governmental organizations to work together to prepare for, respond to, and recover from domestic incidents, regardless of cause, size, or complexity. Connecticut's *Disaster Debris Management Plan* is NIMS compliant because it takes into account three key organizational systems: the Incident Command System (the State is run using ICMs), the multi-agency coordination system, and the public informational system. The Plan will be implemented to comply with the NIMS approach in cooperation with other State and federal agencies, as well as the municipalities.

1.2.2 State Authorities

CGS Title 28, Chapter 517 provides the authority for the State and its political subdivisions to prepare for and respond to natural disasters and other emergencies. Connecticut's emergency management program, developed under the authority of CGS Title 28, complies with the federal program established by the Federal Stafford Act. In addition, CGS Title 28, Chapter 518 Section 28-23a entitled *Emergency*

Management Assistance Compact provides for mutual assistance between the states entering into this compact in managing any emergency or disaster that is duly declared by the Governor of the affected State.

With regard to debris management, the following legal citations from Title 28 that are most relevant include:

- §28-7(f): “In the event of a serious disaster or sudden emergency, when such action is deemed necessary for the protection of the health and safety of the people, and upon the request of the local chief executive authority, the Governor or the Commissioner [of the Department of Emergency Management and Homeland Security] . . . may authorize the temporary use of such civil preparedness forces . . . as he deems necessary. Personnel of such civil preparedness forces shall be so employed only with their consent.”
- §28-8a (a): “The chief executive officer of the municipality in which a major disaster or emergency occurs, or his designee, may take such action as he deems necessary to mitigate the major disaster or emergency, and to secure and preserve any documents and evidence pertinent to and necessary for a future investigation.”
- §28-9: In the event of, among other things, a serious disaster, the Governor may declare that a state of civil preparedness emergency exists. Once this declaration is made, the Governor has a number of significant powers, including the following:
 - §28-9(a)—the Governor may “modify or suspend in whole or in part, by order . . . any statute, regulation, requirement or part thereof whenever in his opinion it is in conflict with the efficient and expeditious execution of civil preparedness functions.”
 - §28-9(b)—the Governor may “order into action all or any part of the department or local or joint organizations for civil preparedness mobile support units or any other civil preparedness forces.”
 - §28-9(d)—the Governor may “designate such vehicles and persons as shall be permitted to move and the routes they shall follow.”
 - §28-9(g)—the Governor may “take such other steps as are reasonably necessary in the light of the emergency to protect the health, safety and welfare of the people of the state, to prevent or minimize loss or destruction of property, and to minimize the effects of hostile action.”
- §28-9c (a): Governor’ Powers Re Removal of debris or wreckage.
Whenever the Governor has declared a disaster emergency, or the President, at the request of the Governor, has declared a major disaster or emergency to exist in Connecticut, the Governor is authorized (1) “Notwithstanding any other provision of law, through the use of state departments or agencies, or the use of any of the state’s instrumentalities, to clear or remove from publicly or privately owned land or water, debris and wreckage which may threaten public health or safety, or public or private property; (2) to accept funds from the federal government and utilize such funds to make grants to any political subdivision for the purpose of removing debris or wreckage from publicly or privately owned land or water.”
BUT— §28-9c (b) (1): “Authority under this section shall not be exercised unless the affected political subdivision, corporation or individual owning such property shall first present an unconditional authorization for removal of such debris or wreckage from public and private property and, in the case of removal of debris or wreckage from private property, shall first agree to indemnify the state against any claim arising from such removal; (2) whenever the Governor provides for clearance

of debris or wreckage pursuant to subsection (a), employees of the designated state agencies or individuals appointed by the state are authorized to enter upon private land or waters and perform any tasks necessary to the removal or clearance operation.”

- §28-11: During the existence of a civil preparedness or public health emergency, the Governor may, in the event of shortage or disaster making such action necessary for the protection of the public, take possession of, among other things, “any land or buildings.” This statute provides very specific guidance on the process of taking real property, and the terms of just compensation for such a taking.

1.2.2.1 Department of Emergency Management and Homeland Security (DEMHS)

Statutory authorities for DEMHS are set forth in CGS Title 28, Chapter 517 Civil Preparedness, and DEMHS Sections 28-1 through 28-22. CGS Section 28-1a establishes DEMHS and its mission is to direct and coordinate all available resources to protect the life and property of the citizens of Connecticut in the event of a disaster or crisis, through a collaborative program of prevention, planning, preparedness, response, recovery, and public education. DEMHS has primary responsibility for development and implementation of the State’s emergency management program. DEMHS, on behalf of the Governor and in coordination with CTDEP, ConnDOT, and DPS will prioritize the impacted areas and resource needs. DEMHS has divided the State into five emergency management regions. DEMHS Regional Offices are responsible for providing administrative support and planning assistance to local governments in their jurisdictions. During emergencies, the Regional Offices serve as mutual aid coordinators and communications links between towns and the State Emergency Operations Center (EOC). Map 1-1 shows the five DEMHS Emergency Management Regions. In developing the State’s pre-event contracts for debris removal and the monitoring of debris cleanup operations, these five Emergency Management Regions were used to demarcate the five Assigned Debris Control Zones. Table 1-1 provides a listing of the municipalities located in each of the Emergency Management Regions.

DEMHS Headquarters includes the State EOC, which is the Governor’s direction and control center. During emergencies, the State EOC is staffed with representatives of key state and private agencies. The State EOC maintains communications with State departmental EOCs, federal agencies and facilities, private agency EOCs, and the municipalities through their DEMHS Regional Offices. The Media Center in the State EOC is used as a Joint Information Center (JIC) by federal, State, and private agencies involved in responding to natural disaster. (NDP, A-2) The State EOC operates when an emergency event occurs or is imminent and stays in operation until emergency operations are no longer needed. On-going cleanup operations related to the disaster event may continue after the State EOC is demobilized.

State of Connecticut Natural Disaster Plan, 2006: The *Natural Disaster Plan, 2006* establishes the mission assignments of State agencies in responding to natural disasters of a severity and magnitude typical for Connecticut. The *Natural Disaster Plan* also describes the interaction of State government with local governments, private response organizations (e.g., public utilities, the American Red Cross) and the federal government in natural disaster situations. In any type of disaster or emergency, State agencies must first fulfill departmental mandates established by State statutes, regulations or executive orders and then provide support to local authorities as requested, available and appropriate. Exceptions to these priorities are made only in cases of imminent peril to life and health. The *Natural Disaster Plan* is implemented by the order of the Governor. Under the section entitled *Natural Disaster Operations*, there is a discussion on debris management that covers basic areas of responsibility; local debris management policies regarding debris on private property; responsibilities of local officials to monitor debris management operations; federal/state support of local debris management operations; other debris management support; and statutory reference. In the *Natural Disaster Plan*, related debris management assignments were made to the Departments of Environmental Protection (CTDEP), Transportation

(ConnDOT), Public Works (DPW), Administrative Services (DAS), and other State agencies, and the Military Department. Among the debris management responsibilities listed includes, but is not limited to, the following:

- CTDEP: Advising State and local officials on the proper disposal of debris; making determinations regarding open-burning waivers; identifying suitable sites for large scale open-burning operations and land filling of non-burnable, unsalvageable disaster debris, should such sites be needed; removing debris from all CTDEP owned lands; and acting as a support agency for local debris management operations and debris management operations of ConnDOT. (*NDP*, p.C-5, Section 13 O-1, Section 2-C).
- ConnDOT: Clearing debris from state-maintained roads; providing assistance to municipalities for the purposes of debris clearance, inspection, repair and/or condemnation of transportation facilities, once departmental priorities have been met; and clearing and/or removing wreckage and debris from state-owned or maintained transportation facilities. (*NDP*, p.O-1, Section 2-B; C-14, Section 31 h, m, n)
- Connecticut National Guard (Military Department): The Connecticut National Guard, State Military Department, if available, may be activated by the Governor to support local and/or state civil preparedness forces. In such an event, however, it would complement and not substitute for other state and local forces in emergency operations. Clearance of debris for roadways, bridges, and other essential facilities; stream channel clearance. (*NDP*, p.O-2, Section 2-D; B-2, GEOC-7)
- Department of Public Works: Assessing the impact of a disaster upon state buildings and developing and submitting to DEMHS such written impact assessment reports as it may require; providing damage assessors as requested by DEMHS to serve on joint federal/state damage assessment teams to assess municipal property damage in selected communities. (*NDP*, p.C-13, Section 29-a)
- Department of Administrative Services: Issues state contracts for relief supplies, equipment, and services as needed. (*NDP*, p.C-1, Section 2-d)
- Other State Agencies with roles with regard to debris management: Agriculture; Motor Vehicles; Public Health; and Public Safety. (*NDP*, C-1; C-11; C-12; C-13)

For more information on the *State of Connecticut Natural Disaster Plan, 2006*, access the DEMHS website at: http://www.ct.gov/demhs/lib/demhs/jan2006_natural_disaster.doc

1.2.2.2 Department of Environmental Protection

The mission of the CTDEP is to conserve, protect and improve the natural resources and environment of the State. The CTDEP achieves its mission through regulation, monitoring, inspection, and enforcement and licensing procedures that help control air, land, and water pollution in order to protect public health, safety, welfare and natural resources. CGS Section 22a-5 defines the duties and powers of the Commissioner and authorizes the Commissioner to carry out the environmental policies of the State and grants her all powers necessary and convenient to faithfully discharge this duty. CTDEP has prepared the *Disaster Debris Management Plan* under this authority. Waste disposal operations in the State are regulated by statutes listed under Title 22a of the CGS, Chapter 439 Environmental Protection Department and State Policy and Chapter 446d Solid Waste Management. Emergency authorities for disaster debris cleanup include: CGS Section 22a-6k Emergency authorization for regulated activity; and CGS Section 22a-174(f) Powers of the Commissioner. These emergency authorities are discussed more fully later in this Plan (see Section 3.2.2).

Consistency with the CTDEP State Solid Waste Management Plan (SWMP), amended 2006: The SWMP serves as the basis for Connecticut's solid waste management planning and decision making for the period 2005 through 2024. The SWMP Plan addresses a wide range of solid wastes, focusing

primarily on municipal solid waste and debris resulting from construction and demolition activities. As per CGS Section 22a-229, “(a)...any action taken by a person, municipality or regional authority that is governed by this chapter shall be consistent with such plan.” The SWMP includes a disaster debris management strategy that identifies the CTDEP to develop a Disaster Debris Management Plan that is consistent with the SWMP. The strategy states that disaster debris management that is implemented by State agencies and municipalities will be based on recycling and material separation at the point of generation and at staging/processing locations and that the goal will be to maximize potential processing and recycling options. This strategy will be of highest priority, and public education together with municipal, State, and federal cooperation will be imperative to effectively carry out this mission.

For more information on the *State Solid Waste Management Plan*, access the CTDEP website at: www.ct.gov/dep/swmp

Consistency with the CTDEP Connecticut’s Natural Hazard Mitigation Plan: In December 2007, CTDEP completed the State’s Natural Hazard Mitigation Plan Update (NHMP) for 2007 to 2010. The Plan represents the State’s efforts to approach mitigating effects of natural disasters on a multi-hazard basis, and shifts from a disaster-response driven system to one based on effective hazard mitigation planning. The Plan’s focus areas included : updating the existing Plan to the standards contained within Section 322 of DMA 2000 for a standard state mitigation plan; identifying those areas affected by the October 2005 flood event; incorporating FEMA’s newest grant programs into the Plan; incorporating the new Connecticut Floodplain Management Act into the Plan; discussing potential impacts due to climate change with regards to natural hazard mitigation; identifying potential dam failures as an additional natural hazard; and reassessing the goals and objectives that were presented in the 2004 CTDEP’s Hazard Mitigation Plan. Connecticut’s efforts in updating its 2007 Plan included: an assessment of all natural hazards that affect Connecticut including frequencies, magnitudes and distribution of these hazards; a risk assessment of Connecticut’s vulnerability to natural as addressed through potential loss of life and surveys of critical facilities in areas subject to these hazards; the integration of climate impacts as it relates to the assessment and analysis of natural hazards that could potentially affect the State; an outline of Connecticut’s governmental organization before, during, and after a natural disaster; and a summary of the most successful projects undertaken with the Hazard Mitigation Grant Program, the Flood Mitigation Assistance Program, and the Pre-Disaster Mitigation Program to serve as examples for other communities. The *Disaster Debris Management Plan* is integral to the post-disaster mitigation response, a primary objective of *Connecticut’s Natural Hazard Mitigation Plan*. The CTDEP must update the *Natural Hazard Mitigation Plan* every three years.

For more information on the *Hazard Mitigation Plan*, access the CTDEP website at: http://www.ct.gov/dep/cwp/view.asp?a=2720&q=325652&depNav_GID=1654

1.2.2.3 Department of Labor - Division of Occupational Safety and Health (DOL)

The Connecticut Department of Labor’s Division of Occupational Safety and Health is referred to as CONN-OSHA. CGS Chapter 571 Occupational Safety and Health Act, Sections 31-367 through 31-385 establishes this Division and outlines its authorities and responsibilities. CONN-OSHA administers Connecticut’s Public Employer Only State Plan and enforces occupational safety and health standards as they apply to all municipal and State employees. As a State Plan state, CONN-OSHA adopts and enforces standards that are at least as effective as the federal requirements. CONN-OSHA does not enforce occupational safety and health standards in private businesses in Connecticut. In those businesses, OSHA standards are enforced by the U.S. Department of Labor, OSHA. In addition to having enforcement responsibilities in the public sector, CONN-OSHA provides on-site consultations to both public and private sector employers. The mission of the Connecticut Consultation Program is to provide

timely, courteous and professional service for Connecticut employers to help them recognize and control workplace hazards and prevent work-related injuries, illnesses, and fatalities. The consultants also provide assistance in developing and implementing effective safety and health programs. These consultations are provided at the request of the employer and are free of charge. CONN-OSHA offers comprehensive training and education programs covering all aspects of occupational safety and health. Provided at no charge, these programs are to be used in conjunction with both consultation and enforcement activities. The state-funded Occupational Health Clinics Program is also administered by CONN-OSHA. This program provides grants-in-aid to occupational health clinics and auxiliary occupational health clinics located in Connecticut. The Occupational Safety and Health Statistics Unit publishes information on workplace injuries, illnesses, and fatalities that occur in Connecticut. This unit also collects data for USDOL-OSHA targeting and program evaluation purposes.

CONN-OSHA has prepared a plan entitled *Basic Document of the State of Connecticut Department of Labor, Division of Occupational Safety and Health, Emergency Operations Plan, January 26, 2007*. Addendum E of the Plan outlines CONN-OSHA response to hazards caused by natural disasters and involvement in emergency response and recovery activities.

For more information, access CONN-OSHA website at: <http://www.ctdol.state.ct.us/osha/aboutosh.htm>

1.2.3 Local Governments

Each municipality is responsible for coordinating the clearance, removal, storage and disposal of all debris deposited on municipal properties within their boundaries and jurisdictions. Debris removal on private property is the primary responsibility of the individual homeowners. The standard practice is that individual property owners are responsible for moving debris to the curb or other arrangement as provided by the municipality. Each local government is the community's first source of assistance in the wake of a disaster situation. Though not mandated, it is recommended by both federal and State emergency response programs that local governments develop a comprehensive Disaster Debris Management Plan so as to be better prepared to manage disaster debris and be qualified to receive the financial incentives offered under the FEMA PA Pilot Program. The Plan should include identification of suitable TDSRS, availability of equipment, and projection of debris quantities that could be generated. The PA Pilot Program website includes information on developing debris management plans, as well as related information, at: <http://www.fema.gov/government/policy/papilot.shtm>

1.3 Plan Maintenance

The Plan shall be reviewed annually by the CTDEP, and in conjunction with DEMHS. Required updates identified during the annual review or due to significant development should be directed to the CTDEP, Bureau of Materials Management and Compliance Assurance, Bureau Chief's Office, 79 Elm Street, Hartford, CT 06106. Changes to the Plan will be the responsibility of the CTDEP; distribution of the revised Plan to the recorded holders of the *State's Natural Disaster Plan* will be the responsibility of DEMHS.

1.4 Plan Contents

The *Disaster Debris Management Plan* includes the following:

- Executive Summary - provides a comprehensive overview of the Plan.
- Chapter 1 - outlines the purpose of the Plan, federal, State and local authorities, and the process by which the Plan is to be maintained.

Table 1-1 Emergency Management Regions and Municipalities assigned per Region,
Department of Emergency Management and Homeland Security, 2007.

State of Connecticut – Emergency Management Regions				
Region 1	Region 2	Region 3	Region 4	Region 5
Bridgeport	Ansonia	Andover	Ashford	Barkhamsted
Darien	Bethany	Avon	Bozrah	Beacon Falls
Easton	Branford	Berlin	Brookline	Bethel
Fairfield	Cheshire	Bloomfield	Canterbury	Bethlehem
Greenwich	Chester	Bolton	Chaplin	Bridgewater
Monroe	Clinton	Bristol	Colchester	Brookfield
New Canaan	Deep River	Burlington	Columbia	Canaan
Norwalk	Derby	Canton	Coventry	Colebrook
Stamford	Durham	Cromwell	Eastford	Cornwall
Stratford	East Haven	East Granby	East Lyme	Danbury
Trumbull	Essex	East Haddam	Franklin	Goshen
Weston	Guilford	East Hampton	Goshen	Hartland
Westport	Haddam	East Hartford	Griswold	Harwinton
Wilton	Hamden	East Windsor	Groton	Kent
	Killingworth	Ellington	Hampton	Litchfield
	Madison	Enfield	Killingly	Middlebury
	Meriden	Farmington	Lebanon	Morris
	Middlefield	Glastonbury	Ledyard	Naugatuck
	Milford	Granby	Lyme	New Fairfield
	New Haven	Hartford	Mansfield	New Hartford
	North Branford	Hebron	Montville	New Milford
	North Haven	Manchester	New London	Newtown
	Old Saybrook	Marlborough	North Stonington	Norfolk
	Orange	Middletown	Norwich	North Canaan
	Seymour	New Britain	Old Lyme	Oxford
	Shelton	Newington	Plainfield	Plymouth
	Wallingford	Plainville	Pomfret	Prospect
	West Haven	Portland	Preston	Redding
	Westbrook	Rocky Hill	Putnam	Ridgefield
	Woodbridge	Simsbury	Salem	Roxbury
		Somers	Scotland	Salisbury
		South Windsor	Sprague	Sharon
		Southington	Sterling	Sherman
		Stafford	Stonington	Southbury
		Suffield	Thompson	Thomaston
		Tolland	Union	Torrington
		Vernon	Voluntown	Warren
		West Hartford	Waterford	Washington
		Wethersfield	Willington	Waterbury
		Windsor	Windham	Watertown
		Windsor Locks	Woodstock	Wolcott
				Woodbury

- Chapter 3 - describes roles of federal, State, and local governments, as well as the private sector, in addressing and managing disaster debris.
- Chapter 4 - describes the State's existing solid waste management infrastructure, some of the constraints that could impact any large-scale debris management effort, summarizes the pre-event contracts established by the State, and sets forth the framework and strategies that will be implemented to manage a large-scale debris collection and disposal effort.
- Chapter 5 - describes criteria for selecting TDSRS and the two phases of clean up.
- Chapter 6 – provides the State's response to FEMA's PA Pilot Program increased federal share incentive checklist for Plan approval.
- References – provides a listing of documents used in developing the Plan.
- Appendices – provide additional information that includes the following: acronyms/definitions; CTDEP staff contact list; permitted waste management facilities; a listing of aggregate recycling facilities; permitted Connecticut regulated waste facilities; permitted biomedical waste transporters; Connecticut licensed asbestos contractors; and Connecticut licensed lead abatement contractors.

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CHAPTER 2

DISASTER TYPES and DEBRIS MODELING PROJECTIONS

2.1 Overview

All communities are vulnerable to a variety of natural disasters, including hurricanes, tornadoes, floods, forest fires, earthquakes, and ice storms that can generate large amounts of debris. While this Plan is applicable to both natural disasters and man-made disasters, the focus of this Plan is debris management resulting from natural disasters. This Chapter summarizes the types of natural disasters that could potentially occur in the State and the types of waste materials that could be generated from such events, provides debris modeling waste generation projections, and presents information concerning potential climate change impacts in Connecticut as it relates to natural disaster planning. This Chapter also presents results from two debris modeling exercises using the US Army Corps of Engineers (USACE) model and the HAZUS Multi-Hazard Disaster Simulation model that the CTDEP undertook in 1997 and 2004, respectively.

2.2 Natural Disasters

2.2.1 Hurricanes

DEMHS considers a Category 3 hurricane as the most probable, worst-case disaster scenario facing Connecticut (*NDP*, p.A-1, Section 3). The 1938 hurricane and the flooding of 1955 that resulted from heavy rainfall associated with the remnants of two hurricanes are recorded as the worst natural disasters to strike Connecticut. Though not as strong as the 1938 hurricane, the hurricanes named Gloria (1985) and Bob (1991) are two of the more potent hurricanes to strike in the last twenty-five years. Hurricane Bob is noted for having caused significant tree damage in Connecticut. Although Connecticut has not had a major hurricane in more recent years, DEMHS and federal agencies such as FEMA are concerned that the danger of a major hurricane impacting the northeast is likely to occur. The damaging forces of hurricanes and tropical storms include high velocity winds (up to 150 miles per hour or higher in gusts), storm surge, and wave action. Storm surge results from low pressure in the center of the storm that allows water levels of the ocean to rise and lift, then fall gently. Wave action from wind on top of the surge or lifting is what causes flooding as waves and surge approach the land. The most severe damage frequently occurs in coastal areas. There has been an overall increase in the coastal population of approximately 33 percent between 1950 and 2000 putting more people and structures at risk to a natural disaster. This is especially true for east coastal New Haven County and all of coastal Middlesex County. These are highly developed vulnerable areas subject to a direct strike from hurricanes. However, a significant amount of tree and structural debris may be encountered far inland. The amount of debris generated by such an event would depend on the path, intensity and timing of the storm. The State and municipalities must be ready to effectively deal with a massive debris cleanup effort following a hurricane. The 1938 hurricane produced a storm surge that was 12 to 16 feet above mean sea level and winds clocked at 120 mph. Debris resulting from the storm was estimated at 20 million tons, 15 million of it being woody vegetation, the rest being mostly brick, treated wood, concrete and metal.

2.2.2 Tornadoes

Damage from tornadoes is caused by high velocity rotating winds. Many parts of Connecticut have experienced tornadoes, but the most severe tornadoes in recent years struck the Litchfield Hills and parts of Naugatuck River Valley in July of 1989 and the Windsor Locks area in the 1990's. The severity of the damage depends on the size of the tornado funnel and the length of time the funnel strikes the ground.

Damage is generally confined to a narrow path extending up to half a mile wide and from a hundred yards to several miles long. Tornado debris includes damaged and destroyed structures, vegetative debris, and personal property.

2.2.3 Floods

The damage resulting from flood events is caused by structural inundation of flood waters and high velocity waters. Structural damage is usually limited to the floodway and the floodplain area immediately adjacent to a river. Heavy structural damage may result from high velocity waters in areas of steep slopes or failure of a flood control project, such as a dam or levee. Flood debris consists of sediment deposited on public and private property, personal belongings discarded from damaged homes, and construction materials. Landslides are often associated with flooding and result in debris consisting of soil, gravel, rock, and some construction material.

2.2.4 Forest Fires

Debris from forest fires consists of burned out structures, cars and other metal objects, ash, and charred wood waste. Large-scale loss of ground cover may lead to mud slides, resulting in clogged drainage structures and possible damage to homes and bridges.

2.2.5 Earthquakes

While the least likely of the natural disasters to occur in Connecticut, earthquakes are caused by shock waves and earth movements along fault lines. Secondary damages, such as fires and explosions, may result from the disruption of utility systems. Debris consists of building materials, personal property, and sediment caused by landslides.

2.2.6 Ice Storms

Ice storms can generate significant amounts of woody debris from broken tree limbs and branches, utility lines, wires, poles/towers, and building debris from damaged roofs and structures.

2.2.7 Catastrophic Animal Mortalities

Catastrophic animal mortalities can result from a natural disaster such as flooding caused by a hurricane or heavy rains, or may be the direct result of disease. A catastrophic storm may cause a farmer to not have access to the animals that can cause additional deaths. Also, flooding can cause animals to wash onto public and private properties. Disposal of animals presents both an environmental and health issue.

2.2.8 Catastrophic Vegetative Waste (from Disease)

Connecticut has experienced periodic occurrences of major tree diseases leading to widespread tree death. These outbreaks are usually due to a non-native insect or disease arriving in Connecticut and spreading rapidly, and often fatally, throughout the existing tree population. Examples include the chestnut blight, Dutch elm disease, gypsy moth, and the hemlock woolly adelgid; potential problem organisms include the emerald ash borer and ramorum blight (sometimes called sudden oak death). Tree decline and death from such insect or disease outbreaks tend to occur over a period of months to years in any one locality – the impact of the outbreak does not require the immediate response of a forest fire or a major storm. However, problems resulting from such damage may call for the attention of tree wardens and other public officials to promptly remove dead and hazardous trees that may be a danger to the public. With a large outbreak, municipalities may not be in position to handle the amount of resources and space necessary to remove these trees and handling the resultant large amount of debris that could be generated.

2.3 Debris Modeling Projections

In an effort to assist in the planning for large-scale disaster debris operations, the CTDEP has undertaken a number of modeling exercises to better determine the quantity and type of debris if such an event were to occur. Two debris models are presented below. The first model utilizes the USACE debris modeling formula for a Category 3 hurricane. The second model is the HAZUS Multi-Hazard (MH), a geographic information system based regional loss estimation model developed by FEMA and the National Institute of Building Sciences. The primary purpose of HAZUS MH is to provide loss estimates for earthquakes, hurricanes and flood hazards. Following the summaries of these two modeling efforts is further discussion on the use of the projections by the State in developing the pre-event contracts.

USACE Model: In 1997, the CTDEP estimated debris quantities resulting from a Category 3 hurricane based on the USACE Model. A number of assumptions and scenarios were made using the 1990 US Census of Population and Housing. Table 2-1 provides debris estimates per each of Connecticut's Counties using the USACE debris model. The federal model for estimating debris quantities claims to be accurate to within plus or minus 30%. Using the USACE debris modeling formula, it was determined that approximately 22 million cubic yards (CY) or 5.5 million tons of debris would be generated. A conversion factor of four was used to change cubic yards to tons.

Table 2-1. Debris estimates based on the USACE Debris Model resulting from a Category 3 hurricane, CTDEP 1997.

County	Cubic Yards (CY) of Debris	Converted CY to Tons
Fairfield	3,594,621	898,655
Hartford	3,666,688	916,672
Litchfield	162,277	40,569
Middlesex	1,675,212	418,803
New Haven	11,160,250	2,790,063
New London	1,091,729	272,932
Tolland	435,844	108,961
Windham	369,420	92,355
Total	22,156,041 CY	5,539,010 tons

The USACE guidelines indicate that hurricane-generated debris would consist of the following: 30% clean, woody debris and 70% mixed construction and demolition debris. Further compositional breakdown of the mixed construction and demolition debris indicates the following: 42% burnable after sorting; 5% soil; 15% metals; and 38% appropriate for disposal at landfills. Table 2-2 presents the type of debris and the extrapolated quantity (reported in cubic yards and tons) of the resulting from such an event.

Table 2-2. Extrapolated quantity (shown in cubic yards and tons) and type of debris generated by a Category 3 hurricane using the USACE Model, as calculated by CTDEP 1997.

Type of Debris Generated	Quantity million cubic yards	Quantity million tons
Woody debris	6,646,813	1,661,703
Waste materials burnable after sorting	6,513,876	1,628,469
Soil	775,461	193,865
Metals	2,326,384	581,596
Landfill appropriate waste materials	5,893,506	1,473,377
Total Generated (estimated)	22, 156,041 CY	5,539,010 Tons

HAZUS MH Disaster Simulations: In updating *Connecticut's Natural Hazard Mitigation Plan*, the CTDEP revisited the results of the HAZUS MH Model that was conducted in 2004; the Northeast States Emergency Consortium performed a hurricane and earthquake disaster simulation using the HAZUS MH model. The data used for the simulations was taken solely from the HAZUS MH database provided by FEMA. The region used for the simulation contained the entire state of Connecticut. HAZUS MH estimated that a total of 941,000 buildings (residential and non-residential) are contained within the State with a total replacement value of \$222.7 billion. The value of transportation and utility lifeline systems (i.e., power, water, other) was estimated by HAZUS MH to be \$83 billion and \$10.3 billion, respectively. The following simulations were made:

Hurricane Simulation: The hurricane simulation modeled a repeat of the 1938 hurricane on the current infrastructure. During a re-occurrence of the 1938 hurricane (a Category 3 with 111-130 mph sustained winds moving north at 60 mph), the model estimates that about 269,000 buildings will be at least moderately damaged. The model also estimated that approximately 23 million tons of debris would be generated by the storm. Of that amount, brick and wood comprises approximately 24%; reinforced concrete/steel comprises 0.20%; and clean, woody debris comprises approximately. Total hurricane damages to buildings and infrastructure were estimated by HAZUS to be approximately \$37 billion (damages to governmental buildings were estimated by HAZUS to be \$1.39 billion). Economic losses (public and private sectors) resulting from the hurricane were estimated at \$6 billion.

Earthquake Simulation: The earthquake simulation modeled a magnitude 5.0 earthquake centered in Moodus, Connecticut. This location was selected based on the historical frequency of minor earthquakes in Connecticut. During a magnitude 5.0 earthquake centered in Moodus, the HAZUS MH model estimates that about 1,273 buildings will be at least moderately damaged. The model estimated that a potential 64,000 tons of debris would be generated by such an event. This is based upon the model's estimation that approximately 90% of the buildings in Connecticut are of wood frame construction. The model also estimates that 24 fires will result from the earthquake in Connecticut; these fires are predicted to cause \$5 million in damage and displace 79 people. Total building and economic losses were estimated to be \$594 million; damages to governmental buildings in Connecticut were estimated at \$1.4 million.

Discussion: Based on the two models used, the CTDEP has determined that amount of debris that could be potentially generated as the result of a Category 3 hurricane striking the State ranges from approximately 5.5 million tons to 23 million tons. In developing the Request for Proposal for the pre-event contract for debris removal operations, the CTDEP used the USACE model as the base to which a bid fee schedule could be determined. FEMA literature has indicated that the use of the HAZUS model is appropriate for the west coast and that this model's application was limited in other portions of

the country (FEMA – Debris Management Student Manual, Vol. 1, E/G202). CTDEP recognizes that the projected amounts of debris listed in Tables 2-2 and 2-3 could be underestimated. Other states have found the amount of debris generated during an actual hurricane greatly exceeded the model projections. Table 2-3 shows the projected amounts of debris per the Assigned Debris Control Zone as identified in this Plan, as well as the amount of debris separated into clean, woody debris (30%) and construction and demolition debris (70%). The CTDEP created this table by extrapolating the amounts that were calculated for each of the eight Connecticut counties to the five Assigned Debris Control Zones. As indicated in Table 2-3, the greatest amount of debris generated would occur in Zones 2, 5 and 3 – in that order.

Table 2-3. Extrapolated amounts of debris and the compositional breakdown of debris (clean, woody debris and construction and demolition waste) per the Assigned Debris Control Zone, CTDEP September 2007.

Assigned Debris Control Zone	Total Debris Generated in Cubic Yards	Total Debris Generated in Tons	Clean, woody Debris Tons	Construction and Demolition Debris Tons
1	1,800,735	450,184	135,055	315,129
2	9,479,061	2,369,765	710,930	1,658,835
3	4,487,585	1,121,896	336,569	785,327
4	1,638,927	409,732	122,920	286,812
5	4,749,733	1,187,433	356,230	831,203
Totals	22,156,041	5,539,010	1,661,704	3,877,306

2.4 Climate Change Impacts

The State recognizes that climate change will result in environmental impacts to Connecticut, especially on coastal communities. Connecticut and New England have shown great leadership in addressing climate change. In 2001, the New England Governors/Eastern Canadian Premiers signed a regional Climate Change Action Plan and committed to reduce greenhouse gas emissions in the region. In 2004, the Connecticut General Assembly adopted regional goals for Connecticut and the *Connecticut Climate Change Action Plan* was completed and submitted to the Connecticut legislature in 2005. Even with policies in place to reduce greenhouse gas emissions, the emissions of the past decades will continue to cause changes to Connecticut's climate for decades to come. These impacts include increased annual temperatures, rising sea level, and more intense storms. It can be expected that many of the impacts of climate change, especially sea level rise and increased storm intensity, will result in increased disaster debris in Connecticut. Extreme rainfall events produce debris from damaged homes, roads, businesses, and infrastructure. The Northeast suffered an estimated \$130 million in property damage from several intense storms in the fall of 2005 and spring of 2006. Connecticut's coast alone has almost \$405 billion of insured coastal exposure (Source: Insurance Information Institute, 2004 figures), the 6th highest state in the country. Scientists, insurers, investors, planners, designers, and policy makers must respond to the significant consequences of climate impacts on human health, coastal infrastructure, ecosystems, agriculture, and the economy. According to a 2006 Report by the Union of Concerned Scientists entitled *Climate Change in the Northeast: A Report of the Northeast Climate Impacts Assessment*, many of the climate change impacts on Connecticut that will pose additional challenges to disaster and debris management in the State include:

- An increase in annual temperatures from 3.5 – 12.5 degrees F by 2100, depending on the choices we make today;
- Rising sea level, from a few inches to more than one foot by mid-century;

- More frequent and severe heavy rainfall events by mid-century, including an 8 percent increase in the number of annual extreme rainfall events, with 10 percent more rain falling during 5-day heavy precipitation events; and
- A 20-30 percent increase in winter precipitation, with more winter precipitation falling as rain as temperatures rise.

CHAPTER 3

ROLES OF GOVERNMENT

And the

PRIVATE SECTOR

3.1 Overview

In most cases, debris clearance, removal and disposal actions can be accomplished quickly using State and municipal resources augmented by assistance from neighboring municipalities, State agencies and contractor resources. In other cases however, the damage and resulting debris in a municipality is so extensive that it can only be successfully managed through adequate pre-planning and the coordinated efforts of the federal and State government, and local communities. Disaster debris on State property will be the cleanup responsibility of the State. The roles of government and the private sector in managing natural disaster debris are discussed below.

3.2 The State Role

3.2.1 State Mission Statement

The shared mission of Connecticut's emergency management community in times of natural disaster is to:

- Maximize the preservation of life and property;
- Correct or alleviate, as expeditiously as possible, serious disaster or emergency-related conditions which present continued threats to the health or welfare of the residents of the State; and
- Facilitate a return to normalcy by all practical means.

In a catastrophic disaster, Connecticut State agencies will be tasked to locate staff, equipment, and funds to devote to emergency debris removal tasks that, in a worst-case scenario, could last many months. Such activities will be reliant upon: debris removal and disposal policies and strategies outlined by this Plan; technical assistance provided by the CTDEP and implemented under CTDEP statutory authorities; and the Governor's emergency powers as necessary. As per the *State's Natural Disaster Plan*, the State EOC Unified Command will coordinate all emergency response during a major natural disaster. If in the event that the State could not effectively manage the debris removal or was overwhelmed by the magnitude of the disaster event, the State could request direct federal assistance through FEMA.

As described in the *State's Natural Disaster Plan* (ES-iv), the following is an outline of operations in the event of a natural disaster:

- The *State's Natural Disaster Plan* is implemented by the order of the Governor.
- Whenever the Governor orders implementation of the *State's Natural Disaster Plan*, the Commissioner of DEMHS shall activate the State EOC and request representation in the State EOC by appropriate state, federal and private response agencies.
- The State EOC Unified Command will monitor disaster response activities statewide and will coordinate the provision of assistance to State and local authorities as necessary and appropriate.
- The State EOC Unified Command will maintain communication with the FEMA Coordination Center.
- Communication with local authorities will be maintained through the five DEMHS Regional Offices.

- If necessary, the Governor may declare a State of Emergency under CGS Section 28-9 and invoke extensive emergency powers which allow the Governor to take any action reasonably necessary in light of the emergency. The Governor's emergency powers include (but are not limited to) taking operational control of all civil preparedness forces and functions in the State, modifying or suspending statutes and regulations, ordering evacuations, removing debris from public and private land or waters, and seizing property.

The State of Connecticut has in-place both interstate and intrastate mutual aid assistance procedures to manage emergencies and disasters. These authorities and capabilities are described below:

- *Interstate – Emergency Management Assistance Compact:* CGS Chapter 518 Emergency Management Assistance Compact Section 28-23a commits Connecticut to the terms of the Emergency Management Compact (EMAC) which requires member states (called parties) to provide mutual aid assistance to manage emergencies and disasters declared by the Governor of any of the party states. The compact provides a legal framework for requesting and providing assistance. This compact also provides for mutual cooperation in emergency-related exercises, testing or other training activities using equipment and personnel simulating performance of any aspect of the giving and receiving of aid by party states or subdivisions of party states during emergencies. The Commissioner of DEMHS is Connecticut's compact representative and is responsible for formulating appropriate interstate mutual aid plans and procedures necessary to implement it.
- *Intrastate – Mutual Aid System:* Public Act 07-56 *An Act Creating an Intrastate Mutual Aid System* commits the State's participating political subdivisions (towns) to the terms of the Intrastate Mutual Aid Compact. The compact provides a legal framework for towns to request and provide mutual aid when any member town declares a local civil preparedness emergency. Any town may withdraw from the compact by enacting a resolution to that effect and submitting a copy of the resolution, within ten days after adopting it, to the Commissioner of DEMHS. The Public Act outlines responsibilities of local civil preparedness organizations, procedures for activating the compact, permit and license reciprocity, and reimbursement and liability issues.

The *State's Natural Disaster Plan* includes procedures regarding dissemination of information to the general public. Direction and control of media liaison activities and public information shall be the responsibility of the Governor's Press Secretary or his designee. To the greatest extent possible, all State agencies will coordinate disaster public information activities with the Governor's Press Secretary to avoid contradictory, confusing, incomplete or erroneous information being given to the public. In addition, the CTDEP will be preparing public announcements to serve as guidance for the public in their cleanup activities and will be amending a Guidance Document for municipalities regarding debris management pre-event planning. The Guidance Document will be forwarded to each municipality and it will be placed on the CTDEP website.

To facilitate disaster debris management efforts, the State has established pre-event contracts. These contracts have been written in such a manner so as to ensure compliance with FEMA eligibility and reasonable costs guidance. In the event of a major catastrophic disaster that results in a Governor declared state of emergency and/or a Presidential disaster declaration, the State has the ability to retain the services of professional disaster management companies that will assist in the disaster removal recovery efforts and for the monitoring of the debris removal operations.

By preparing the *State's Disaster Debris Management Plan* as an annex to the *State's Natural Disaster Plan*, as well as establishing State contracts for debris removal operations and monitoring of the debris, Connecticut has positioned itself to be responsive to meet the emergency needs of the State. At the same time, the Plan and the contracts will expedite enhanced federal assistance to the State in the event of a disaster.

3.2.2 CTDEP

Connecticut's *Natural Disaster Plan* (*NDP*, p. O-1, Section 2) states that CTDEP is responsible for:

- Removing debris from all CTDEP-owned lands and State waterways and advising State and local officials on proper disposal of debris;
- Determinations regarding open-burning waivers to allow for expeditious disposal of burnable debris;
- Identifying suitable sites for large-scale open-burning operations and land filling of non-burnable, unsalvageable disaster debris, should such sites be needed; and
- Acting as a support agency for State and local debris management operations and debris management operations of ConnDOT. Enlistment of CTDEP personnel and equipment to assist local debris removal operations will be coordinated through DEHMS. Assistance could include assigned staff expertise in debris collection, volume reduction, disposal of waste, and recycling, as well as large and small State equipment and vehicles.

Under normal conditions, removal of debris in waterways falls under a number of federal, state and municipal jurisdictions, as well as private property owners. Under CGS Section 7-146, a municipality can exert its authority to cause the removal from any waterway or tidal water within its jurisdiction of debris, wreckage or other similar materials for which a private person or firm or corporation is responsible and which prevents or may tend to prevent the free discharge of flood waters. However, under CGS Section 28-9c, the Governor can authorize State departments or agencies or the use of any of the State's instrumentalities to clear or remove debris from land or water. With regard to open burning, the State's debris management approach is based on recycling and materials separation at the point of generation and staging locations to the greatest extent practicable. Open-burning operations shall only be considered as a last resort. In addition to the responsibilities listed in the *NDP*, CTDEP's responsibilities include identifying and permitting suitable TDSRS.

The CTDEP, working with federal and State agencies and the municipalities, will facilitate and coordinate safe and cost-effective removal and collection, as well as recycling and disposal, of debris following a catastrophic disaster, so as to:

- Maximize recycling and reuse of debris;
- Protect to the greatest extent practicable the health, safety, and welfare of the impacted citizens;
- Expedite recovery efforts in the impacted area(s); and
- Mitigate potential threat of significant damage to public and private property and to the environment.

During cleanup efforts, the CTDEP will be responsible for removing debris from all CTDEP-owned lands and roads and advising State and local officials on proper disposal of debris in their jurisdictions. Thus, the CTDEP will provide the necessary staff to DEMHS to assist with ongoing decisions regarding the separation, movement, storage, processing and disposal of debris. The CTDEP will work with ConnDOT in providing technical assistance and guidance on the removal and disposal of debris from state-owned roads and highways. In addition, the CTDEP will work with the USCG and USACE in surveying and

certifying depths and identifying obstructions on navigable waterways. Any decisions regarding the use of a currently operating or a closed solid waste facility or the open burning of storm debris will be made by the Commissioner of the CTDEP in consultation with DEMHS, FEMA, EPA and the affected municipalities.

Management of disaster debris falls under the existing solid waste management statutes. Implementing recycling and material segregation practices under these statutes, together with statutes related to the management of debris during an emergency situation, is the framework for debris cleanup measures during a disaster event. The relevant CGS includes:

- *CGS 22a-208, Powers and duties of the Commissioner* – gives the Commissioner broad powers to plan for and regulate existing or proposed solid waste facilities so that they are operated and closed in such a way as to minimize impacts to the environment and public health, safety and welfare.
- *CGS 22a-208a, Permit for construction, alteration or operation of solid waste facility* – gives the Commissioner authority to issue permits for the construction, alteration, and operation of solid waste facilities, including a general permit.
- *CGS Section 22a-6k, Emergency authorization for regulated activity. Temporary authorization for regulated activity and CGS Section 22a-174(f), Powers of the Commissioner. Regulations. Exemptions* – gives the Commissioner authority to authorize actions to address disaster debris management in the event of a disaster declaration or emergency situation.

A summary discussion of emergency authorizations, temporary authorizations, and open-burning authorizations follows:

- *Emergency Authorization:* Under CGS Section 22a-6k (a), the Commissioner may issue an emergency authorization for any regulated activity provided that such activity is necessary to prevent, abate, or mitigate an imminent threat to human health or the environment and that it is not inconsistent with the federal Water Pollution Control Act, the federal Rivers and Harbors Act, the federal Clean Air Act or the federal Resource Conservation and Recovery Act. Such emergency authorization shall be limited to any conditions the Commissioner deems necessary to adequately protect human health and the environment.
 - The CTDEP is developing a template Emergency Authorization for solid waste management resulting from a natural disaster event. The template emergency authorization will include conditions that cover the use and management of temporary storage, transfer or processing sites/facilities during and after the emergency; and environmental testing and monitoring protocols.
- *Temporary Authorization:* Under CGS Section 22a-6k(b), the Commissioner may issue a temporary authorization for any activity for which the Commissioner has authority to issue a general permit, provided that the Commissioner finds that (1) such activity will not continue for more than thirty days; (2) such activity does not pose a significant threat to human health or the environment; (3) such authorization is necessary to protect the public interest; and (4) such authorization is not inconsistent with the federal Water Pollution Control Act, the federal Rivers and Harbors Act, the federal Clean Air Act or the federal Resource Conservation and Recovery Act. No temporary authorization shall be renewed more than once, and no such authorization shall be issued for an activity that has been authorized by a temporary authorization during the previous twelve months.
 - Under this permitting mechanism, a regulated activity cannot continue for more than 30 days. Such an authorization can be

renewed one time for an additional 30 days. However, after the renewal, another temporary authorization for the same activity on the same site cannot be issued for another 12 months. The CTDEP could, depending on the circumstances, use the temporary authorizations as a mechanism to allow short-term staging, transferring or processing of debris.

- *Open-burning Authorization:* Under CGS Section 22a -174(f) the Commissioner may allow for...*open burning for the clearing of vegetative debris following a natural disaster.* Such burning can be done with the written approval of the Commissioner or through an emergency authorization under 22a-6k.

During and after a catastrophic natural disaster, CTDEP will offer information and technical assistance to the municipalities and regional resources recovery authorities in several topical areas including, but not limited to, the following:

- Permitting authorizations covering the collection, processing, recycling, and disposal of debris resulting from the natural disaster incident;
- Contact information for temporary debris storage and reduction sites;
- Contact information for volume reduction, resources recovery, and recycling facilities;
- Contact information on FEMA representatives and process for reimbursement.

3.3 The Municipal Role

Municipalities will always be the first responders in a disaster situation. Therefore, it is highly advantageous to have a coordinated debris management plan developed in advance of a debris-generating event to expedite the response and recovery process. In fact, FEMA is encouraging and expects local municipalities to do this pre-event preparation and planning. This includes:

- Pre-identifying TDSRS preferably on municipal property, but contracting to use private property if ideally suited;
- Preparing pre-existing contracts with haulers and demolition contractors for the collection and removal of debris; and
- Pre-planning communication with impacted residents and businesses about cleanup and waste stream segregation and methods of information dissemination.

After the emergency has occurred, the CTDEP will assist DEMHS and municipal officials as needed in determining the nature and quantity of debris that requires management. Assuming that State and municipal governments have undertaken the important task of identifying potentially suitable Temporary Debris Storage and Reduction Sites, sites will be selected based on: the location of the impacted area; the nature and quantities of debris requiring disposal; locations with the least negative public safety and environmental impacts, and which will create the least dislocation to the public. The CTDEP will authorize the operation of the TDSRS under the State solid waste management statutes and regulations to ensure that they are managed in accordance with this *Disaster Debris Management Plan* and in such a way as to protect human health and safety and the environment. Proper management of the sites ensures efficient waste handling and segregation, safety, and accountability to ensure that debris disposal operations are eligible for federal reimbursement.

Municipalities are responsible for the oversight of disaster-related work performed by private contractors working for the municipality. It is recommended that municipalities have Time and Materials contracts that would be used in the first 70 hours of response in-place. This can be especially important in disasters

where large amounts of debris are generated involving extensive removal operations in areas that are eligible for FEMA public assistance. Local officials may be required by FEMA or the State Public Assistance Officer (PAO) to explain local procedures for validating contractor invoices for work done. Inadequate monitoring of contractors by local officials could result in loss or reduction of federal and state disaster assistance funds in cases where FEMA or the State PAO determines that contractor invoices are excessively high and that local monitoring of contractors was inadequate to guard against inappropriate billings. Owner/operators of the TDSRS must contact the CTDEP prior to closing a site to discuss and coordinate what will be required for closure, including environmental sampling, if needed.

In a catastrophic natural disaster, if the municipalities cannot effectively manage debris removal or are overwhelmed, the State may provide assistance to the local government level through the State's Disaster Debris Management Services (Removal) contract, to the extent State resources are available. The State's *Natural Disaster Plan (NDP, p. O-3, Section 5)* outlines the process that requires local governments to submit situation reports to the appropriate DEMHS Regional Office whenever requested to do so by DEMHS, or when emergency operations are undertaken. Local officials are requested to use DEMHS *Form 233 (Rev. 5/05) State of Connecticut Local Government Situation Report*. It is also the format for initial requests for State assistance.

3.4 The Federal Role

When the response and recovery efforts appear to be beyond the capacity of both the municipalities and the State, Connecticut may request federal assistance through FEMA in the form of a Presidential Disaster Declaration. A major disaster declaration in response to a Governor's request specifies, among other things, the type of incident covered, the time periods covered for specific activities, the types of disaster assistance available, and the declared counties.

Following a Presidential disaster declaration, public assistance funds are available to eligible applicants for debris clearance, removal, and disposal operations. Eligible applicants typically include State and local governments, federally recognized Indian Tribes, and certain private nonprofit organizations. Debris located on public property and rights-of-way is eligible. Eligible debris can include downed trees, sand, building wreckage, and damaged personal property. Generally, debris removal from private property is not eligible under the Public Assistance Program. However, FEMA may approve debris removal from private property on a case-by-case basis when it is in the public interest. In order to be eligible for FEMA funding, the debris removal work must:

- Be a direct result of a Presidential declared disaster;
- Occur within the designated disaster area;
- Be the responsibility of the applicant at the time of the disaster.
- In addition, at least one of the following must apply:
 - Removal eliminates immediate threats to human lives, public health, and safety;
 - Removal eliminates immediate threats of significant damage to improved public and private property; and/or
 - Removal ensures economic recovery of the affected areas to the benefit of the community-at-large.

The Robert T. Stafford Disaster Relief and Emergency Assistance Act broadly authorizes the President to direct federal agencies to provide *essential assistance* as needed, including cleanup and disposal of waste and debris. FEMA evaluates the request and recommends to the President the type of federal assistance that is warranted. FEMA then implements the National Response Plan (NRP) and issues mission assignments in the form of Emergency Support Functions (ESF). FEMA also opens a Joint Operations

enter (JOC) and a Disaster Field Office(s) in the affected area(s) to coordinate efforts with local and State authorities.

FEMA's Debris Mission is as follows: *When directed, remove debris in support of affected States to eliminate threats to lives, public health and safety; eliminate immediate threats of significant damage to improved public or private property; or ensure economic recovery of affected communities to the benefit of the community-at-large.*

ESFs identify critical areas of federal assistance needed to augment state and local response efforts. There are a number of major ESFs that help to facilitate coordinated federal response to a disaster under the National Response Plan. The Public Works and Engineering Emergency Support Function includes debris management and the issuance of debris removal and disposal contracts. The USACE is tasked with managing, monitoring, and providing technical assistance in the clearance, removal, and disposal of debris and the clearing of roads and waterways in the affected areas. The vast majority of debris removal will be conducted by private contractors who are normally responsible for all of the transportation and logistical support required for their operations.

If an emergency or major disaster declaration is made under the authority of the Stafford Act, assistance is usually provided in the form of financial reimbursement of a portion of the disaster-related costs. Debris removal costs incurred by municipalities and Connecticut would be evaluated and if determined eligible would be reimbursed on a cost-sharing basis (normally 75% federal, 25% nonfederal).

In catastrophic disasters, FEMA can also provide direct federal assistance to support the State in performing some of the activities related to debris removal, recycling and disposal. The response capabilities of both the municipalities and Connecticut must be clearly exceeded before this level of assistance can be provided. Since Connecticut municipalities have a solid waste and recycling ordinance by law and the State has mandated recycling (CGS Section 22a-241b), FEMA may also fund recycling of disaster debris especially if the local government can demonstrate that recycling is a cost-effective debris management option.

FEMA may also direct other federal agencies to provide debris removal technical assistance to municipalities and Connecticut. Technical assistance may be provided in contract preparation, bid solicitation, contract management, and debris disposal activities. Municipalities and the State remain responsible for all debris removal activities and are reimbursed for their eligible costs. Cost share for federal technical assistance is 100 percent federal.

For more information about Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 93-288) as amended, access the FEMA website at: <http://www.fema.gov/about/stafact.shtm>

FEMA Public Assistance Pilot Program: The Department of Homeland Security Appropriations Act, 2007, Public Law 109-295, directed FEMA to conduct a Public Assistance (PA) Pilot Program. The legislation sets forth three goals for the PA Pilot Program: reducing the costs to the federal government of providing assistance to State and local governments, increasing flexibility in grant administration, and expediting the provision of assistance to States and local governments. FEMA implemented the PA Pilot Program in June 2007. The program is scheduled to continue through the end of 2008. The PA Pilot Program is based on voluntary participation and on a project-by-project basis. Only State, local, and Tribal governments (the applicants) can participate in the PA Pilot Program. The PA Pilot Program addresses:

- Increased federal cost share incentive: FEMA will provide an additional five percent federal cost share, not to exceed 100 percent, to applicants that have a

FEMA approved debris management plan and at least two pre-qualified debris and wreckage removal contractors identified prior to a disaster.

- Debris recycling: FEMA will allow an applicant to retain any revenue from the salvage value of recyclable disaster debris as an incentive to recycle debris.
- Category A (Debris Removal), Force Account labor: FEMA will reimburse the straight or regular time salaries and benefits of an applicant's permanently employed staff that performs debris-related activities.
- Grants for certain large projects based on estimates: FEMA will provide grants on the basis of estimates for large projects up to \$500,000. Applicants cannot appeal projects funded through this method.

Under this PA Pilot Program, the State will need to have a FEMA approved Debris Management Plan in order to receive an increased cost share for Category A projects. Category A covers debris removal eligibility and includes: eliminating immediate threat to life, public health and safety; eliminating immediate threats of significant damage to improved public or private property; and ensuring economic recovery of the affected community to the benefit of the community-at-large. The FEMA Regional Administrator approves the applicants' debris management plans prior to a declared disaster. The FEMA Regional Administrator may delegate this authority to the federal Coordinating Officer following a disaster declaration. CTDEP, through DEMHS, will be submitting the *State's Disaster Debris Management Plan* for the FEMA Regional Administrator's approval.

3.5 The Private Sector Role

The private sector will have direct and indirect roles in managing debris resulting from a catastrophic natural disaster. For example, private contractors and waste disposal companies will play a significant role in the debris removal, collection, volume reduction and disposal process for both municipalities and State agencies. Pre-positioned State contracts, as well as municipal contracts, will be important in expediting cleanup and recovery efforts. While re-establishment of commercial entities is a private responsibility, access to the facilities of many large retailers may affect overall response and recovery efforts and will be considered when setting priorities for catastrophic response. In addition to contracting for debris removal services, the State has secured the services of a private contractor to perform the inspection and monitoring of those contractors performing debris removal operations under the State contract.

3.6 Debris Management Decision Points – Public and Private Sectors

In July 2007, the CTDEP, in consultation with other State agencies, prepared a broad outline that identified debris management decision points focused around four key activities as listed below:

- Pre-event Activities – *Planning*
- Event Activities – *Emergency Response*
- Post-Event Activities – *Cleanup and Recovery*
- Post Recovery Activities – *Public Assistance, Close-out of TDSRS, and Quality Assurance*

Table 3-1 provides an outline of the key debris management decision points and the responsible government and/or private sector entities. Lead Responsibilities include: DAS-Department of Administrative Services; DEP-Department of Environmental Protection; DEMHS-Department of Emergency Management and Homeland Security; DPS-Department of Public Safety; DPH-Department of Public Health; DPW-Department of Public Works; DOT-Department of Transportation; EOC Unified Command; Contractors (Debris Removal; Monitoring) retained by the State; and local governments.

Table 3-1. Outline of debris management decision points/actions and lead responsibilities, CTDEP July 2007.

Debris Management Decision Points/Actions	Lead Responsibility
I. Pre-event Activities – Planning	
Pre-event Contractors in-place	DAS
Locate and identify potentially suitable Temporary Debris Storage and Reduction Sites (TDSRS)	All Agencies
Evaluate candidate sites for TDSRS	DEP, Contractor
Select suitable locations for TDSRS	DEP
Identify and prioritize federal and State roads for “push and shove” clearance	DOT, DEMHS, DPS, DPH, Contractor
II. Event Activities – Emergency Response	
Authorize/Permit the locations for TDSRS	DEP
Activate contract(s) for state disaster debris management (Debris Removal; Monitoring of the Debris Removal Operations)	EOC Unified Command
Initial assessment of State and local roads	DOT, DPS, locals, Contractors
Identify and request assistance for “push and shove” clearance of local roads	State, local, others through EOC Unified Command
Direct activities related to clearance of roads	EOC Unified Command
Push and shove clearance of roads	DOT, Contractors, locals
Approve request for extending aid to clear local roads based on criteria by the State	EOC Unified Command
III. Post-Event Activities – Cleanup and Recovery	
Implement protocol for debris management	DEP
Disseminate information on debris segregation	DEP through EOC Unified Command – Joint Information Center
Coordinate and direct removal of debris from roads and right-of-ways	EOC Unified Command
Remove debris from roads and right-of-ways	Contractors, DOT, locals
Remove debris from State lands	Contractors, all agencies
Monitor removal work and TDSRS	Contractors, DEP
Perform compliance checks to ensure debris segregation	Contractors, DEP
IV. Post-Recovery Activities – Public Assistance, Close-out TDSRS, and Quality Assurance	
Seek Public Assistance (PA) funding	DEMHS
Close-out TDSRS	DEP and permit holders
Evaluate success of cleanup effort	All agencies, Contractors
Revise Contracts (Debris Removal Operations; Monitoring) as necessary	All agencies

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CHAPTER 4 CONNECTICUT'S SOLID WASTE MANAGEMENT FRAMEWORK and DEBRIS MANAGEMENT

4.1 Overview

Connecticut is a small, densely populated state that has become reforested during the past seventy-five years. Much of the State's population resides in the corridor along the Route I-95 from the New York border to the New Haven border, and then north along Route I-91 to the Massachusetts border. Much of this area is low-lying with extensive wetlands and many developed areas are prone to flooding. The I-95 corridor, which straddles the coastline, would be hardest hit from the damaging forces of a hurricane. Natural disasters precipitate a variety of debris. Disaster debris is a very visible reminder of the scope of a disaster that can account for as much as 40% of all disaster-related costs according to FEMA. The quantity and type of debris generated from any particular disaster is a function of the location and kind of event experienced as well as its magnitude, duration and intensity. The debris, its location, and the size of the area over which it is dispersed, directly impacts the type of collection, recycling, and disposal methods used to address the debris problem, associated costs incurred, and the speed with which the problem can be addressed. This Chapter outlines Connecticut's solid waste management framework and the management and disposal of various types of natural disaster debris.

4.2 Connecticut's Solid Waste Management Framework

4.2.1 State Solid Waste Management Plan, amended December 2006

Legislatively, Connecticut has formally adopted an integrated waste management hierarchy as a guiding framework for solid waste management efforts. Connecticut's system adheres to this hierarchy by emphasizing source reduction, recycling, composting, and energy recovery from solid waste, while relying on landfill disposal as a last resort. Connecticut's *Solid Waste Management Plan* (SWMP) is based on this hierarchy. The SWMP has as two of its three goals:

- Goal 1: Significantly reduce the amount of Connecticut generated solid waste requiring disposal through increased source reduction, reuse, recycling and composting.
- Goal 2: Manage the solid waste that ultimately must be disposed in an efficient, equitable, and environmentally protective manner, consistent with the statutory solid waste hierarchy.

4.2.2 Connecticut's Solid Waste Management Infrastructure

Connecticut has a comprehensive and highly effective integrated solid waste management system, including widespread municipal solid waste recycling services, regional resources recycling facilities and, for bulky waste, a system of volume reduction facilities and limited capacity for bulky waste landfills. Due to increasing waste generation, Connecticut is now exporting growing quantities of solid waste to other states for disposal. In 2003, approximately 3.7 million tons of municipal solid waste (MSW) was generated. Of the total, an estimated 30 percent was recycled, approximately 60 percent was managed in the State's six resources recovery facilities; 3 percent was disposed at in-state landfills; and the remaining 7 percent was exported for disposal in other states. In 2004, approximately 1.1 million tons of Connecticut C&D waste/oversized MSW was reported processed, transferred through or disposed at Connecticut waste facilities. Connecticut's management of construction and demolition (C&D) debris

and oversized MSW relies greatly on out-of-state disposal. Approximately 82 percent of this C&D total was processed by Volume Reduction Facilities and Transfer Stations and sent to out-of-state disposal sites; twelve percent was disposed at in-state landfills; seven percent of the material was recycled; and less than one percent was managed at a resources recovery facility. Table 4-1 presents the permitted and registered solid waste facilities in Connecticut.

Table 4-1. Type and number of permitted/registered solid waste facilities in Connecticut, CTDEP September 2008.

Type of Solid Waste Facility	Number of Facilities
▪ Transfer Stations (TS)	137
▪ Volume Reduction Facilities (VRF)	37
▪ Landfills (MSW; Bulky Waste)	35
▪ Resources Recovery Facility (RRF) for Municipal Solid Waste (MSW)	6
▪ Resources Recovery Facility (RRF) for waste tires	1
▪ (RRF) Ash Residue Land-fill	2
▪ Intermediate Processing Centers	7
▪ Recycling Facilities (Household Hazardous Waste Permanent Facilities)	4
▪ Sludge	2
▪ Treatment Storage	8
▪ Leaf Compost Facilities	87

Components of Connecticut's solid waste management infrastructure include:

- *Transfer Stations:* There are 137 transfer stations, the majority of which are municipally operated. The transfer stations at the municipal level receive both municipal solid waste (MSW) and oversized MSW (commonly referred to as bulky waste) that can include construction and demolition debris. These facilities then transfer this waste to either in-state or out-of-state landfills or volume reduction facilities. Most transfer stations only aggregate waste and have limited storage capacity.
- *Volume Reduction Facilities:* There are 37 volume reduction facilities that can process construction and demolition debris, of which at least 10 are permitted to receive 500 tons per day. VRFs recycle a relatively small portion of the waste they receive; the majority of the waste undergoes some form of processing and is disposed mostly at out-of-state landfills.
- *Landfills - MSW Landfills, Bulky Waste/Special Waste Landfills.* There are thirty-five landfills and consist of the following subsets:
 - There are only two municipal solid waste landfills remaining in the State. The Windsor-Bloomfield Landfill is permitted to take both municipal solid waste and construction and demolition debris. The Manchester Landfill is permitted to take only construction and demolition debris.
 - There are 27 active landfills in Connecticut that accept C&D debris/oversized MSW or C&D waste only; only one of these is privately owned and operated. Most of these landfills serve only their communities.
 - There are six special waste landfills.

- *Resources Recovery Facilities (RRFs) for MSW:* Connecticut is highly dependent on resources recovery facilities (RRF) for municipal solid waste disposal. The State has six MSW RRFs located in-state, having a combined maximum permitted design capacity of approximately 2.6 million tons per year and currently all are operating at full capacity.
- *Resources Recovery Facilities for Waste Tires.* There is one RRF facility in Connecticut (Sterling) that handles waste tires.
- *RRF Ash Residue Landfills:* There are two landfills permitted to receive ash residue (Hartford Landfill with an expected closure in the year 2008 and Putnam Landfill with an expected closure in the year 2017); these are permitted to only accept the ash residue generated from MSW RRFs.
- *Intermediate Processing Centers:* There are seven Intermediate Processing Centers that can recycle an item or items and market and deliver for reuse the resulting products. Such facilities are owned by public or private entities or combinations thereof and may offer service on a State, regional, municipal or sub-municipal level.
- *Recycling Facilities (Household Hazardous Waste Permanent Facilities):* There are four permanent regional household hazardous waste facilities in New Haven, Manchester, Essex and Willington. The Metropolitan District Commission operates a mobile facility in the Hartford region.
- *Treatment Storage:* There are eight sites that are permitted for treatment and storage of hazardous waste materials.
- *Leaf Compost Facilities:* There are 87 sites registered with the State that can process leaves on-site.

Other waste handling operations include the following:

- *Aggregate Recycling Facilities:* These facilities operate clean fill, concrete, rubble, and asphalt recycling facilities.
- *Scrap Metal Processors:* The State has several large scrap metal processors that can process metal segregated from construction and demolition.
- *Hazardous waste:* The private sector handles this material and it is shipped out-of-state for recycling or disposal.
- *Biomedical Waste Transporters:* The CTDEP permits biomedical waste transporters.
- *Asbestos waste:* Asbestos containing material is handled by Connecticut licensed asbestos contractors for removal and disposal.
- *Lead waste:* Lead containing material is handled by Connecticut licensed lead abatement contractors for removal and disposal.

Connecticut's existing solid waste management policies, programs and infrastructure constrain disaster debris management planning in a number of very significant ways:

- *Open Burning:* CGS Section 22a-174 (f) allows for open burning to clear vegetative debris resulting from a natural disaster. Extensive open burning of clean wood waste or demolition debris is discouraged except in the most extreme circumstances (and then only with an emergency authorization from the Commissioner of the CTDEP) because of the State's existing air quality.
- *Out-of-State Disposal:* Some of the construction and demolition debris (i.e., clean wood, not treated wood) generated by a disaster may be able to be incinerated in RRFs based on available capacity at these facilities. The bulk of disaster related debris will ultimately need to be temporarily stockpiled and then disposed out-of-state because of the limited in-state disposal capacity at RRFs.

- *In-state Landfilling.* Because remaining landfill capacity is so scarce in Connecticut, landfilling must be reserved for MSW that cannot be incinerated in RRFs and for the disposal of asbestos contaminated debris. Any reopening and use of closed and *capped landfills* for these purposes or for disposal of demolition debris will be subject to a critical review, in consultation with the EPA.
- *Segregation Requirements:* In order to minimize expensive out-of-state shipment of materials that could be handled in-state, proper segregation of debris type at the site of generation and at TDSRS is essential.
- *Temporary Debris Storage and Reduction Site (TDSRS) Demobilization Priority:* If it is necessary to utilize TDSRS in coastal locations, which in turn may be subject to repeated storm impacts, these sites will need to be de-mobilized as soon as possible in order to prevent environmental damage from future storms.

4.3 Connecticut's Approach to Debris Management

Connecticut's *Disaster Debris Management Plan* functions within the framework of the *State's Solid Waste Management Plan (SWMP)*. Connecticut will approach managing disaster debris management and capacity as follows:

- Divert as much material from disposal as possible through recycling, composting and other legitimate diversion options. The types of materials that could be diverted from disposal could include: vegetative waste (clean wood from brush and trees); building materials (asphalt, brick and concrete); recyclable metals (i.e., abandoned vehicles, white goods; scrap metals); and household hazardous wastes.
- Utilize volume reduction techniques to improve debris management efficiencies and minimize impacts on landfill capacities;
- Use Connecticut's in-state disposal capacity for disposal of disaster debris as efficiently as possible, recognizing that there is presently an in-state disposal capacity shortfall for MSW and that most construction and demolition debris is transferred out-of-state for disposal; also allow for temporary tonnage increases at permitted in-state solid waste facilities on an emergency basis.
- Rely on permitted Transfer Stations to transfer waste that cannot be diverted from disposal (recycling, composting, other) to waste handling facilities out-of-state for disposal.
- Rely on permitted Volume Reduction Facilities to reduce and transfer waste that cannot be diverted from disposal (i.e., recycling, composting, other) to waste handling facilities out-of-state for disposal.
- Consider alternative technologies for managing portions of the debris waste stream, in-state or out-of-state, such as biomass facilities.
- Use approved Temporary Debris Storage and Reduction Sites (TDSRS) for processing debris for recycling and disposal.

4.4 Pre-event Contracts: Debris Removal Operations and Monitoring

The State has established pre-need and pre-event contracts to assist the State in Disaster Debris Management Preparedness. These contracts assure the immediate availability of coordinated debris removal support following a natural disaster debris-producing disaster event. The State has in-place professional services that can be utilized on an as-needed basis for: (1) debris removal operations and (2) monitoring debris removal operations. The State has been divided into five Assigned Debris Control Zones; these zones are the same as DEMHS' five emergency management areas and will make for a more efficient and effective response and recovery effort. The contracts are to be administered at the sole discretion of the State; municipalities may request, through the State's EOC, to be included in the

Assigned Debris Control Zones in the event of a catastrophic natural disaster; and the State, through the contractor, assumes the lead role in undertaking cleanup operations and seeking FEMA Public Assistance Funding. The request for assistance under the State contract from a municipality would only be expected in a catastrophic natural disaster. If the municipality cannot effectively manage debris removal or are overwhelmed, the State may provide the assistance to the local government level under the State contract, to the extent that State resources are available.

Local government is responsible for all peoples and properties within their boundaries and jurisdictions to the limits of their resources. To assure rapid response, it is prudent for municipalities to have in-place a short-term Time and Materials Contract limited to the maximum of 70 hours of actual work in compliance with FEMA guidance. After that point, longer-term contracts must be competitively bid on a unit price basis or municipalities may request that the State assume the responsibility to remove the debris from within their town boundaries. The State will respond to such municipal requests to the extent State resources are available. The State recommends that municipalities have a Debris Management Plan for their jurisdiction that is approved by FEMA prior to a declared disaster, so as to be better prepared and also to benefit from incentives provided under the FEMA PA Pilot Program.

4.5 Disaster Debris Management Strategies

The *Disaster Debris Management Plan* implemented by Connecticut State agencies and municipalities will be based on recycling and material separation at the point of generation to the extent possible with additional segregation occurring at TDSRS in order to minimize disposal and reduce potential threats to human health and safety. TDSRS will be those sites that have been identified by local and State government, and which have been evaluated and approved by CTDEP for the purposes of collection, volume reduction, and transfer to final permitted disposal and recycling facilities. The CTDEP is responsible for the permitting of these sites. The goal will be to maximize potential processing and recycling options consistent with the *State Solid Waste Management Plan*. This strategy will be of highest priority and public education together with municipal, State, and federal cooperation will be imperative to effectively carry out this mission. If there is advance warning of the pending event, as there is likely to be with a hurricane, CTDEP will participate with DEMHS so as to prepare municipal officials and the general public for their roles in debris management. The debris segregation requirements, hazardous waste management procedures, and TDSRS plans will be reviewed. Access to the selected TDSRS will be secured, and State and municipal equipment that will be needed in the clean-up will be moved to safe locations. Public announcements will be made regarding the potential hazards of moving storm debris, the rationale for and importance of debris segregation requirements, and the location of household hazardous waste aggregation facilities.

4.5.1 Management and Disposal of Various Debris Types

The types of materials generated from disasters and requiring management can include:

- clean wood from brush and trees;
- putrescent municipal solid waste;
- construction and demolition debris from damaged structures;
- white goods;
- household hazardous waste from damaged residences;
- hazardous wastes;
- aggregate (asphalt, brick, concrete);
- scrap metal;
- electronic waste;
- soil, silt, and sediment (uncontaminated; contaminated);
- animal mortalities;
- waste tires;

- abandoned vehicles and abandoned boats; and
- utility related debris.

Volume reduction methods that will be implemented for cleanup operations will include primarily grinding and chipping and in the most dire situations burning or incineration. Any open burning conducted outside of a resources recovery facility and authorized by CTDEP, shall use air curtain pit incineration methods or a mobile air curtain burner. Recycling will be considered early in the debris clearance, removal and disposal operation because it presents the best opportunity to reduce the overall costs of cleanup. Metals, green waste, aggregate and sediment/soils are prime candidates for recycling. The cost of chipping and grinding green waste is basically equal to that of incineration. However, there are significant differences in volume reduction. Incineration, for example, reduces the volume approximately 95%, leaving only an ash residue for disposal. Chipping and grinding reduces the volume on a 4-to-1 ratio (4 cubic yards is reduced to 1 cubic yard) or by 75%. For chipping and grinding to be feasible, the 25% of volume remaining must have some benefit or use. The ability to use the recycled wood chips as mulch for agricultural or erosion control purposes, or in the landscape industry and even for a fuel for industrial heating or in a cogeneration plant will negate the need to incinerate clean wood, provided separation of clean versus treated wood has been accomplished. Clean wood, namely green waste, can be managed within each municipality without creating significant environmental hazards, so unless there are massive amounts of green waste, there is little point in paying to transport it out of the municipality to a regional TDSRS. It will be best to try and deal with green waste in each of the municipalities.

Asbestos contaminated material (ACM) must be collected, properly contained, and disposed of as quickly as possible and other hazardous wastes must be handled separately from other debris in order to ensure public and worker safety and in order to prevent portions of the waste stream which can be recycled or disposed as solid waste from being contaminated with hazardous wastes.

Management Recommendations for Major Types of Debris: For the purposes of this Plan, debris categories are named for the most likely items requiring management after a disaster event and shall be managed as follows:

1. Green Waste/Vegetative Debris

For the purposes of this Plan, green waste is that portion of the clean wood waste stream consisting of vegetative debris including all portions of a damaged or downed tree to include the stump, limbs and other brush.

The management of green waste/vegetative waste on State and municipal property and right-of-ways will be both a State and municipal responsibility. The management of trees damaged during a natural disaster event is based on a number of factors and includes determining whether a tree is hazardous or non-hazardous based on the following:

- Dangerous hanging limbs having a diameter of 2" or greater above the right-of-Way;
- Fallen and leaning trees within the ROW, including trees extending onto the right-of-way from private property; and
- Dangerous and exposed stumps.

Green waste will be separated from other debris, cut to manageable size, and transported to State TDSRS or municipal debris staging sites in the towns where generated. In a worst-case scenario, regional wood waste sites will be designated. The brush should be chipped while the wood is still green and the limbs and trunks processed into firewood or wood chips. Many municipalities have chippers and some have tub grinders; there are also commercial services available. The resultant processed wood material can be provided to residents or sold to commercial landscapers. It can also be used as a carbon source in

composting animal carcasses and municipal solid waste during a debris management crisis. If the amount of stored wood exceeds the needs of the municipalities and landscape industry, then the wood may be used as a source of wood fuel. Incineration is considered a form of resource recovery and not recycling.

2. Putrescent Municipal Solid Waste (MSW)

For the purposes of this Plan, the putrescent portion of the MSW is considered as primarily food spoilage and contaminated or damaged recyclables such as wet or mildewed newspaper, cardboard, etc. which requires immediate disposal.

The preferred management approach for MSW is for this waste to be processed at a resources recovery facility (RRF). There is the expectation that normal operations will resume for weekly garbage collection. If at all possible, this waste should be containerized at the curb for collection to be brought to one of the in-state MSW RRFs. However, the amount of MSW requiring disposal may increase significantly in times of an emergency as businesses, residents, and institutions are forced to dispose of damaged consumer goods. Therefore, some portion of one or more TDSRS may have to be dedicated to the collection and storage of putrescent MSW. CTDEP will coordinate with the DPH and DEMHS on a notification procedure to the public regarding food spoilage and special emergency procedures for the collection and/or drop off for this waste type. To the extent that there are facilities available for the processing of food waste, efforts will be made to direct appropriate materials to these facilities. If the State's MSW RRFs' burn capacity proves to be insufficient because of the amount of disaster-related MSW, or if one or more of the facilities cannot operate due to storm damage, MSW will have to be disposed of at in-state landfills or transported to out-of-state facilities. The in-state Resources Recovery Authorities, in consultation with the owners and operators of the active in-state landfills, will be required to organize the allocation of MSW among the facilities and make arrangements, as necessary, for the transport of excess MSW out-of-state.

3. Construction and Demolition Debris (C&D)

For the purposes of this Plan, C&D consists of debris resulting from structural damage to buildings as well as buildings that will require demolition as a result of the disaster event, and will include items such as aggregate (concrete, brick, block), wood (both clean and treated), roofing and siding materials, wallboard, metals, carpeting and flooring, insulation, glass, tile, window coverings, plastic pipe, heating and ventilating, and air conditioning systems and their components, light fixtures, furnishings and fixtures.

Debris from structural damage to buildings, bridges, roads, etc. will constitute the State's largest debris management problem. Prior to moving such debris, municipal fire officials must consult SARA Title III information to determine whether hazardous materials or waste is likely to be encountered. Such information is available through Local Emergency Planning Committees and the Regional Local Emergency Planning Committees. The CTDEP will assist with this task. They must also screen for large quantities of asbestos (siding, roofing, pipe wrap, etc.) and leaking oil tanks. With regard to asbestos, EPA's 1992 publication entitled *Guidelines for Catastrophic Emergency Situations Involving Asbestos*, EPA 340/1-92-010 still serves as effective guidance in managing this material. Methods for handling these wastes are described below. Any scrap metal or clean rubble must be kept separate. The balance of the material will be loaded and trucked to a storage and processing site.

Non-Asbestos containing waste: Construction and Demolition waste (C&D) that is free of asbestos will have to be reduced in volume and sent to a permitted in-state volume reduction facility that handles C&D. Most of the C&D that is processed at Connecticut volume reduction facilities for C&D is then sent to out-of-state landfills for disposal. It is anticipated that in a catastrophic natural disaster, such as a Category 3 hurricane or higher, there will be far more C&D requiring disposal management than can be handled by the existing in-state volume reduction facilities and landfills. Hence, the need for TDSRS. The

importance of pre-positioned contracts, previously arranged by the State, regional trash authorities, or the municipalities will ease the burden by providing for processing and transport from the TDSRS to the out-of-state landfills. Processing to reduce the volume of C&D should include, if possible, the removal of metals and aggregate such as brick, block, and concrete. The CTDEP has prepared an environmental program fact sheet on renovation and demolition activities that cover much of the same type of waste material that could result from a disaster incident. The fact sheet outlines environmental, health and safety requirements concerning: asbestos; lead-based paint; fugitive dust and air emissions; C&D waste; treated wood; land-clearing debris; chemical products; mercury; PCBs; used electronics and batteries; contaminated equipment/structures/soil; air conditioners and refrigeration equipment; underground storage tanks; site cleanup issues; spills; and drinking water supplies. For more information, access the CTDEP website at: http://www.ct.gov/dep/cwp/view.asp?a=2718&q=325410&depNav_GID=1646

Asbestos containing waste: Suspect asbestos-containing materials (ACM) shall be either treated as ACM, or sampled and analyzed for asbestos content. The identification of ACM shall be made by an asbestos consultant licensed by the Department of Public Health (DPH), with certification as an Inspector or Management Planner, or by individuals identified by the DPH as appropriately qualified. Materials that are sampled for asbestos content must be analyzed at an environmental laboratory certified by the DPH. Whenever feasible, asbestos-containing debris shall be segregated from non-asbestos containing debris. In the event that the asbestos-containing debris cannot be segregated from other construction debris, all debris must be disposed of as asbestos-containing waste. Asbestos-containing debris must be adequately wetted during the process of collection and processing, and must remain adequately wet while packaged and placed in a waste container for disposal. Asbestos-containing waste shall be appropriately labeled and shall be disposed of at a waste disposal facility authorized for disposal by the CTDEP, or if disposed of out-of-state, at an authorized waste facility within that jurisdiction. Asbestos destined for a Connecticut disposal facility typically must first be authorized by the CTDEP through a special waste authorization letter. Asbestos abatement shall be conducted in accordance with applicable federal, state, and municipal requirements. These shall include, but not necessarily be limited to, the asbestos National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61, Subpart M), the DPH regulations (*Standards for Asbestos Abatement, Licensing and Training Requirements for Persons Engaged in Asbestos Abatement and Asbestos Consultation Services, and the Asbestos-Containing Materials in Schools regulations*), and Department of Labor regulations.

4. White Goods

For the purposes of this Plan, white goods are a category of scrap metal and include appliances such as stoves, refrigerators, freezers, dishwashers, washers, dryers, microwaves, air conditioners, other similar types of appliances.

White goods should be segregated curbside to the extent it is necessary to then stage white goods at an authorized TDSRS or permitted solid waste facility. White goods must be stored in an area separate from other solid waste, preferably on an impervious surface, and must be stored in a manner that prevents vector and odor problems. White goods shall be removed from a site within 90 days to the extent practicable. PCB capacitors and Freon may be contained in old appliances. Until white goods arrive at their final destination, they should be handled in a manner that will prevent a release of refrigerants. Freon shall be required to be removed from any white goods at a TDSRS or final recycling/disposal facility. Scrap metal dealers will be required by Emergency Authorization to remove any capacitors and capture any Freon prior to processing the appliances. Typically, municipalities are responsible for removing the Freon and capacitors, but the emergency may prevent them from spending time to do this. FEMA project record keeping requires written verification that Freon has been removed from each unit. In addition to the removal of PCBs and Freon from white goods, putrescent MSW will also have to be removed and disposed of properly.

5. Household Hazardous Waste (HHW)

For the purposes of this Plan, HHW is considered to include, but not be limited to, items such as automobile fluids, batteries, paints and stains, cleansers, photo chemicals, lawn-care chemicals, and pesticides.

Prior to a disaster, CTDEP encourages residents to take advantage of local household hazardous collection programs to clear out hazardous products before a disaster strikes, thereby limiting the amount of hazardous products that will need to be managed once an incident occurs. If storm damage is such that HHW can be containerized by residents at the point of generation, instructions will be communicated to residents as to the best management practices for curbside containerizing of HHW or for containerizing and transporting to a temporary debris staging site. Curbside containerized HHW will then be transported to a pre-identified local or regional temporary aggregation site which might include a public works garage, transfer station or some other temporary location where the waste materials can be stored until an authorized HHW contractor can be brought in to deal with the material. Private contractors will be directed to separate any HHW that may be mixed with other waste at the curb and to take the HHW only to a pre-identified temporary HHW aggregation site. Some municipalities may have access to qualified contractors from conducting HHW cleanup days. There are four regional HHW facilities located in Essex, New Haven, Manchester, and Willington. All four facilities permitted are operated by Clean Harbors. During an emergency cleanup operation, the Commissioner, through an emergency authorization, may waive or adjust permit requirements like scheduling where calling ahead to drop off waste items is usually required. The municipality may also choose to have a trained person (40 hour HAZWOPER) supervise the receiving of waste items after normal operating hours, or the HHW contractor(s) may provide additional staff as necessary to operate the facilities beyond normal operating hours.

6. Hazardous Waste

Hazardous waste will include materials like petroleum-contaminated media, chlorofluorocarbons (CFCs), and all other substances as defined in 40 CFR (Code of Federal Regulations) 261.3.

Hazardous waste, once identified by private owners or State and local officials, must be segregated from other disaster-generated waste, stored separately, and ultimately disposed of at a permitted commercial hazardous waste disposal facility out-of-state. The Toxicity Characteristic Leaching Procedure (“TCLP”) is generally required to determine if a waste is toxic (101(a)(1), 40 CFR 261.24). However, generators may use knowledge of the material to manage as hazardous waste without conducting analyses. These materials must be handled by Connecticut licensed Hazardous Waste Transporters and licensed Spill Response Contractors. If hazardous or unknown materials such as lead, PCBs, solvents, pesticides, herbicides, pool chemicals, industrial grade cleaning solutions, and other similar types of materials are discovered during a demolition or cleanup, the materials should be staged separately and with secondary containment to collect leaks and prevent further mixing with other hazardous waste or incompatible chemicals. If possible, the material should be segregated from the rest of the demolition and cleanup. During a debris management crisis, owners would be responsible for notifying the CTDEP Emergency Response and Spill Prevention Division at 860-424-3338 of spill releases that pose a potential threat to safety, health, and the environment.

7. Aggregate (Fill Materials)

For the purposes of this Plan, aggregate is defined as clean, uncontaminated brick, block, concrete and asphalt.

Clean, uncontaminated asphalt, brick and concrete can be reused. Concrete that has been contaminated by a petroleum product or chemical spill as a result of a natural disaster event should be prepared for

disposal with other construction and demolition materials. Clean materials can be transported to aggregate recycling facilities within the State. Aggregate materials should be placed in a separate pile curbside for collection.

8. Scrap Metal

For the purposes of this Plan, scrap metal refers to ferrous metals such as structural steel and steel framing members and non-ferrous metals such as wiring/conduit, plumbing (pipes and fixtures) and HVAC materials (ductwork, motors). White goods are considered as scrap metal, but are described separately.

Scrap metal, to the extent possible, should be segregated in the public right-of-way and brought to a TDSRS or directly to a scrap metal processor located in the State. Handling scrap metal from stray and abandoned vehicles is covered under the section dealing with *Stray and Abandoned Vehicles and Vessel*.

9. Electronic Waste

For the purposes of this Plan, electronic waste (e-waste) includes items such as stereos, televisions, VCRs, DVD players and computers and peripheral accessories, telephones, and other devices.

Electronic waste (E-waste) should be segregated to the extent possible at the curb. Most E-waste contains hazardous materials like lead and a host of other toxic substances that should be kept out of the landfills. TDSRS should allocate a discrete area for the collection and storage of E-waste. E-waste that is transported to a TDSRS shall be managed in accordance with Connecticut's Universal Waste Rule as found in Section 22a-449 of the Regulations of Connecticut State Agencies. For more information on Universal Waste Rule, access the CTDEP website at:

<http://www.ct.gov/dep/cwp/view.asp?a=2718&q32542#top>

10. Soil, Silt and Sediment (Uncontaminated; Contaminated)

For the purposes of the Plan, contaminated soil, silt and sediment can be defined as residuals deposited by receding flood waters which may include historical sediment from nearby water bodies, soil from yards, road and construction debris, and other material.

Uncontaminated: This is material that has not been subjected to spills, floodwaters or has been determined by analytical testing to be not contaminated. This material could be transported to a staging area until final disposal or reuse has been determined.

Contaminated: The sediment left behind after receding flood waters and washouts often contains a wide variety of pollutants including fuel oils, gasoline, human and animal waste, metals, and other materials. As a result of certain conditions, some soils may exhibit visible or known traces of petroleum or chemical spills. These soils should be excavated and placed in weather-tight containers, such as a covered and lined roll-off or inter-modal container. If these containers must be stored temporarily, they should be placed on an impervious surface, such as a concrete or asphalt parking lot for no more than 90 days. This material could be transported to a staging area until final disposal and reuse has been determined. If necessary, analytical testing should be performed to determine if the material can be reused or must be disposed. If it is evident that the spill is the result of an empty or leaking piece of equipment (e.g., electrical equipment or similar source) which has not been tested, some testing of the soil may be necessary to identify if PCBs are present. PCB containing materials must be sent to a Toxics Substance Control Act (TSCA) or hazardous waste landfill. If it contains PCB less than 50 parts per million (ppm), it can go to a subtitle D landfill with authorization from the CTDEP for in-state facilities, and from the receiving state for out-of-state facilities. Testing must be by EPA-approved method 8082. If material is contaminated by a piece of PCB equipment, the equipment must be addressed by containerizing the entire item, if small enough or by draining the remaining fluid into drums and disposing of both the fluid and

empty machine carcass at TSCA disposal facilities out-of-state. Empty equipment that had contained fluid with less than 50 ppm, once drained, can be managed as scrap metal provided it contains no free flowing liquid.

Used sandbags should be considered contaminated and should be collected, transported, and disposed of as directed by the State.

11. Animal Mortalities

For the purposes of this Plan, animal mortalities are defined as a significant loss of livestock, pets, and/or natural wildlife.

Catastrophic animal mortalities, if they occur, would more likely be seen along the shoreline and along major river flood zones. These could include fish hatcheries, livestock, and horses. Incidental occurrences of small companion pets, such as dogs, cats, rabbits, etc. may be buried on-site or containerized and disposed curbside as MSW. Historically, massive animal disposal from disease outbreaks or barn fires has taken place at landfills and resources recovery facilities. While both of those disposal options still exist for management of disaster-related animal mortalities, capacity is limited at both. Composting is a method that other states have adopted in their emergency plans for dealing with catastrophic farm animal mortalities, and could be employed in Connecticut. In 2006, the CTDEP provided input into the State's Draft Pandemic Response Plan, Department of Agriculture and DEMHS with regard to the disposal of poultry, products and contaminated articles. In 2007, the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) released a guidance document entitled *Catastrophic Mortality, Large Animal Disposal, Pit Methods-State of Connecticut*. This guidance outlines a method of disposing of large volumes of dead animals by placing the carcasses in successive layers in an excavated pit. In the event of an unexpected disaster, the federal NRCS maintains a listing of suitability for Catastrophic Mortality, Large Animal Disposal by soil component. Decisions about the disposal of large amounts of animal carcasses must be made on site specific information, including whether the animals are infectious; the location, number and type of carcasses; and the site characteristics that may limit on-site management. In the event of a catastrophic event, State and federal health and agricultural agencies should be consulted regarding the appropriate disposal method. Decisions on the disposal will be made in conjunction with the CTDEP, CTDPH, and the Connecticut Department of Agriculture; further consultations may be made with the appropriate federal agencies.

12. Waste Tires

For the purposes of this Plan, waste tires are defined as all tires that have been separated from the vehicle to which they belonged.

Tires that are collected curbside or collected from other properties as a result of cleanup efforts will be kept separate and stored and disposed of as a special waste. When stored at a TDSRS, they shall be kept dry and preferably containerized. To the extent possible, tires will be transported to: a tire recycling facility in Connecticut; the tire resources recovery facility in-state; or as a last resort, an out-of-state facility for recycling or disposal.

13. Stray and Abandoned Vehicles and Abandoned Boats

For the purposes of this Plan, abandoned vehicles are defined as cars, trucks, motorcycles, recreational vehicles, and abandoned boats are defined as recreational vessels.

Stray and abandoned vehicles (trucks, cars, and motorcycles) and vessels (recreational vessels) can impede response efforts by blocking access to roadways and waterways and can impact private property. In the event of a disaster emergency or civil preparedness emergency, CGS Title 28 Sections 28-9c and 28-11 would authorize the taking of property and provide a means for the owner to obtain just

compensation, consistent with basic constitutional requirements. In order for removal of vehicles and vessels to be eligible under FEMA reimbursements, the applicant must demonstrate the following:

- The vehicle or vessel is presenting a hazard or immediate threat (i.e., blocking ingress/egress, located in a public use area);
- The vehicle or vessel is abandoned (i.e., vehicle or vessel is not on the owner's property and the ownership is undetermined);
- Applicant must follow the local ordinances and state law by: securing ownership, verifying chain of custody, transport, and disposal of the vehicle or vessel; and
- All supporting documentation relating to removal of abandoned vehicles or vessels must be submitted to FEMA for reimbursement.

Stray and Abandoned Vehicles: The removal and recovery of stray and abandoned vehicles within the public right-of-way needs to be a cooperative effort between State and local governments, specifically Department of Motor Vehicles and law enforcement agencies. The basic procedure will be to use licensed towers/wreckers to transport collected vehicles to an authorized secured aggregation site. Once at the aggregation site, these vehicles will be inventoried for such information such as vehicle make, model, VIN number, plate number, extent and type of damage, and other related information. Vehicles will be stored in a manner to permit inspection by State authorities as required, or for reclamation by owners. Vehicles shall be discharged to appropriate entities for disposal, recycling, or other appropriation as determined by the State, after clearance through applicable State and/or local protocols and after documentation. Protocols for the removal of vehicles that may end up on private properties will need to be established by the State.

Stray and Abandoned Vessels: The removal and recovery of stray and abandoned vessels within the public right-of-way needs to be a cooperative effort among federal, State and local governments. Coordination with federal agencies, such as the USCG, FEMA, and USACE for navigable waters and NRCS for non-navigable waters will be needed to address stray and abandoned vessels. The basic procedure will be to recover and tow these stray and abandoned vessels to an authorized secured aggregation site. Once at the aggregation site, the vessels will be inventoried and marked with an identifying number for future identification. Such numbers and tags then become unique and continuous identifiers to monitor the vessel through each step. A database providing information helpful in determining the ownership of a collected boat should be made available. Such database should include, at a minimum, the following information for each boat collected: vessel registration or Hull Identification Number, vessel name, identifying colors, make and model and temporary site location. The database will be used to reunite boat owners with their boats. Boat owners are responsible for all removal costs regardless of the condition of the boat. Boats whose owners cannot be located and are found on public or private properties, or in the waters of the State will be processed in accordance with procedures adopted and published by the State. Protocols for the removal of vessels that may end up on private properties will need to be established by the State.

14. Utility Related Debris

For the purposes of this Plan, utility related debris is defined as power transformers, utility poles, cable, and other utility company material.

The Public Utilities, such as electric utilities, are responsible to remove and dispose of all utility related debris according to their normal protocol. There are a limited number of municipal utilities (Bozrah, Groton, Norwalk, Norwich, and Wallingford) that are responsible for removal and disposal of all utility related debris. Non-utility private entities, such as private companies like manufacturers or facilities such as schools, shopping centers, etc., are responsible for removal and disposal of all utility related debris.

There is an exception where a situation exists on private property that necessitates that the State or its designated agent needs to correct or alleviate, as expeditiously as possible, serious disaster or emergency-related conditions which present continued threats to the health or welfare of the residents of the State. In all cases, management of this type of waste must be managed in accordance with applicable federal, state and local regulations.

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CHAPTER 5

PLANNING and OPERATIONS:

Temporary Debris Storage and Reduction Sites

The Two Phases of Cleanup

5.1 Overview

All activities associated with massive debris clearance, removal, and disposal activities depend upon the availability of suitable sites for managing debris. In major disasters, there may be insufficient landfills to handle the debris in a timely fashion. State agencies and communities may use Temporary Debris Storage and Reduction Sites (TDSRS) to store, segregate, or reduce the volume of debris. To appropriately plan for and incorporate social, economic, and environmental considerations, it is important that TDSRS planning be conducted prior to a disaster event. Further, the effective execution of the *Disaster Debris Management Plan* relies on careful timing and a progression of various tasks and decisions. This is particularly important with regard to the sequence of operations to be followed under the two phases of cleanup.

This Chapter discusses the planning components to be considered with regard to establishing TDSRS and also discusses the two phases of cleanup: Phase I – Initial Response/Debris Clearance and Phase 2 – Recovery/Debris Removal.

5.2 Temporary Debris Storage and Reduction Sites¹

5.2.1 Overview

The importance of having potentially suitable TDSRS pre-identified and ready for use at all times in the event of a disaster event cannot be stressed enough. The advanced identification and securing/acquisition of TDSRS is the responsibility of the State and local governments. Debris management guidance from the USACE and FEMA strongly recommends that both State and local governments be responsible for pre-identifying TDSRS, preferably on public property. This will allow post-disaster cleanup efforts to begin early and in an efficient manner.

TDSRS must be approved by CTDEP to protect public health and the environment, as well as to ensure that the owner/operator of the TDSRS be qualified to receive Public Assistance funds from FEMA.

The State is working towards pre-identifying suitable TDSRS that would be activated for use through an Emergency Authorization and/or General Permit by the Commissioner of the CTDEP. In developing this Plan, the projections made with regard to the amount of debris resulting from a Category 3 hurricane indicated a range of approximately 5.5 million tons to 23 million tons. To put this amount into context, the State typically processes and manages approximately 5 million tons of solid waste (municipal solid waste; C&D) per year. Case studies of hurricane debris cleanups in Florida describe how municipal and county transfer stations became quickly overwhelmed with debris, thus necessitating the need for larger TDSRS.

¹ Excerpted from the following three documents: (1) FEMA “Public Assistance Debris Management Guide, Publication #325, April 1999, Chapter 2 – Pre-Disaster Planning; www.fema.gov/pdf/government/grant/pa/demagde.pdf; (2) Participant Manual, Debris Management Course, FEMA, National Emergency Training Center, Unit 8 – Selecting and Operating Temporary Storage Sites; (3) Florida DEP Guidance for Establishment, Operation and Closure of Staging Areas for Hurricane-generated Debris, Nov. 19, 2004 (updated Sept. 22, 2005)

The CTDEP undertook a planning exercise for the purpose of identifying potentially suitable locations for TDSRS. The CTDEP reviewed CTDEP owned land based on a number of environmental criteria and used its GIS capabilities. As a result, the CTDEP has identified six CTDEP owned properties that could be potentially suitable for designation as TDSRS. Map 5-1 shows these sites, as well as landfills (both active and inactive operations status), and transfer stations as potentially suitable locations for TDSRS. This map also shows the federal and State routes that will be important in the transport of debris both in-state and out-of-state. This exercise of locating and assessing potentially suitable publicly owned sites will be on-going now that the State's pre-event contract for debris removal is in place.

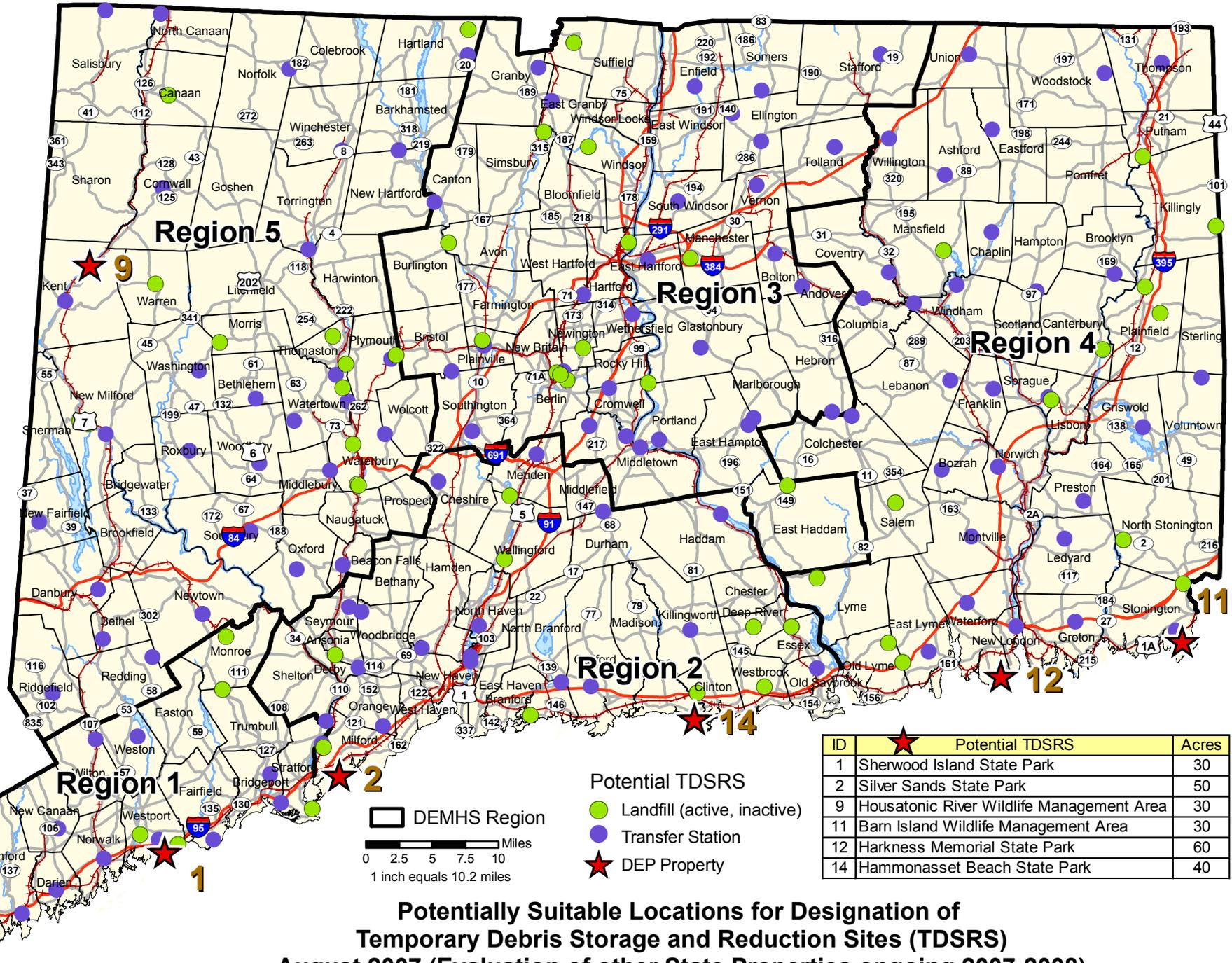
5.2.2 Environmental Considerations

After a major natural disaster occurs, the emphasis is on rapid debris clearance from the public right-of-ways. The result is that TDSRS receive debris faster than can be reduced and ultimately disposed of. Consequently, these areas must be properly sited because of the potential of adversely impacting the land, water, and air of the State. These negative impacts could include: surface and ground water contamination, soil contamination, impacts to vegetation, odor, and dust. Therefore, the siting of TDSRS using the recommended criteria described in the following sections can greatly minimize potential impacts to the environment.

5.2.3 Site Selection Guidelines for Temporary Debris Storage and Reduction Sites

TDSRS are temporary locations that can be used for the duration under a CTDEP Emergency Authorization and/or General Permit as authorized by CTDEP. Consistent with FEMA guidance and State policy and programs, the CTDEP has assembled the following guidelines for the selection of TDSRS:

- Pre-designated sites should preferably be on public property and generally consist of 10 acres or more, depending on anticipated needs. However, smaller sites may be appropriate based on the type of waste being managed and space constraints. Use public lands first to avoid costly leases. Use private land only if public sites are unavailable. If private lands are utilized for municipal debris management operations, they must have government (or its designated contractor) oversight and management.
- The required size of the site will depend on the expected volume of debris to be collected and planned volume reduction methods. As a general rule, larger sites mean fewer sites and, hence, easier site closeout. However, larger sites may create logistical problems.
- Large open sites are needed for any type of debris staging activity. Paved sites are best. Semi-paved or large parking lots paved in stone dust or gravel is the next best option. Meadows are least desirable because they may be inaccessible because of saturated soils after extended and heavy precipitation.
- If possible, per FEMA guidance, the soil, groundwater and/or surface water at and near a proposed staging area should be tested prior to receipt of disaster generated debris to establish pre-existing baseline conditions.
- TDSRS for debris other than green waste should not be allowed in public source water protection areas including aquifer protection areas, public drinking water supply watersheds, and public well source areas.
- In no case should any TDSRS be located in or within 100 feet of a wetland area or watercourse.
- TDSRS for debris other than green waste shall not be located within 200 feet of a watercourse, waterbody, or wetland, unless otherwise approved by CTDEP.
- Impacts from noise, dust, and traffic that are tolerated by the public early in a disaster recovery, may have to be curtailed later. Avoid locating the TDSRS near residential areas, schools, and hospitals.



ID	★ Potential TDSRS	Acres
1	Sherwood Island State Park	30
2	Silver Sands State Park	50
9	Housatonic River Wildlife Management Area	30
11	Barn Island Wildlife Management Area	30
12	Harkness Memorial State Park	60
14	Hammonasset Beach State Park	40

**Potentially Suitable Locations for Designation of
Temporary Debris Storage and Reduction Sites (TDSRS)
August 2007 (Evaluation of other State Properties ongoing 2007-2008)**

- Sites should not have critical habitat or rare ecosystems, threatened and/or endangered species, historic and/or archaeological sites.
- Sites should have good ingress/egress to accommodate heavy truck traffic and have a site configuration that will allow for an efficient layout.

5.2.4 Site Operation of a Temporary Debris Storage and Reduction Site

CTDEP has assembled the following guidance for operating a TDSRS based on FEMA guidance. TDSRS should have:

- Visible, demarcated buffer areas at the 200-foot or 100-foot wetland setback line.
- Stormwater controls, such as silt fences, to prevent discharge of contaminated runoff into water bodies where such discharge may cause violations of CTDEP regulations.
- Some method to control the off-site migration of dust, wood chips, or other debris residuals from vehicular traffic and from the handling of debris and ash.
- An adequate supply of water to ensure that the debris is adequately wet during the segregation, processing and/or packaging of the waste to prevent risk of fire and/or dust migration.
- Some type of access control to prevent unauthorized dumping and scavenging.
- Monitors to correctly identify and segregate waste types, especially hazardous waste from non-hazardous waste, for appropriate management.
- Oversight management for the site.
- When staging debris other than green waste, if possible:
 - install wells and perform groundwater sampling;
 - conduct spot soil sampling at “hot” areas such as household hazardous waste (HHW), ash, other waste types;
 - provide specific fuel storage areas;
 - take videos, photos of the site before operations begin;
 - periodically sketch/map layout including “hot” areas; and
 - prepare quality assurance reports, spill reports, etc. as part of the overall project.

5.2.5 Site Remediation/Closure Checklist for Temporary Debris Storage and Reduction Sites

The testing and closure of TDSRS will be undertaken in accordance with all requirements of Connecticut statutes and regulations and federal laws. The following broad guidelines apply to the closure of TDSRS:

- Owner/operators of the TDSRS will be responsible for closure of the site in accordance with CTDEP requirements, including environmental sampling, if needed.
- All disaster related debris must be removed by the expiration of the Emergency Authorization and/or General Permit, unless otherwise authorized by CTDEP.
- Mulch and wood chips produced from processing uncontaminated green waste may be left on-site if prior approval is obtained from CTDEP. CTDEP will consider these requests on a case-by-case basis.
- Areas that were only used to stage uncontaminated green waste, or ash from authorized burning of solely vegetative debris, will not require any environmental sampling after the debris or ash is removed unless there is reason to believe that the area may have become contaminated (e.g., significant visible staining or known contaminant releases in the area).
- Areas that were used to stage mixed debris, or ash from burning mixed debris, will normally require environmental sampling after the debris or ash is removed, unless there is reason to believe that no contamination in the area occurred (e.g., the area is paved with asphalt or concrete and there is no visible evidence of staining or known contaminant releases).

- Areas that were used to stage household hazardous waste and hazardous waste will require environmental sampling after all material has been removed from the site. These sites may require possible remediation to meet the goals of the State's Remediation Standard Regulations, Regulations of Connecticut State Agencies (RCSA) 22a-133k-1 through 22a-133k-3.
- When sampling of soils and groundwater is needed, it should typically include at least four soil samples and one groundwater sample collected from a monitoring well or direct sampling method in areas showing significant visible staining or areas believed to be impacted by the staged waste or ash. Unless otherwise approved by CTDEP, these samples should normally be analyzed for total RCRA metals, volatile organic compounds and semi-volatile organic compounds using approved EPA methods and CTDEP protocols. CTDEP may also require other approaches to conducting environmental sampling at staging areas on a case-by-case basis, such as requiring that the site meet the criteria of the Remediation Standard Regulations, RCSA Connecticut State Agencies (RCSA) 22a-133k-1 through 22a-133k-3.

5.2.6 Additional Testing Criteria

The following is additional testing criteria that may be required, at the discretion of the Commissioner, under certain debris staging situations:

5.2.6.1 Ash Testing

- All ash piles in mixed debris staging sites should be tested using the Toxicity Characteristic Leaching Procedure. One composite sample from each separate ash pile should be analyzed. A minimum of ten samples taken from different strata within the pile is appropriate to develop the composite sample, and if unacceptable contamination is not found, ash may be transported out-of-state to a permitted landfill or placed in a permitted Connecticut ash landfill.
- If unacceptable levels of contamination are detected, the material should be further evaluated and placed in a permitted ash landfill (if contamination is within permit limits) or a hazardous waste landfill, as appropriate.

5.2.6.2 Soil Testing

- Soils should be tested for the presence of volatile hydrocarbon contamination. Samples should be taken immediately below the surface. This testing should be done if it is suspected that they were hazardous materials, such as oil or diesel fuel spills, dumped on the site. This phase of the testing should be done after the stockpiles are removed from the site.
- If burning is conducted, the entire burn site should be inspected for any areas of discoloration, odor, or obvious problems. Such areas should be identified and restored, as necessary.

5.2.6.3 Groundwater Testing

- Groundwater should be tested on selected sites to determine the probable effects of rainfall leaching through either the stockpile areas or ash areas if burning is conducted. Although every effort must be made to avoid siting TDSRS in areas important for public water supply (section 5.2.3), it is possible that TDSRS could of necessity be sited in areas where the groundwater used for drinking water, whether through public or private drinking water supply wells.
- Runoff from stockpiled debris within the storage areas has the potential to contaminate groundwater. Although the probability of contamination is considered low, testing is needed because of the importance of protecting water quality and

assessing consistency with Connecticut's Water Quality Standards, particularly in an area served by private drinking water supply wells.

- Groundwater monitoring wells or temporary sampling points should be placed around the perimeter of the stockpiles (especially for stockpiles of things like white goods, electronics, HHW, etc) that have remained for an extended period of time prior to final disposal, and burn piles, to determine if there is any type of contamination.
- Testing should occur at selected sites after all debris is removed. Results of such testing will be compared to the criteria defined in the Remediation Standard Regulations, RCSA 22a-133k-1 through 22a-133k-3 for the applicable groundwater classification, as defined in the Connecticut's Quality Standards (authorized by the CGS Section 22a-426) and associated water quality classification maps.
- If applicable, results should also be compared to Drinking Water Action Levels as identified by the Drinking Water Section of the DPH.

5.2.6.4 Generic Checklist for Quality Assurance at Closeout

CTDEP presents a generic checklist for Quality Assurance (QA) that should be considered at the close-out of each TDSRS. The Responsible Party for the site is responsible for closure in accordance with all applicable federal, State and local requirements. The generic checklist includes, but is not limited to, the following:

- Lease special conditions met?
- Debris stockpiles removed and disposed?
- Ash pile tested, removed, disposed?
- *Illegally filled or disturbed wetlands* restored and locations noted on appropriate State and municipal maps?
- Chain of custody records complete for the site?
- Location of storage area stockpiles marked on plans?
- Contractor petroleum and HHW spills remediated?
- Perimeter berms leveled and topsoil restored?
- Existing groundwater monitoring wells identified on map, secured and restored?
- Environmental records submitted (contractor groundwater and air quality monitoring if any, chain of custody records for HHW, other state approvals)?
- Site secured wherever stockpiles (chips, tires, etc.) do remain, to discourage illegal dumping?
- All contractor equipment and temporary structures removed?
- Compare baseline data of the temporary site to conditions after the stockpile is removed and the contractor vacates the site.
- Use GPS to locate the sites for future reference needs.

5.2.7 Completing Closeout

CTDEP should be informed in writing when all closure activities at the TDSRS area are completed. If environmental sampling was conducted as part of the closure activities, then the closure notice should include the results of this sampling, unless otherwise approved by CTDEP.

5.3 The Two Phases of Cleanup

5.3.1 Overview

There are two phases in managing significant amounts of debris resulting from a natural disaster. Phase 1 is the initial response and consists primarily of clearing the debris from the roads that hinders immediate life saving actions and that poses an immediate threat to public health and safety. Phase 2 consists of

removing, segregating, and disposing the debris that hinders the orderly recovery of the community and poses less immediate threats to health and safety.

5.3.2 Phase 1 – Initial Response/Debris Clearance

The Phase One operation typically occurs during the first 24 to 72 hours following an event. The State, working together with the municipalities, will clear major State and local roads. Roadway debris will be moved to the side of the road to provide access into devastated areas. In this first phase, no attempt is made to remove, segregate or dispose of the debris, only to provide debris clearance based upon the following generic hierarchy of importance and field assessments:

- Support to Search and Rescue and other life saving resources.
- Critical life sustaining facilities (hospitals, nursing homes, etc.).
- Additional life sustaining facilities (emergency messing and sheltering, sites for various debris management teams, commodity Points of Distribution, etc).
- Critical community support facilities (police, fire, EMS, and Emergency Management sites).
- Longer-term sustaining facilities (water treatment and sewage facilities, electrical facilities critical for power restoration, etc.).
- Remaining critical facilities, e.g. critical communication nodes.
- Major traffic routes.
- Major flood drainage ways.

Priority road systems in Connecticut are the federal interstates (including the entrances/exits), the parallel roads along the federal interstates and the State routes. Table 5-1 shows the major routes that are found within the State’s five Emergency Management Regions/Assigned Debris Control Zones.

Table 5-1. Connecticut’s Emergency Management Regions/Assigned Debris Control Zones and the federal interstates and State roads located within each of the zones.

Assigned Debris Control Zones	Federal Interstates	State Roads
1	I-95	1, 7, 15, 53, 57, 58, 59, 106, 107, 127, 130, 135
2	I-91, I-95, I-691	1, 5, 17, 22, 34, 68, 69, 79, 81, 103, 110, 114, 121,122, 139, 145, 146, 147, 149, 152, 154, 156, 337
3	I-91, I-84, I-384, I-291	2, 3, 6, 10, 19, 30, 44, 71, 71A, 75, 83, 94, 99, 140, 159, 167, 173, 177, 178, 179, 185, 186, 187, 194, 196, 217, 286, 314, 315, 316, 322, 364
4	I-95, I-395, I-84	1, 1A, 2, 2A, 6, 11, 12, 16, 21, 27, 31, 32, 44, 82, 87, 89, 97, 101, 117, 131, 138, 156,163, 165, 169, 171, 184, 193, 195, 198, 203, 215, 244, 287, 289, 320, 354
5	I-84	4, 6, 7, 8, 20, 37, 39, 41, 43, 45, 47, 53, 55, 58, 61, 64, 67, 73, 102, 112, 116, 118, 128, 132, 172, 188, 199, 202, 222, 254, 262, 263, 272, 302, 341, 361

Per the *State of Connecticut’s Natural Disaster Plan, 2006*, ConnDOT is responsible for clearing and/or removing wreckage and debris from state owned or maintained transportation facilities and also provides support of local debris management operations when conditions permit. Municipalities are responsible

for their local roads. Immediate debris clearing actions on State and local roads and properties should be supervised by local public works or ConnDOT personnel using all available resources. In the event of a natural disaster and based on feedback from field personnel, a determination will be made by each impacted municipality if their in-house capabilities are sufficient to remove the quantity of debris generated by the event. If it is determined that the quantity exceeds the municipality's capabilities, municipalities that have in place a Time and Materials Contract for debris clearing for an initial 70 hour period of work should activate their contracts.

5.3.3 Phase 2 – Recovery /Debris Removal

As indicated earlier in this Plan, the State has developed pre-events contracts that cover debris removal operations and the monitoring of the debris removal operations. The following discussion of Phase 2 implementation is based upon these pre-event contracts being in place.

As the major storm event approaches Connecticut, the State EOC Unified Command through DEMHS will be in contact with the selected contractors for both types of pre-event contracts (Disaster Debris Management Services/Removal; and Debris Monitoring) to advise them of impending conditions. These contracts will be implemented as part of Phase 2 – Recovery/Debris Removal.

If a Presidential disaster declaration is made after the storm event, and the State determines that the quantity of debris generated exceeds the State's capabilities to clear, remove and dispose of it, the State may request direct federal assistance for debris removal operations. Local requests for additional assistance and resources are made to the State EOC through the DEMHS Regional Coordinators. The State Coordinating Officer (SCO) requests direct federal assistance through the FEMA Federal Coordinating Officer (FCO). FEMA will then assign a Mission Assignment to the USACE to assist in the debris cleanup operations. The Mission Assignment of the USACE may be very specific, complementing that of the private contractors retained by the State or local governments.

Phase 2 will be implemented within two to five days following a major debris-generating event and will encompass the process of debris removal and disposal. This delay is normal and allows time for affected citizens to return to their homes and begin the cleanup process. Debris must be brought to the right-of-way or curb to be eligible for removal at public expense. Connecticut's *Disaster Debris Management Plan* is based on recycling and materials separation at the point of generation to the extent possible, with additional segregation occurring at TDSRS.

Phase 2 activities include:

- Activation of pre-positioned contracts,
- Notification to citizens of debris removal procedures,
- Permitting and the activation of TDSRS,
- Removal of debris from rights-of-way and critical public facilities, and
- Movement of debris from TDSRS to final recycling or disposal facilities.

The initial roadside piles, on both state and local roads, will become the temporary collection locations for additional yard waste and other storm-generated debris such as construction material, personal property, trash, white goods, roofing materials, and household hazardous waste. To the extent possible, proactive information will be disseminated to the municipalities and public by CTDEP outlining Best Management Practices (BMPs) to keep as much of these materials segregated as possible. Emphasis will be placed on actions that the public can perform to expedite the cleanup process, such as separating debris into these six piles at the curb:

- Putrescent municipal solid waste, e.g. rotting food waste;
- Green waste (includes tree and shrub waste only, no lumber);
- Scrap metals and white goods;

- Construction and demolition materials including untreated and treated wood, floor and wall tiles, roofing materials, wallboard, siding, other structural materials, carpeting, and other bulky waste;
- Aggregate materials such as asphalt, brick, block, concrete;
- Household hazardous wastes such as waste oil, antifreeze, batteries, paints and wood preservatives, fertilizers, pesticides, solvents, and other chemicals. If a substance cannot be identified, it should be assumed to be HHW.

If due to the magnitude of the emergency, onsite separation becomes impractical, at least green waste, asbestos contaminated waste, and hazardous waste should be segregated from other debris on site. Otherwise, the combined non-hazardous and hazardous waste might have to be disposed of as hazardous waste. Business waste that is collected will have to be monitored to be certain it does not meet hazardous waste definitions. Waste handlers should understand these requirements as well as have a plan for controlling and diverting the hazardous waste from the rest of the debris stream.

Debris piles will be kept away from fire hydrants and utility valves and from blocking drainage in swales located in the right-of-way. CTDEP or its agent(s), with the assistance of local officials, will inspect debris removal activities to ensure that the proper separation and materials management requirements are maintained and that the suitable sites are utilized for temporary storage. Limited in-state landfill disposal capacity and costly out-of-state disposal make it imperative that the proper segregation and handling take place so debris, such as green waste and scrap metals, are not rendered un-recyclable. CTDEP will also inspect reports of illegal dump sites or incidents of illegal dumping, and the mixing of recyclable materials with other debris.

If possible, those responsible for cleanup should first contact the CTDEP for information on available solid waste management facilities in the affected area(s). Those responsible for cleanup should also access the CTDEP website at www.ct.gov/dep. Direct contact with the facilities can also be attempted. The State EOC will maintain a list of these facilities based on information provided by CTDEP.

5.3.4 Monitoring of Contracts/Contractors under Phase 1 and Phase 2

Contractors chosen by a local municipality, the State or the USACE to assist with cleanup must possess knowledge of applicable solid waste and recycling regulations and of any CTDEP emergency authorizations in order to correctly route waste streams to suitable TDSRS and/or final disposal facilities.

Contractors hired to assist with cleanup will sometimes place separated wastes into the same truck or first push the curbside debris to a cul-de-sac or an intersection and load it there. Therefore, contractor performance will be closely monitored by federal, State and municipal personnel or by their agent(s), with the emphasis being placed on curbside sorting. The monitoring is a necessary requirement to assure good sorting practices that make the final disposal much faster and cheaper.

The primary tracking mechanism for all debris loaded, hauled, and disposed of under this Plan will be the Load Ticket which will be initiated at debris loading sites (curbside; TDSRS) and will be closed-out upon drop-off of each load at a TDSRS or final disposal or recycling facility. These tickets will be used to document the activities of the State and will serve as supporting documentation for FEMA Public Assistance funding.

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CHAPTER 6 SUMMARY CHECKLIST

Introduction

The *State's Disaster Debris Management Plan* has been prepared as an annex to the *State's Natural Disaster Plan* and establishes comprehensive procedures and guidelines for managing disaster debris in a coordinated, environmentally responsible, and cost effective manner. The *State's Disaster Debris Management Plan* was developed so as to be consistent with FEMA guidance found under the Public Assistance (PA) Pilot Program.

Per FEMA, major components of a debris management plan are to include:

- An established debris management structure;
- An assessment of the situation and assumptions;
- A well-defined debris collection strategy;
- An identification of potentially suitable locations for TDSRS;
- Procedures for contracted services for debris removal and the monitoring of those activities;
- Processes for demolition and debris removal from private property;
- Processes for dissemination of information; and
- Health and safety measures.

Per FEMA, there are 15 criteria that must be met for a plan to be approved (see below).

Summary Checklist

The *State's Disaster Debris Management Plan* will be submitted to FEMA Region 1 for approval per the requirements under the federal PA Pilot Program. The approval is being sought for the purpose of qualifying the State to receive an increased federal share of an additional five percent Federal cost share for debris removal (Category A), as well as other benefits offered under this Pilot Program. In order for the Plan to be approved, certain criteria have been established by FEMA that must be met. Summarized below is a synopsis as to how the *State's Disaster Debris Management Plan* addresses each of the criteria set forth:

1. Does the Plan outline the roles and responsibilities of the various functions identified?
 - Yes. Chapters 1 and 3 outline State, local and federal authorities and the role of government and the private sector.
2. Does the Plan address health and safety procedures in accordance with federal/State/local health and safety standards/requirements?
 - Yes. Chapter 1, Section 1.1 under State Contracts discussion; Section 1.2.2.3 summarizes the programs of the State of Connecticut's Department of Labor's Division of Occupational Safety and Health.

3. Does the Plan identify procedures for acquiring required regulatory permits?
 - Yes. Chapter 3, Section 3.2.2 outlines the processes by which emergency authorizations, temporary authorizations, and open-burning authorizations can occur.
4. Does the Plan address the basis for planning that include assumptions for various events and forecasting/modeling for debris volumes?
 - Yes. Chapter 2, Section 2.3 presents two modeling exercises (USACE and HAZUS Multi Hazard Disaster Simulation Model) that provide debris-modeling projections.
5. Does the Plan include priorities for the clearance, collection, and disposal of debris?
 - Yes. Chapter 5, Section 5.3.2 discusses Initial Response/Debris Clearance and includes priorities for debris removal and identifies priority road systems.
6. Does the Plan address recycling?
 - Yes. The Plan is predicated upon the goal to maximize potential processing and recycling options consistent with the *State Solid Waste Management Plan*. Chapters 1, 3, 4, and 5 address recycling.
7. Is there a process for the collection and disposal of hazardous waste and/or white goods?
 - Yes. Chapter 4, Section 4.5.1 discusses the collection and disposal of these types of wastes.
8. Does the Plan address debris monitoring of the pickup sites, Debris Management Sites or Temporary Debris Storage and Reduction Sites and final disposal?
 - Yes. Chapter 1, Section 1.1 discusses the State's establishing two types of contracts; one contract for debris removal operations and the other contract for the monitoring of debris removal operations.
9. Does the Plan identify TDSRS or Debris Management Sites and potential landfills for final disposition to include operation and site management procedures and staffing?
 - Yes. Chapter 5, Section 5.2 discusses and identifies potentially suitable locations for TDSRS and other requirements; Chapter 4 discusses potential disposal facilities; and Appendix C identifies Connecticut Permitted Waste Facilities.
10. Does the Plan address the environmental requirements?
 - Yes. Chapter 3, Section 3.2.2 provides CTDEP authorities to permit certain activities; Chapter 4, Section 4.5 presents waste handling requirements; and Chapter 5, Section 5.2 outlines the requirements for the TDSRS.
11. Does the Plan address contracting/procurement procedures?
 - Yes. Chapter 1, Section 1.1 State Contracts references the statutory requirements and procedures.
12. Does the Plan address the authority and processes for private property debris removal?
 - Yes. Chapter 1, Section 1.2.2 outlines the State's broad authorities in the event of a disaster, specifically referencing CGS 28-9 and 28-11; Chapter 1, Section 1.2.2.1 makes reference to the *State's Natural Disaster Plan* that includes a section on private property.
13. Does the Plan address the dissemination of information to the general public and media?
 - Yes. Chapter 3, Section 3.2.1 outlines the process per the *State Natural Disaster Plan*.

14. Does the applicant have a list of pre-qualified contractors?

- Yes. The State successfully completed its solicitations for professional services for both the monitoring of the disaster debris removal operations and disaster debris removal. These contracts are as follows:

Contract Title: Disaster Debris Monitoring Services for the State of CT

Contract No. 08PSX0028AA

Contractor: Beck Disaster Recovery, Inc.

Contract Period: June 17, 2008 through June 30, 2011;

Contract Title: Disaster Debris Management Services for the State of CT

Contract No.: 08PSX0027AA and AB

Contractors: AshBritt, Inc.; and Phillips and Jordan, Inc.

Contract Period: August 20, 2008 through July 31, 2011

These contracts can be accessed through the State's DAS State Contract Portal at:

http://www.das.state.ct.us/Purchase/Portal/Portal_Home.asp#Contracts

15. Does the applicant have documentation demonstrating how the list was obtained?

- Yes. The State of Connecticut's Department of Administrative Services led the State's efforts in the posting of the requests for proposals and the resulting contracts and followed state procedures and policies (See page 1-3, *contracts prepared pursuant to Connecticut CGS Title 4a, Chapter 58 – Purchases and Printing*). DAS is the State Agency responsible for the State's Contracting Portal which is a single Internet website that hosts all contracting opportunities by Connecticut state agencies.

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- Commonwealth of Massachusetts, Debris Management Plan, Appendix to the State Comprehensive Emergency Management Plan*, Massachusetts Emergency Management Agency, 10/2002.
- Connecticut Insurance Climate Change Summit, October 27, 2005; Presentation - *US Property and Casualty Insurance Industry and Global Warming*, Joseph Boren, Chairman and Chief Executive Officer, AIG Environmental. Source for Total Value of Insured Coastal Exposure (2004) – Insurance Information Institute.
- Debris Management Plan Workshop, Student Guide, FEMA 604/July 2007. FEMA.
- Frequently Asked Questions (FAQ) Public Assistance Pilot Program, FEMA Fact Sheet 9580.400a.
- Guidance for Establishment, Operation and Closure of Staging Areas for Hurricane-Generated Debris*, Florida Department of Environmental Protection, Nov. 19, 2004 (updated Sept. 22, 2005).
- Participant Manual, Debris Management Course, FEMA, National Emergency Training Center, Unit 8 – Selecting and Operating Temporary Storage Sites.
- Public Assistance Debris Management Guide*, Publication #325, FEMA, April 1999.
- Public Assistance Pilot Program, FEMA 596, 2007.
- State of Connecticut, Connecticut General Statutes.
- State of Connecticut, Regulations of Connecticut State Agencies.
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- State of Connecticut Department of Labor, Division of Occupational Safety and Health, Emergency Operations Plan, January 26, 2007*.
- State of Connecticut, Natural Disaster Plan, 2006*, Connecticut Department of Emergency Management and Homeland Security, 2006.
- State of Connecticut, Natural Hazard Mitigation Plan, 2007-2010*, Connecticut Department of Environmental Protection, 2007.
- State of Connecticut, Solid Waste Management Plan, amended 2006*, Connecticut Department of Environmental Protection, 2006.

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Appendix A. Abbreviations Used in this Plan

<u>Acronym</u>	<u>Definition</u>
ABC	Asphalt, Brick, and Concrete Rubble
ACM	Asbestos Containing Material
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
C&D	Construction and Demolition debris
ConnDOT	Connecticut Department of Transportation
CONN-OSHA	Connecticut Department of Labor Division of Occupational Safety and Health
CTDEP	Connecticut Department of Environmental Protection
DAS	Connecticut Department of Administrative Services
DEMHS	Connecticut Department of Emergency Management & Homeland Security
DOL	Connecticut Department of Labor
DPH	Connecticut Department of Health
DPS	Connecticut Department of Public Safety
DPW	Connecticut Department of Public Works
EMAC	Emergency Management Assistance Compact
EOC	State Emergency Operations Center
EPA	U.S. Environmental Protection Agency
ESF	Emergency Support Function
FEMA	Federal Emergency Management Agency
FCO	Federal Coordinating Officer
FEMA	Federal Emergency Management Agency
HHW	Household Hazardous Waste
ICM	Incident Command System
JIC	Joint Information Center
MSW	Municipal Solid Waste
NHMP	Natural Hazard Mitigation Plan
NDP	<i>State of Connecticut Natural Disaster Plan, 2006</i>
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
NIMS	National Incident Management Systems
NRCS	Natural Resource Conservation Service
OSHA	Occupational Health and Safety Administration
PA	Public Assistance
PAO	Public Assistance Officer
RCSA	Regulations of Connecticut State Agencies
RFP	Request for Proposal
RRF	Resources Recovery Facility
RSR	Connecticut's Remediation Standard Regulations
ROW	Right-of-Way
SCO	State Coordinating Officer
SWMP	<i>State of Connecticut Solid Waste Management Plan, amended 2006</i>
TCLP	Toxicity Characteristic Leaching Procedure
TDSRS	Temporary Debris Storage and Reduction Sites
TSCA	Toxics Substance Control Act
TS	Transfer Station
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
VRF	Volume Reduction Facility

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Appendix C. Connecticut Permitted Waste Facilities, 2008

- C.1 Transfer Stations (pgs. C-3 thru C-8)**
- C.2 Volume Reduction Facilities (pgs. C-9 thru C-10)**
- C.3 Landfills (C-11 thru C-23)**
- C.4 Resource Recovery Facilities (pg. C-25)**
- C.5 Intermediate Processing Center (pg. C-27)**
- C.6 Recycling Facilities (pg. C-29)**
- C.7 Treatment Storage (pg. C-31)**
- C.8 Sludge (pg. C-33)**
- C.9 Leaf Compost Facilities (pgs. C-35 thru C-38)**
- C.10 Household Hazardous Waste (pg. C-39)**

***KEY – M = Municipal; P = Private; ST = State of Connecticut**

ALUM RESIDUALS-Aluminum Residuals; ANFR-Antifreeze; ASB-Asbestos; ASH-Ash Residue; BAT-Batteries; BCP-Bottles, Cans, Plastics, and/or Glass; BIO-Biomedical Waste; BRSH-Brush; BTLA-Spent Lead-Acid Batteries; BTMX-Spent Mixed Batteries; BW-Oversized MSW; C&D-Construction & Demolition; CARD-Cardboard; DC-Corrosives; GRASS-Grass; HW-Hazardous Waste; HHW-Household Hazardous Waste; HG-Mercury Containing Lamps; IND-Industrial Waste; IND SLUG-Industrial Sludge; LAND-Land Clearing Debris; LEAF-Leaves; MSW-Municipal Solid Waste; MTL SLUG-Metal Sludge; PAPER-Paper; RC-Recyclables; ROOFING-Roofing; SAWDUST-Sawdust; SCRP-Scrap Metal; SEWAGE SLUDGE-Sewage Sludge; SLAG-Slag; SLUG-Sludge; SPC-Special Waste; TIRE-Tires; UO-Used Oil; WHIT-White Goods; WOOD-Clean Untreated Wood; WOODCHIPS-Woodchips; WTS-Water Treatment Sludge

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Appendix C. Connecticut Permitted Waste Facilities, 2008

APPENDIX C.1 - PERMITTED WASTE FACILITIES: TRANSFER STATIONS (TS)						
MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE *see key	STATUS
M	Andover	Shoddy Mill Road	65	Andover TS	BW, C&D, MSW, RC, TIRE, WOOD	Active
M	Ansonia	North Division Street	133	Ansonia TS	BW, MSW, RC, TIRE, WOOD	Active
M	Ashford	Upton Road	35	Ashford TS	BW, MSW	Active
M	Avon	281 Huckleberry Hill Road	27	Avon TS	ANFR, C&D, MSW, RC	Active
M	Barkhamsted	Rt 44	8	Barkhamsted RRDD#1TS	ANFR, BAT, BCP, C&D, MSW	Active
M	Beacon Falls	Lopus Road	112	Beacon Falls TS	CARD, C&D, LAND, MSW, PAPR	Active
M	Bethel	Sumpaug Road	125	Bethel TS	BW, MSW	Active
M	Bethlehem	409 Main Street South, Rt 61	199	Bethlehem TS	C&D, MSW, RC, TIRE, UO	Active
M	Bolton	School House Road	201	Bolton TS	C&D, MSW, RC, TIRE, UO	Active
M	Bozrah	255 Bozrah Street, Route 163	102	Bozrah TS	BW, MSW, RC, TIRE, WOOD	Active
M	Branford	747 East Main Street	144	Branford TS	BW, C&D, MSW, SCRAP	Active
M	Bridgeport	475 Asylum Street	165	Bridgeport TS	BW, MSW	Active
M	Bristol	Lake Avenue	221	Bristol TS	ANFR, C&D, MSW, RC, SCRP, UO, WOOD	Active
M	Brooklyn	Rukstella Road	37	Brooklyn TS	C&D, MSW, UO, RC	Active
M	Canaan	Route 63	5	Canaan TS	ANFR, C&D, MSW, RC, WOOD	Active
M	Canton	Farmington Road	26	Canton TS	BAT, C&D, MSW, RC, TIRE	Active
M	Chaplin	Route 198	203	Chaplin TS	MSW, RC	Active
M	Cheshire	1286 Waterbury Road, Rt 70	85	Cheshire TS	C&D, MSW, RC, TIRE, UO	Active
M	Clinton	117 Old Nod Road	150	Clinton TS	MSW, RC	Active
M	Colchester	Old Amston Road	3465	Colchester TS	BRSH, C&D, MSW, RC, SCRP	Active
M	Cornwall	RT 4	266	Cornwall TS	ANF, BAT, RC, MSW, UO	Active
M	Coventry	South Street Extension Rt 31	34	Coventry TS	BW, MSW, RC	Active
M	Cromwell	Shunpike Road, Route 3	202	Cromwell TS	BW, C&D, SCRP, UO	Active

MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE * see key	STATUS
P	Danbury	307 White Street	108	Danbury Transfer Systems, Inc. TS	BCP, C&D, MSW, TIRE, WOOD	Active
P	Darien	126 Ledge Road	182	Darien CRRA TS	BW, MSW, RC	Active
M	Darien	126 Ledge Road	182	Darien TS	BCP, CARD, C&D, LAND, PAPR	Active
M	Deep River	Route 80	152	Deep River TS	MSW	Active
M	Derby	Pine Street	134	Derby TS	BW, MSW	Active
M	East Granby	Route 20 and Muddy Brook	246	East Granby TS	ANFR, C&D, LAND, RC, TIRE	Active
M	East Haddam	Nichols Road (Route 149)	98	East Haddam TS	BW, MSW, SCRP, WOOD, TIRE	Active
M	East Hampton	Bear Swamp Road	97	East Hampton TS	BAT, BCP, BRSH, C&D, MSW	Active
M	East Hartford	25 Ecology Drive	29	East Hartford - TS	BAT, C&D, SCRP WOOD, TIRE	Active
M	East Lyme	91 Roxbury Road	155	East Lyme TS	BCP, C&D, MSW, SCRP, UO	Active
M	Eastford	Westford Road	22	Eastford TS	ANFR, BW, MSW, RC, WOOD	Active
P	Ellington	Route 140	15	Ellington CRRA TS	MSW, RC	Active
M	Ellington	21 Main Street	419	Ellington TS	BW, C&D, MSW, UO	Active
M	Enfield	Town Farm Road	197	Enfield Recyclables TS	BW, C&D, LAND, PAPR	Active
P	Essex	Middlesex Turnpike (Route 9A)	151	Essex CRRA TS	C&D, LAND, RC	Active
M	Essex	Middlesex Turnpike (Route 9A)	151	Essex TS, Town	BCP, BTLA, C&D, HHW, MSW, RC, WOOD	Active
P	Fairfield	One Rod Highway	196	Fairfield CRRA TS	MSW	Active
M	Franklin	179 Pond Road. Route 207	193	Franklin TS	MSW	Active
M	Glastonbury	2340 New London Turnpike	64	Glastonbury TS	ANFR, BAT, BW, MSW, WOOD	Active
M	Granby	Old Stagecoach Road	9	Granby TS	MSW	Active
P	Greenwich	Holly Hill Lane	174	Greenwich CRRA TS	ANFR, BAT, C&D, MSW, SCRP	Active
M	Greenwich	Holly Hill Lane	174	Greenwich TS	BW, BW	Active
M	Griswold	1148 Voluntown Road	420	Griswold TS	BW, MSW, RC, TIRE, WOOD	Active
M	Groton	Flanders Road	157	Groton TS	BW, C&D, MSW	Active
M	Guilford	Route 1	147	Guilford TS	C&D, MSW, RC, TIRE, WOOD	Active
M	Hamden	231 Wintergreen Avenue	218	Hamden TS	MSW	Active
M	Guilford	Route 1	147	Guilford TS	C&D, MSW, RC, TIRE, WOOD	Active
M	Hamden	231 Wintergreen Avenue	218	Hamden TS	MSW	Active

MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE * see key	STATUS
M	Hampton	Landfill Road, Windham Turnpike	72	Hampton TS	C&D, LAND, MSW	Active
M	Hartland	Welsh Road	7	Hartland TS	C&D, PAPR, SCRP, UO, WOOD	Active
M	Hebron	Old Colchester Road	99	Hebron TS	C&D, LAND, MSW, RC, TIRE	Active
M	Kent	38 Maple Street	275	Kent TS	CARD, MSW, RC	Active
M	Killingly	Brickhouse Road	38	Killingly TS	BW, MSW, RC, SCRP, UO	Active
M	Killingworth	Recycle Way	148	Killingworth TS	C&D, MSW, SCRP, UO	Active
M	Lebanon	Route 207	76	Lebanon TS	C&D, MSW, RC, SCRP, TIRE	Active
M	Ledyard	Route 117	122	Ledyard TS	C&D, MSW, RC	Active
M	Mansfield	Warrenville Road, Route 89	36	Mansfield TS	ANFR, C&D, LAND, MSW, RC	Active
M	Marlborough	Quinn Road	192	Marlborough TS	BAT, BW, MSW, WOOD	Active
M	Meriden	55 Michael Drive	424	Meriden TS	ANF, MSW, PAPR, RC, WOOD	Active
M	Middlebury	Woodside Avenue	200	Middlebury TS	MSW, RC	Active
M	Middlefield	Cherry Hill Road	116	Middlefield - Middlefield/Durham – T/S	BW, C&D, MSW, UO	Active
P	Middletown	80 and 90 Industrial Park Road	204	Middletown Dainty Rubbish Service, Inc.-T/S	MSW	Active
P	Middletown	80 and 90 Industrial Park Road	204	Middletown Stericycle Inc. -T/S	BIO	Active
M	Middletown	Johnson Street	287	Middletown TS	C&D, MSW, SCRP, TIRE	Active
P	Milford	231 Oronoque Road	170	Milford CRRA TS	MSW	Active
M	Montville	669 Oakdale Road, Route 163	119	Montville TS	C&D, MSW, RC, SCRP	Active
M	Morris	Route 109	39	Morris TS	C&D, LAND, MSW, UO	Active
M	New Canaan	Old Kings Highway, Route 123	162	New Canaan TS	BW, C&D, MSW, RC, TIRE	Active
M	New Fairfield	Bigelow Road	106	New Fairfield TS	BW, MSW	Active
M	New Haven	Middletown Avenue	138	New Haven TS	ANFR, C&D, MSW, RC, SCRP	Active
P	New Haven	158 R Middletown Avenue	219	New Haven, Circle of Life, LLC - T/S	C&D, MSW, RC, WOOD	Active
M	New London	Lewis Street	158	New London TS	MSW	Active
M	New Milford	18 Youngsfield Road	431	New Milford	MSW	Active

MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE * see key	STATUS
P	Newtown	Ethan Allen Boulevard	198	Newtown Wheelabrator Environmental Systems, Inc. T/S	BAT, BW, MSW, RC, SCRP	Active
M	Newtown	Ethan Allen Boulevard	198	Newtown TS	C&D, MSW, SCRP	Active
M	Norfolk	599 Greenwoods East, Route 44	6	Norfolk TS	C&D, LAND, UO, WOOD	Active
M	North Canaan	580 West Main Street	2	North Canaan TS	BW, SCRP, UO, WOOD	Active
M	North Haven	Sackett Point Road, Universal Drive	209	North Haven TS	BTLA, BW, C&D, MSW	Active
M	North Stonington	215 Wintechog Hill Road	123	North Stonington TS	MSW, RC, TIRE, UO	Active
P	Norwalk	1 Crescent Street	220	Norwalk CRRA TS	C&D, MSW, RC, SCRP, UO	Active
M	Norwich	73 Rogers Road	185	Norwich TS	BW, MSW	Active
M	Old Lyme	Four Mile River Road	176	Old Lyme TS	MSW	Active
M	Old Saybrook	Spencer Plains Road	153	Old Saybrook TS	MSW, RC, SCRP, WOOD, TIRE	Active
M	Orange	South Orange Center Road, Route 1	137	Orange TS	BW, MSW	Active
M	Oxford	21 Great Oak Road	425	Oxford TS	ANFR, C&D, MSW, RC, TIRE	Active
P	Plainville	25 Norton Place	191	Plainville CWPM, LLC -TS	BW, MSW	Active
M	Plymouth	South Main Street	427	Plymouth TS	BW, C&D, MSW, SCRP, UO	Active
M	Portland	39 Sand Hill Road	95	Portland TS	MSW	Active
P	Portland	203 Pickering Street	315	Portland Charles M. Gordon & Sons - T/S	ASB	Active
M	Preston	Ross Road	105	Preston TS	C&D, RC	Active
M	Redding	84 Hopewell Woods Road	127	Redding TS	C&D, MSW, WOOD	Active
M	Ridgefield	Old Quarry Road	126	Ridgefield TS	C&D, LAND, MSW, SCRP, UO	Active
M	Roxbury	Lower Country Road	78	Roxbury TS	C&D, MSW, SCRP, TIRE, UO	Active
M	Salem	Rattlesnake Ledge Road	101	Salem TS	RC, TIRE, UO	Active
M	Salisbury	Route 41	1	Salisbury/Sharon TS	BCP, C&D, MSW, SCRP, UO	Active
M	Seymour	West Silvermine Road	190	Seymour TS	BW, C&D, LAND, UO	Active
P	Shelton	866 River Road, Route 110	136	Shelton CRRA TS	ANFR, BCP, C&D, MSW, TIRE, UO	Active

MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE * see key	STATUS
M	Somers	127 Egypt Road	31	Somers TS	C&D, MSW, SCRP, RC, UO	Active
M	South Windsor	Burgess Road	30	South Windsor TS	BW, MSW, SCRP	Active
M	Southbury	231 Kettletown Road	111	Southbury TS	BAT, BW, MSW, TIRE, WHIT	Active
M	Southington	540 Old Turnpike	82	Southington TS	BW	Active
M	Sprague	Route 138	103	Sprague TS	C&D, MSW, SCRP, RC, WOOD	Active
M	Stafford	80 Upper Road	17	Stafford TS	BW	Active
M	Stamford	1 Harbor View Avenue	177	Stamford TS	BW, C&D, MSW, RC, WOOD	Active
M	Stonington	Greenhaven Road	159	Stonington TS	ANFR, C&D, MSW, RC, SCRP	Active
M	Stratford	Watson Boulevard	166	Stratford TS	C&D, MSW, RC, TIRE, WOOD	Active
M	Suffield	Mountain Road	4	Suffield TS	BAT, BW, MSW, RC, TIRE	Active
M	Thomaston	Old Waterbury Road	42	Thomaston TS	BW, C&D, LAND, MSW, RC	Active
M	Thompson	Passay Road	23	Thompson TS	C&D, LAND, MSW, RC, TIRE, UO	Active
M	Tolland	Old Stafford Road	19	Tolland TS	BW, MSW, RC, WOOD	Active
P	Torrington	Old Dump Road	24	Torrington CRRA TS	ANFR, LAND, MSW, RC, UO	Active
P	Trumbull	Spring Hill Road	131	Trumbull CRRA TS	C&D, LAND, MSW, RC, SCRP	Active
M	Union	1024 Buckley Highway, Route 171	20	Union TS	BW, C&D, MSW, RC, UO	Active
M	Vernon	Hockanum Boulevard	357	Vernon TS	BRSH, MSW, SCRP, TIRE	Active
M	Voluntown	500 Brown Road	75	Sterling/Voluntown - TS	MSW, TIRE	Active
M	Washington	Clark Road	40	Washington TS	C&D, LAND, MSW, RC, SCRP	Active
M	Waterbury	Mark Lane	90	Waterbury TS	C&D, MSW, RC, SCRP, TIRE	Active
M	Waterford	100 Hartford Turnpike (RT 85)	426	Waterford TS	BAT, BW, MSW, RC, WOOD	Active
P	Watertown	Echo Lake Road	89	Watertown CRRA TS	BW, C&D, LAND, MSW, RC	Active
M	Watertown	Old Baird Road	338	Watertown TS	BW, C&D, ELEC, LAND, SCRP, TIRE, WOOD	Active
M	West Hartford	17 Brixton Street	56	West Hartford TS	MSW, RC	Active
M	Weston	Godfrey Road	163	Weston TS	ANFR, C&D, LAND, RC, TIRE	Active
P	Westport	Sherwood Island Conne	186	Westport CRRA TS	C&D, SCRP, TIRE	Active

MGMT	LOCATION	ADDRESS	GISID	NAME	WASTE TYPE * see key	STATUS
M	Wethersfield	100 March Street	205	Wethersfield TS	MSW	Active
M	Willington	57 Hancock Road	18	Willington TS	BRSH, MSW, SCRP, TIRE	Active
M	Wilton	Mather Street	161	Wilton TS	BCP, BW, MSW, SCRP, UO	Active
P	Winchester	Lanson Drive, Old Route 8	213	USA Hauling and Recycling, Inc. - TS	C&D, MSW, RC, SCRP, TIRE	Active
P	Windam	1590 West Main Street	429	Windham Willimantic Waste Paper Co., Inc. - TS	BW, MSW	Active
M	Windham	Route 6	67	Windham TS	ANFR, C&D, MSW, RC, TIRE	Active
M	Woodbridge	Acorn Hill Road	352	Woodbridge TS	MSW	Active
M	Woodbury	22 Bacon Pond Road	3493	Woodbury TS	MSW	Active
M	Woodstock	Paine District Road	184	Woodstock TS	C&D, MSW, TIRE, UO	Active
M	Berlin	642 Christian Lane	51	Berlin New Britain TS	BW, MSW	Inactive
M	Haddam	Haddam Meadow State Park	117	Haddam TS	C&D, MSW, RC, UO	Unknown

APPENDIX C.2 - PERMITTED WASTE FACILITIES: VOLUME REDUCTION PLANTS (VRP)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
P	Berlin	475 Christian Lane	52	Berlin CWPM, LLC – VRP	Active	BW, C&D, LAND, SCRAP, TIRE
P	Cheshire	22 Burton Drive	14749	Central Connecticut Recycling & Transfer, LLC	Active	C&D, RC, WOOD
P	Danbury	307 White Street	108	Danbury Transfer Systems, Inc. VRP	Active	BW, C&D, LAND, SCRP
P	East Windsor	9-11 Shoham Road	16	East Windsor F & G LLC VRP	Active	C&D, RC, SCRP, WOOD
P	East Windsor	250 Main Street	268	East Windsor Northeast Lamp Recycling, Inc. VRP	Active	HG
P	Hartford	143 Rear Murphy Rd.	55	Hartford Murphy Road Recycling – VRP	Active	BW, C&D, RC, SCRP, WOOD
P	Harwinton	216 Bogue Road	391	Harwinton B&R Corporation VRP	Active	BRSH, LAND, WOOD
P	Killingly	32 Beatrice Avenue	12147	Ernest Joly & Sons, Inc.	Active	BRSH, LAND, WOODCHIPS
P	Lebanon	20 Industrial Park Rd.	71	Lebanon Hyponex Corporation, VRP (Compost)	Active	ALUM RESIDUALS, LEAF, WOOD
P	Litchfield	14 Iffland Pond Road	417	Litchfield Albreda Refuse & Sweeping – VRP	Active	C&D
P	Meriden	500 South Broad St.	12329	We Recycle! Inc.	Active	CARD, PLASTIC, USED ELECTRONICS
P	Middletown	80 & 90 Industrial Park Rd	204	Middletown Dainty Rubbish Service, Inc. – VRP	Active	BW, C&D, SCRP, TIRE, WOOD
P	Milford	221 Old Gate Road	172	Milford Waste Conversion Technologies Inc. VRP	Active	BW, C&D, LAND, WOOD
P	New Britain	Deming Road	61	New Britain Trash-Away, Inc. VRP	Active	C&D, RC, SCRP, WOOD
P	New Haven	19 Wheeler Street	139	New Haven Waste Management of CT VRP	Active	BCP, C&D, LAND, PAPR, SCRP
P	New Haven	158 R Middletown Ave.	219	New Haven Circle of Life, LLC – VRP	Active	C&D
P	New Haven	158 R Middletown Ave.	219	New Haven Circle of Life, LLC - VRP	Active	WOOD
P	New Milford	60 Boardman Road	77	New Milford Connecticut Farms, LLC - VRP (Compost)	Active	FOOD, LEAF, WOOD
P	North Branford	51-59 Ciro Road	194	North Branford Ciro Associates, LLC - VRP	Active	C&D, CARD, LAND, SCRP, TIRE
P	Norwalk	8-18, 30-32 Meadow St.	181	Norwalk Waste Management of CT VRP	Active	C&D, LAND, MSW, RC
P	Norwalk	3 Merritt St.	422	Norwalk J.L. Seaman, LLC – VRP	Active	C&D, LAND, TIRE, WOOD
P	Old Saybrook	115 Spencer Plains Road	206	Old Saybrook Finkeldey, Inc. – VRP	Active	BW, C&D, RC, SCRP, WOOD
P	Plainfield	1414 Norwich Road	372	Plainfield Meridian, Inc – VRP	Active	SCRIP, TIRE
P	Plainfield	54 Roode Road	13849	Willimantic Waste Paper Co., Inc. – VRP	Active	CARD, C&D, SCRP
P	Plainville	25 Norton Place	191	Plainville CWPM, LLC – VRP	Active	BW, C&D, LAND, SCRP, TIRE, WOOD
P	Portland	285 Airline Avenue	393	Portland Airline Avenue Recycling, Inc. – VRP	Active	C&D, LAND, RC, WOOD

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
P	Shelton	46 Oliver Terrace	418	Shelton Connecticut Waste Transfer LLC – VRP	Active	C&D, LAND, SCRП, TIRE
P	South Windsor	600 Nutmeg Road	323	South Windsor Waste Management of CT, Inc. - VRP	Active	BCP, C&D, SCRП
P	Southington	60 Curtis Street	392	Southington Don Stevens Tire Company - VRP	Active	SCRП, TIRE
P	Stamford	39 Woodland Avenue	179	Stamford Southern Connecticut Recycling, Inc. - VRP	Active	BW, C&D
P	Stamford	61 Taylor Reed Place	423	Stamford City Recycling, Inc. – VRP	Active	C&D, MSW, RC, TIRE
P	Stratford	80 Garfield Avenue	207	Stratford Stratford Baling Corporation - VRP	Active	BCP, C&D, PAPR, SCRП, UO
P	Waterbury	Municipal Road	92	Waterbury Municipal Road Transfer Center - VRP	Active	C&D, CARD, TIRE, SCRП, WOOD
P	Waterford	56 Miner Lane	208	Waterford Waste Management of CT - VRP	Active	C&D, LAND, PAPR, RC, WOOD
P	West Haven	Toll Road	343	West Haven Lakin Tire East Inc. - VRP	Active	SCRП, TIRE
P	Windham	1590 West Main Street	429	Windham Willimantic Waste Paper Co., Inc. - VRP	Active	C&D, MSW, RC, SCRП, WOOD
P	Windsor Locks	South Site Harvey Lane	214	Windsor Locks Babylon Recycling Center, LLC -VRP	Active	BW, C&D, LAND, RC, SCRП, WOOD

APPENDIX C.3 - PERMITTED WASTE FACILITIES: LANDFILLS (LF) (ACTIVE / INACTIVE)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE* see key	APPACRES
M	Avon	281 Huckleberry Hill Road	27	Avon LF	Active	BW	25
M	Berlin	Deming Road	62	New Britain LF	Active	BW	15
P	Berlin	Edgewood Avenue	262	Berlin Mattabassett District LF	Active	SPC	22
M	Branford	Tabor Drive	145	Branford LF	Active	BW	6
M	Canaan	Route 63	5	Canaan LF	Active	BW	5
M	Clinton	117 Old Nod Road	150	Clinton LF	Active	BW	10
M	Deep River	Route 80	152	Deep River LF	Active	BW	10
M	East Haddam	Nichols Road (Route 149)	98	East Haddam LF	Active	BW	2
M	Essex	Middlesex Tpke. (Route 9A)	151	Essex LF	Active	BW	3
M	Glastonbury	Tryon Road	63	Glastonbury LF	Active	BW	52
P	Hartford	Leibert Road	225	Hartford CRRA LF	Active	ASH, BW	120
M	Hartland	Grandville Road (Route 179)	183	Hartland LF	Active	BW	3
M	Killingly	Brickhouse Road	38	Killingly LF	Active	BW	2
M	Lyme	Brush Hill Road	118	Lyme LF	Active	BW	2
M	Manchester	263 Olcott Road	195	Manchester LF	Active	BW	80
M	Monroe	Gardner Road	129	Monroe LF	Active	BW	4
M	Morris	Route 109	39	Morris LF	Active	BW	4
P	New Milford	60 Boardman Road	77	New Milford Nestle Food Co. LF	Active	SPC	4
P	New Milford	Route 7	300	New Milford Kimberly-Clark Corp. LF	Active	SPC	15
M	Newington	Main Street (Route 176)	59	Newington LF	Active	BW	5
M	North Stonington	215 Wintechog Hill Road	123	North Stonington LF	Active	BW	10

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE* see key	APPACRES
P	Old Lyme	Boston Post Road	175	Old Lyme Kus LF	Active	BW	7
M	Old Lyme	Four Mile River Road	176	Old Lyme LF	Active	BW	10
M	Plainville	Granger Lane	49	Plainville LF	Active	BW	15
P	Putnam	344 River Road	210	Putnam Wheelabrator Ash LF	Active	ASH	60
M	Salem	Rattlesnake Ledge Road	101	Salem LF	Active	BW	2
P	Sprague	Inland Road	325	Sprague International Paper LF	Active	SPC	1
P	Stonington	Voluntown Road (Route 49)	228	Stonington Conn. American Water Co. LF	Active	SPC	5
M	Suffield/	Mountain Road	4	Suffield LF	Active	BW	12
P	Thomaston	Waterbury Road	43	Thomaston Patterson Brothers Inc. LF	Active	BW	5
M	Trumbull	Spring Hill Road	131	Trumbull LF	Active	BW	2
M	Waterbury	Municipal Road	358	Waterbury South End Disposal Area (SEDA) LF	Active	SPC	12
P	Waterbury	Highland Avenue and Highview Street	93	Waterbury CT Resource Recovery Authority LF	Active	BW	6
M	Westbrook	McVeagh Road	154	Westbrook LF	Active	BW	4
M	Windsor	Huckleberry Road	11	Windsor LF	Active	BW, MSW	65
P	Canterbury	Packer Road	430	Canterbury Yarwarski Site 4 - LF	Inactive	HW	0
M	Plymouth	Green Drive	45	Plymouth LF	Inactive		0
M	Simsbury	Wolcott Road	10	Simsbury LF	Inactive	MSW	26
M	Stratford	Short Beach Road	173	Stratford LF	Inactive	MSW	15
P	Wallingford	South Cherry Street, Pent Highway	115	Wallingford CT Resource Recovery Authority LF	Inactive	MSW	0
M	Warren	Route 45	335	Warren LF	Inactive	MSW	0
P	Waterbury	Thomaston Avenue	91	Waterbury Wrecking LF	Inactive	BW	0

APPENDIX C.3 – PERMITTED WASTE FACILITIES: LANDFILLS (LF) (CLOSED)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE *see key	APPACRES
M	Andover	Shoddy Mill Road	65	Andover LF	Closed	MSW	8
P	Ashford	Waterfall Road	229	Ashford Charles Woytik LF	Closed	MSW	3
M	Avon	281 Huckleberry Hill Road	27	Avon LF	Closed	MSW	20
M	Avon	Arch Road	230	Avon LF	Closed	MSW	6
M	Barkhamsted	Route 44	8	Barkhamsted RRDD#1 LF	Closed	MSW	10
P	Beacon	Lopus Road	261	Beacon Falls Posick LF	Closed	MSW	8
P	Beacon Falls	Beacon Hieghts, Inc. PO Box 7	231	Beacon Falls Murtha LF	Closed	MSW	20
M	Berlin	642 Christian Lane	51	New Britain Incinerator LF	Closed	ASH	15
M	Berlin	Deming Road	62	New Britain Industrial LF	Closed	IND	5
M	Bethel	Sumpaugh Road	125	Bethel LF	Closed	MSW	15
M	Bethlehem	409 Main Street South, Route 61	199	Bethlehem LF	Closed	MSW	10
M	Bloomfield	Blue Hills Avenue	232	Bloomfield LF	Closed	MSW	5
M	Bozrah	255 Bozrah Street, Route 163	102	Bozrah LF	Closed	-	0
P	Bozrah	Caroline Road	233	Bozrah Seymour Adleman LF	Closed	MSW	12
P	Branford	Tabor Drive	145	Branford Zuwalick LF	Closed	MSW	6
M	Branford	At Sewage Plant	234	Branford LF	Closed	BW	2
M	Bridgeport	475 Asylum Street	165	Bridgeport LF	Closed	ASH, MSW	0
M	Bridgeport	South Avenue	169	Bridgeport LF	Closed	BW, MSW	25
M	Bridgeport	Bostwick Avenue	235	Bridgeport LF	Closed	ASH, MSW	10
M	Bristol	Lake Avenue	221	Bristol LF	Closed	ASH, MSW	55
M	Brooklyn	Rukstella Road	37	Brooklyn LF	Closed	MSW	16
P	Burlington	Upton Road	236	New Britain Water Co. LF	Closed	WTS	12

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Canaan	Route 63	5	Canaan LF	Closed	MSW	10
P	Canterbury	Packer Road	73	Canterbury Yaworski Site 1 MSW – LF	Closed	MSW	30
P	Canterbury	Packer Road	263	Canterbury Yaworski Site 3 – LF	Closed	BW	0
P	Canterbury	Packer Road	264	Canterbury Yaworski Site 2 BW – LF	Closed	BW	0
M	Canton	Farmington Road	26	Canton LF	Closed	MSW	10
P	Chaplin	Chewink Road	237	Chaplin LF	Closed	MSW	4
M	Cheshire	1286 Waterbury Road, Route 70	85	Cheshire Old LF	Closed	MSW	6
M	Cheshire	1286 Waterbury Road, Route 70	85	Cheshire LF	Closed	MSW	0
M	Chester	Cedar Lake Road	238	Chester LF	Closed	MSW	5
M	Chester	Mottland Road	239	Chester LF	Closed	BW	8
M	Clinton	117 Old Nod Road	150	Clinton LF	Closed	MSW	7
P	Clinton	140 Knollwood Drive	212	Clinton Stanley-Bostich Inc. LF	Closed	IND SLUG	0
M	Colchester	Old Amston Road, Route 85	100	Colchester LF	Closed	MSW	14
P	Colchester	Red School Road	240	Colchester Municipal Enterprises LF	Closed	MSW	400
M	Columbia	Route 6	66	Columbia LF	Closed	MSW	0
M	Columbia	Routes 6 and 66	241	Columbia LF	Closed	MSW	4
M	Columbia	Doubleday Road	242	Columbia LF	Closed	MSW	5
M	Cornwall	Route 4	266	Cornwall LF	Closed	MSW	0
M	Coventry	South Street Extension & Plains, Route 31	34	Coventry LF	Closed	MSW	0
P	Cromwell	Route 9 and Coles Road	244	Cromwell D&M Demolition LF	Closed	BW	6
M	Cromwell	Timber Hill Road East	245	Cromwell LF	Closed	BW	3
M	Cornwall	Route 4	266	Cornwall LF	Closed	MSW	0
M	Coventry	South Street Extension & Plains, Route 31	34	Coventry LF	Closed	MSW	0
P	Cromwell	Route 9 and Coles Road	244	Cromwell D&M Demolition LF	Closed	BW	6
M	Danbury	Plumtrees Road	109	Danbury LF	Closed	MSW	0

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Darien	126 Ledge Road	182	Darien LF	Closed	ASH, MSW	0
P	Darien	Route 95 & Lenox Avenue	227	Darien Avalon Bay Communities LF	Closed	BW	10
M	Derby	Pine Street	134	Derby LF	Closed	ASH, MSW	0
M	East Granby	Route 20 and Muddy Brook	246	East Granby LF	Closed	MSW	0
M	East Haddam	Nichols Road (Route 149)	98	East Haddam LF	Closed	MSW	0
M	East Haddam	Trowbridge Road	247	East Haddam LF	Closed	BW	0
M	East Hampton	Bear Swamp Road	97	East Hampton LF	Closed	MSW	0
M	East Hartford	25 Ecology Drive	29	East Hartford LF	Closed	MSW	22
P	East Hartford	Roberts Street	248	East Hartford Wrobel Property LF	Closed	BW	6
M	East Haven	240 Commerce Street, Silver Sands Road	142	East Haven LF	Closed	BW	0
M	East Lyme	91 Roxbury Road	155	East Lyme LF	Closed	MSW	7
P	East Windsor	Route 140	249	East Windsor Kement & Sons, Inc. LF	Closed	MSW	15
P	East Windsor	Wapping Road	250	E. Windsor Northern Capitol Region Disposal Facility (Botticello) LF	Closed	BW, MSW	0
M	Eastford	Westford Road	22	Eastford Landfill	Closed	MSW	5
P	Ellington	Route 140	15	Ellington CRRA LF	Closed	MSW	0
M	Eastford	Westford Road	22	Eastford Landfill	Closed	MSW	5
M	Easton	North Street	251	Easton LF	Closed	MSW	8
M	Ellington	Hoffman Road	252	Ellington Closed LF	Closed	MSW	0
M	Enfield	Town Farm Road	197	Enfield LF	Closed	MSW	0
P	Enfield	Abbe Road	253	Enfield Della Construction LF	Closed	BW	6
M	Enfield	Maple Street	254	Enfield LF	Closed	MSW	0
M	Essex	Middlesex Turnpike (Route 9A)	151	Essex LF	Closed	MSW	0
M	Fairfield	One Rod Highway	196	Fairfield LF	Closed	MSW	0
M	Farmington	Quarry Road	48	Farmington LF (Route #4)	Closed	MSW	5
M	Farmington	Red Oak Hill Road	215	Farmington LF	Closed	BW	6
M	Glastonbury	2340 New London Turnpike	64	Glastonbury LF	Closed	MSW	0

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE* see key	APPACRES
M	Glastonbury	Wassuc Road	255	Glastonbury LF	Closed	MSW	0
M	Glastonbury	Old Maids Lane	256	Glastonbury LF	Closed	BW	20
M	Granby	Old Stagecoach Road	9	Granby LF	Closed	MSW	8
M	Greenwich	Holly Hill Lane	174	Greenwich LF	Closed	ASH, MSW	6
P	Griswold	Rixtown Road	257	Griswold Burdick LF	Closed	MSW	0
ST	Griswold	Route 201	271	Griswold, DEP LF, Hopewell Pond State Park	Closed	MSW	0
M	Groton	Wells Road	124	Groton LF	Closed	BW	0
M	Groton	Flanders Road	157	Groton LF	Closed	BW	50
M	Guilford	Route 1	147	Guilford LF (North)	Closed	MSW	10
M	Guilford	Route 1 South of I-95	258	Guilford LF (South)	Closed	MSW	5
M	Guilford	Wild Rose Avenue	259	Guilford LF (Wild Rose)	Closed	BW	8
ST	Haddam	Haddam Meadow State Park	117	Haddam State, DEP LF	Closed	MSW	7
M	Hamden	231 Wintergreen Avenue	218	Hamden LF	Closed	MSW	20
P	Hamden	2799 State Street	260	Hamden Joseph Farricielli -LF	Closed	BW	45
P	Hamden	2799 State Street	260	Hamden Joseph Farricielli LF (Q Park)	Closed	BW	45
M	Lisbon	Route 169	279	Lisbon LF	Closed	MSW	0
M	Litchfield	Little Pitch Road	41	Litchfield Landfill	Closed	MSW	10
M	Madison	Ridge Road	149	Madison LF	Closed	BW, MSW	10
ST	Madison	Route 1	280	Madison State, DEP LF – Hammonasset State Park LF	Closed	MSW	4
P	Manchester	1366 Tolland Turnpike	363	Manchester Klock Co. LF	Closed	BW	4
M	Mansfield	Cemetery Road	281	Mansfield LF	Closed	MSW	0
ST	Mansfield	Storrs UCONN	282	Mansfield State, UCONN LF (Sewage Plant)	Closed	MSW	12
ST	Mansfield	Route 44	283	Mansfield State, DMR LF	Closed	MSW	8
ST	Mansfield	Storrs UCONN	284	Mansfield State, UCONN LF	Closed	MSW	1
M	Marlborough	Quinn Road	192	Marlborough LF	Closed	MSW	10
M	Middlefield	Cherry Hill Road	116	Middlefield Dmiab, Two Towns LF	Closed	MSW	12

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
P	Middlefield	Lyman Road	286	Middlefield Lyman Orchards LF	Closed	MSW	1
P	Middletown	Newfield Street	94	Middletown Armetta LF	Closed	BW	15
M	Middletown	Johnson Street	287	Middletown LF	Closed	MSW	20
P	Middletown	Route 3 and 72	288	Middletown Coleman Bros. Shows LF	Closed	BW	15
P	Middletown	River & Aircraft Road	289	Middletown P&W Aircraft LF	Closed	WTS	6
M	Middlefield	Gap Road	285	Middlefield LF	Closed	MSW	0
ST	Milford	Silver Sands State Park	290	Milford Silver Sands State Park LF	Closed	MSW	40
M	Monroe	Guinea Road	291	Monroe LF	Closed	MSW	8
P	Montville	Route 2A	120	Montville SCRRA LF	Closed	ASH	0
M	Montville	669 Oakdale Road, Route 163	119	Montville LF	Closed	MSW	12
M	Montville	Black Ash Road	292	Montville LF	Closed	MSW	0
P	Montville	Williams Road	364	Montville Stone Container LF	Closed	SPC	8
M	Morris	Route 109	39	Morris LF	Closed	BW	0
M	Morris	Route 209	293	Morris LF	Closed	MSW	12
P	Naugatuck	Laurel Park	295	Naugatuck Harold Murtha LF	Closed	MSW	35
P	Naugatuck	Andrews Mountain	296	Naugatuck Kaladish LF	Closed	IND	0
P	Naugatuck.	Jones Road	294	Naugatuck Eastern Co. LF	Closed	BW	4
M	New Canaan	Old Kings Highway, Route 123	162	New Canaan LF	Closed	ASH, BW, MSW	10
M	New Fairfield	Bigelow Road	106	New Fairfield LF	Closed	MSW	8
M	New Hartford	Green Woods Road	297	New Hartford LF	Closed	MSW	0
M	New Haven	Middletown Avenue	138	New Haven LF	Closed	MSW	40
P	New Haven	Quinnipiac Avenue	298	New Haven Blakeslee Site 1 LF	Closed	BW	0
P	New Haven	East of LF Access Road	365	New Haven Blakeslee Site 2 LF	Closed	ASH	4
M	New London	Bates Woods Park	299	New London LF	Closed	MSW	20

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
P	New Milford	182 Danbury Road, Route 37	366	New Milford Waste Management of CT LF	Closed	MSW	70
P	New Milford	Off of RT 25	367	New Milford STEB-BINS LF	Closed	MSW	10
M	Newington	Main Street (Route 176)	59	Newington LF	Closed	LAND, BW	0
M	Newington	Kitts Lane	301	Newington LF	Closed	BW	8
M	Newtown	Ethan Allen Boulevard	198	Newtown LF	Closed	MSW	20
ST	Newtown	State DEP landfill	302	Newtown State, DEP LF	Closed	MSW	5
P	Newtown	Route 25	303	Newtown D'Addario LF	Closed	BW	20
P	Newtown	Nunnawauk Road	368	Newtown CT Fairfield Hills Hospital	Closed	ASH	4
M	Norfolk	599 Greenwoods East, Route 44	6	Norfolk LF	Closed	MSW	10
M	N. Branford	Ciro Road	304	North Brandford LF	Closed	MSW	12
M	North Haven	Sackett Point Road, Universal Drive	209	North Haven LF	Closed	MSW, WWTS	16
P	North Haven	195 McDermott Road	211	North Haven U.S. Surgical LF	Closed	C&D	5
P	North Haven	Stillman Road	369	North Haven Olshen/Lenard Concrete Pipe Co. LF	Closed	LAND	0
M	Norwalk	I-95/River	305	Norwalk LF	Closed	MSW	20
M	Norwalk	Gillies Lane	306	Norwalk LF	Closed	BW	10
M	Norwalk	Bouton Street & PA Central Road	307	Norwalk Crossland LF	Closed	BW	10
M	Norwich	73 Rogers Road	185	Norwich LF	Closed	MSW	12
M	Norwich	Hollyhock Island	308	Norwich LF	Closed	MSW	5
M	Norwich	Corning Road	309	Norwich LF	Closed	MSW	0
P	Old Saybrook	Route 166	310	Old Saybrook Van Epps LF	Closed	BW	8
M	Old Saybrook	Coulter Street North Cove	311	Old Saybrook LF,	Closed	MSW	8
P	Orange	South Orange Center Road, Route 1	137	Orange Home Depot Plaza LF	Closed	MSW	7
M	Oxford	Riggs Road	312	Oxford LF	Closed	MSW	10
M	Plainville	Granger Lane	49	Plainville LF	Closed	MSW	15

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Portland	39 Sand Hill Road	95	Portland LF	Closed	MSW	16
M	Preston	Ross Road	105	Preston LF	Closed	MSW	8
ST	Preston	Route 12 and 2A	316	Preston DOT LF	Closed	BW	2
ST	Preston	Route 2A	373	Preston Norwich Hospital (DMH) LF	Closed	ASH	3
M	Prospect	Plank Road	317	Prospect LF	Closed	MSW	12
M	Putnam	344 River Road	210	Putnam LF	Closed	MSW	12
M	Putnam	Moddock Road	318	Putnam LF	Closed	MSW	5
M	Redding	84 Hopewell Woods Road	127	Redding LF	Closed	MSW	14
M	Ridgefield	Old Quarry Road	126	Ridgefield LF	Closed	MSW	15
P	Rocky Hill	Meadow Road and Goff Brook	319	Rocky Hill Caruso Bros. LF	Closed	MSW	35
M	Roxbury	Lower Country Road	78	Roxbury LF	Closed	MSW	6
M	Salisbury	Route 41	1	Salisbury LF	Closed	MSW	2
M	Scotland	Brook Road	320	Scotland LF	Closed	MSW	0
M	Seymour	Silvermine Road	113	Seymour LF	Closed	BW, MSW	8
P	Seymour	Rimmon Street	321	Seymour Century Brass LF	Closed	IND	0
P	Shelton	866 River Road, Route 110	136	Shelton CRRA Ash LF	Closed	ASH	0
M	Shelton	Willoughby Road	322	Shelton LF	Closed	MSW	0
M	Somers	127 Egypt Road	31	Somers LF	Closed	MSW	15
ST	Southbury	W. Flagg Swamp Road	324	Southbury DMR, Training School LF	Closed	BW	0
M	Southington	West Center Street	375	Southington West Center Street LF	Closed	SPW	0
M	S. Windsor	Burgess Road	30	South Windsor LF	Closed	MSW	25
P	S. Windsor	Route 5	374	South Windsor Taylor and Fenn Castin Sand LF	Closed	SPW	0

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Southbury	231 Kettletown Road	111	Southbury LF	Closed	MSW	9
M	Southington	Depaolo Drive	216	Southington LF	Closed	MSW	25
M	Sprague	Route 138	103	Sprague LF	Closed	MSW	0
M	Stafford	80 Upper Road	17	Stafford LF	Closed	MSW	22
M	Stamford	Scofieldtown Road	160	Stamford Road LF	Closed	MSW	0
M	Stamford	Cove Island Park	326	Stamford LF	Closed	MSW	0
M	Stamford	Shippan Avenue	327	Stamford LF	Closed	MSW	0
M	Stamford	Dyke Lane	328	Stamford LF	Closed	MSW	0
P	Stamford	Homestead Avenue	376	Stamford Penn Central R.R. LF	Closed	MSW	0
M	Stonington	Greenhaven Road	159	Stonington LF	Closed	MSW	25
M	Stonington	Route 1	330	Stonington LF	Closed	BW	6
P	Stratford	Lordship Boulevard	377	Stratford Carpenter Tech	Closed	SLAG	6
P	Stratford	Route 1	378	Stratford Tilo Co. LF	Closed	ROOFING	0
P	Stratford	Lordship Boulevard	379	Stratford Sikorski Airport LF	Closed	ASH, MSW	0
P	Stratford	Lordship Boulevard	388	Stratford Ryan Corp. LF	Closed	SLAG	5
M	Suffield	Mountain Road	4	Suffield LF	Closed	BW	0
P	Suffield	Phelps Road	331	Suffield Phelps LF	Closed	MSW	6
P	Thomaston	Waterbury Road	355	Thomaston Envirite Corp. LF	Closed	SPW	6
M	Thompson	Passay Road	23	Thompson LF	Closed	MSW	9
M	Thompson	Chapel Street	353	Thomaston LF	Closed	MSW	12
M	Tolland	Old Stafford Road	19	Tolland LF	Closed	MSW	10
M	Torrington	Disposal Road	333	Torrington LF	Closed	MSW	25
M	Vernon	West Street	356	Vernon LF Landfill	Closed	MSW	3
P	Voluntown	Route 138	334	Voluntown Calvin Bronson	Closed	MSW	8
M	Wallingford	Cherry Street	114	Wallingford LF	Closed	BW	12

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
P	Wallingford	South Cherry Street, Pent Highway	115	Wallingford CRRA LF	Closed	ASH	6
P	Wallingford	Off Gaylord Farms Road	387	Wallingford Gaylord Hospital LF	Closed	ASH, BW	6
M	Washington	Clark Road	40	Washington LF	Closed	BW, MSW	10
M	Waterbury	Mark Lane	90	Waterbury North End Disposal Area (NEDA) LF	Closed	MSW	25
M	Waterbury	Watertown Avenue	336	Waterbury LF	Closed	LEAF	0
P	Waterbury	Watertown Avenue and Steele Brook	337	Waterbury	Closed	BW	5
P	Waterbury	Mark Lane	359	Waterbury Valeisis LF	Closed	BW	8
M	Waterford	Miner Lane	156	Waterford LF	Closed	MSW	20
M	Waterford	Fog Plain Road	339	Waterford LF	Closed	BW, SPC	8
P	Watertown	Echo Lake Road	89	Watertown CURA LF	Closed	BW	6
M	Watertown	Old Baird Road	338	Watertown LF	Closed	MSW	11
M	West Hartford	17 Brixton Street	56	West Hartford LF	Closed	ASH	0
M	West Hartford	Albany Avenue, Route 44	224	West Hartford LF	Closed	LAND	8
P	West Hartford	South Main Street	340	West Hartford Rockledge Country Club LF	Closed	ASH	2
P	West Haven	95 Spring Street	341	West Haven Solid Waste Disposal Inc. Landfill)	Closed	MSW	35
P	West Haven	Front Street	342	West Haven Solid Waste Disposal Inc. LF	Closed	ASH, MSW	20
M	Weston	Godfrey Road	163	Weston LF	Closed	BW, MSW	15
M	Westport	Hendrick Point	344	Westport Longshore Country Club LF	Closed	BW	6
M	Westport	Green Farms	345	Westport LF	Closed	MSW	0
M	Westport	Jesup Road	360	Westport LF	Closed	MSW	2

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Westport	Bonnie Brook Road	390	Westport LF	Closed	BW	20
M	Willington	57 Hancock Road	18	Willington LF	Closed	MSW	7
M	Willington	Moose Meadow Road	21	Willington LF	Closed	MSW	12
M	Wilton	Mather Street	161	Wilton LF	Closed	BW, MSW	14
M	Winchester	Lanson Drive, Old Route 8	213	Winchester LF	Closed	MSW	15
M	Windham	Plains Road	69	Windham LF	Closed	ASH, BW	12
ST	Windham	Route 6 Airport	346	Windham State, DOT LF	Closed	MSW	25
M	Windham	Route 203	347	Windham LF	Closed	BW	10
M	Windham	South Windham	348	Windham LF	Closed	MSW	7
P	Windsor	Off of RT 159	349	Windsor Taylor & Fenn LF	Closed	SPC	0
P	Windsor	Kennedy Road	350	Windsor Thrall Property LF	Closed	MSW	15
M	Windsor Locks	Reed Avenue	380	Windsor Locks LF	Closed	MSW	0
M	Windsor Locks	Route 20	381	Windsor Locks LF	Closed	BW	3
M	Wolcott	Boundary Line Road & Mad River	351	Wolcott LF	Closed	MSW	14
M	Woodbridge	Newton Road, Route 114	132	Woodbridge LF	Closed	MSW	4
M	Woodbridge	Acorn Hill Road	352	Woodbridge LF	Closed	MSW	11
M	Woodbury	Bacon Pond Road	80	Woodbury LF	Closed	MSW	11
M	Woodstock	Paine District Road	184	Woodstock LF	Closed	MSW	10
M	Coventry	Flander River Road	243	Coventry LF	Closed	BW	5
M	Cromwell	Sebethe Drive	269	Cromwell	Closed	MSW	0
P	Danbury	Rogers Park	267	Danbury Rogers Park LF	Closed	MSW	0
P	Milford	Plains Road	171	Milford McNeil LF	Closed	ASH	10
P	Milford	Plains Road	171	Milford Design Land Developers LF	Closed	BW	22
M	Ansonia	North Division Street	133	Ansonia LF	Closed	BW	0
P	Berlin	475 Christian Lane	52	Berlin Family Realty, Inc. LF	Closed	BW	0

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key	APPACRES
M	Mansfield	Warrenville Road, Route 89	36	Mansfield BW LF	Closed	BW	0
M	Meriden	Evansville Avenue	217	Meriden LF	Closed	MSW	25
P	North Haven	Route 40	371	North Haven Humphrey Chemical	Closed	SPC	0
P	Wallingford	South Cherry Street, Pent Highway	115	Wallingford CT Resource Recovery Authority LF	Closed	MSW	0

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APPENDIX C.4 - PERMITTED WASTE FACILITIES: RESOURCE RECOVERY FACILITIES (RRF)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
P	Bridgeport	6 Howard Avenue	168	Bridgeport Connecticut Resource Recovery Authority/Bridgeport Resco, L.P.	Active	MSW
P	Bristol	Lake Avenue	221	Bristol Covanta Bristol, Inc. - RRF	Active	MSW
P	Hartford	Reserve Road	53	Hartford CRRA Resource Recovery Authority	Active	MSW
P	Lisbon	425 South Burnham Highway	104	Lisbon Wheelabrator Lisbon, Inc - RRF	Active	ASH, MSW, RC
P	Preston	Route 12	121	Preston American Ref-Fuel Company of Southeastern CT - RRF	Active	MSW
P	Sterling	Sterling Industrial Park	329	Sterling Exeter Energy Limited Partnership – RRF	Active	TIRE
P	Wallingford	South Cherry Street, Pent Highway	115	Wallingford CRRA/Covanta Projects of Wallingford, L.P. - RRF	Active	MSW

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APPENDIX C.5 - PERMITTED WASTE FACILITIES: INTERMEDIATE PROCESSING CENTER (IPC)						
MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
P	Berlin	655 Christian Lane	50	Berlin Recycle America Alliance, LLC - IPC	Active	BCP, CARD, PAPR
P	Danbury	307 White Street	110	Danbury Recycling Technologies, Inc. - IPC	Active	BCP, CARD, PAPR
P	Groton	Flanders Road	157	Groton Southeastern CT Regional Resource Recovery Authority - IPC	Active	BCP, BTMX, CARD, PAPR
P	Hartford	211 Murphy Road	54	Hartford CRRA IPC	Active	PAPR
P	Hartford	211 Murphy Road	54	Hartford CRRA - IPC	Active	BCP
P	Stratford	1300 and 1410 Honeyspot Road	167	Stratford CRRA IPC	Active	BCP, PAPR
P	Willimantic	Recycling Way	68	Willimantic Waste Paper Co., Inc. IPC	Active	BAT, BCP, CARD, PAPR, WOOD

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APPENDIX C.6 - PERMITTED WASTE FACILITIES: RECYCLING FACILITIES (RF)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
M	Barkhamsted	Route 44	8	Barkhamsted RRDD#1 RF	Active	HHW
M	Madison	Ridge Road	149	Madison RF	Active	BCP
M	Manchester	263 Olcott Road	195	Manchester RF	Active	HHW
P	New Haven	90 Sargent Drive	140	New Haven S. Central CT Reg. Water Aut. RRF	Active	DC, DI, DR, HHW
M	Wallingford	157 John Street	428	Wallingford RF	Active	BCP, PAPR, SCRP, UO, WHIT
M	Waterbury	Mark Lane	90	Waterbury RF	Active	BPC, PAPR, SCRP, WHIT, UO
M	Willington	57 Hancock Road	18	Willington RF	Active	HHW

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APPENDIX C.7 - PERMITTED WASTE FACILITIES: TREATMENT STORAGE (T-S)

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
Bridgeport	50 Cross Street	384	Bridgeport United Recycling T-S	Active	UO
Bridgeport	Seaview Avenue		Seaview	Active	CRW
Bristol	51 Brodelick Street	383	Bristol Clean Harbors of CT, Inc. T-S	Active	Major Treatment Activities
East Windsor	250 Main Street	268	North East Lamp Recycling T-S	Active	Fluorescent Lamp Recycling
Meriden	136 Gracey Street	386	Meriden United Oil Recovery T-S	Active	Fuel and UO Recycling
New Haven	120 Forbes Avenue	382	New Haven Active Oil, Inc. T-S	Active	
Portland	203 Pickering Street	315	New England Environmental Transport, Inc. (1) T-S	Active	Lead Paint Debris Recycling; Truck to Truck Transfer Facility
Waterbury	130 and 245 Freight Street	385	Waterbury Phoenix Soil, LLC T-S	Active	Petroleum Contaminated Soils

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APPENDIX C.8 - PERMITTED WASTE FACILITIES: SLUDGE

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
Fairfield	One Rod Highway	196	Fairfield Sludge Compost Facility	Active	ASH, LEAF, PAPR, SEWAGE SLUDGE, WOODCHIPS
Farmington	Route 4	47	Farmington Sludge Compost Facility	Active	SAWDUST, SEWAGE SLUDGE
Bristol	Battison Road	46	Bristol Sludge Compost Facility	Inactive	SEWAGE SLUDGE, WOODCHIPS
Greenwich	Holly Hill Lane	174	Greenwich Sludge Compost Facility	Inactive	LEAF, SEWAGE SLUDGE
Hartford	Brainard Road	57	Hartford Sludge Compost Facility	Inactive	SAWDUST, SEWAGE SLUDGE

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APPENDIX C.9 - PERMITTED WASTE FACILITIES: LEAF COMPOST FACILITIES (ACTIVE / INACTIVE) (LCF)

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE *see key
Ansonia	North Division Street	133	Ansonia LCF	Active	LEAF
Ashford	Upton Road	35	Ashford LCF	Active	LEAF
Avon	281 Huckleberry Hill Road	27	Avon LCF	Active	LEAF
Barkhamsted	Route 44	8	Barkhamsted LCF (RRDD #1)	Active	LEAF
Beacon Falls	Lopus Road	112	Beacon Falls LCF	Active	LEAF
Branford	747 East Main Street	144	Branford LCF	Active	LEAF
Bridgeport	South Avenue	169	Bridgeport LCF	Active	LEAF
Bristol	Peacedale Street	44	Bristol LCF (Peacedale Street)	Active	LEAF
Bristol	Lake Avenue	221	Bristol LCF (Lake Avenue/vasil Road)	Active	LEAF
Brookfield	Pocono Road	107	Brookfield LCF	Active	LEAF
Canaan	Route 63	5	Canaan LCF	Active	LEAF
Clinton	117 Old Nod Road	150	Clinton LCF	Active	LEAF, GRASS
Colchester	Old Amston Road, Route 85	100	Colchester LCF	Active	LEAF
Coventry	South Street Extension & Plains, Route 31	34	Coventry LCF	Active	LEAF
Danbury	Plumtrees Road	109	Danbury LCF	Active	LEAF
Darien	126 Ledge Road	182	Darien LCF	Active	LEAF
Derby	Pine Street	134	Derby LCF	Active	LEAF
East Haddam	Nichols Road (Route 149)	98	East Haddam LCF	Active	LEAF
East Hampton	Bear Swamp Road	97	East Hampton LCF	Active	LEAF
East Hartford	25 Ecology Drive	29	East Hartford LCF	Active	LEAF
East Haven	240 Commerce Street, Silver Sands Road	142	East Haven LCF	Active	LEAF
East Lyme	91 Roxbury Road	155	East Lyme LCF	Active	LEAF
Easton	550 Sport Hill Road	128	Easton LCF(Snows Farm)	Active	LEAF
Ellington	Route 140	15	Ellington LCF (Thompson Farm-Derham)	Active	LEAF

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE *
Enfield	Powder Hill Rd	14	Enfield LCF (Powder Hill Farm)	Active	LEAF
Essex	Middlesex Turnpike (Route 9A)	151	Essex LCF	Active	LEAF
Farmington	Quarry Road	48	Farmington LCF (Quarry Road)	Active	LEAF
Farmington	Red Oak Hill Road	215	Farmington LCF (Tunxis Road)	Active	LEAF
Glastonbury	2340 New London Turnpike	64	Glastonbury LCF	Active	LEAF, GRASS
Granby	Old Stagecoach Road	9	Granby LCF	Active	LEAF
Groton	Wells Road	124	Groton LCF (Wells Road)	Active	LEAF
Guilford	Goose Lane	146	Guilford LCF	Active	LEAF
Hamden	231 Wintergreen Avenue	218	Hamden LCF	Active	LEAF
Hartford	Tower Road, Kenney Park	189	Hartford LCF (Kenney Park)	Active	LEAF
Hartford	Leibert Road	225	Hartford LCF (Jennings Road)	Active	LEAF
Harwinton	Route 72	25	Harwinton LCF	Active	LEAF
Litchfield	Little Pitch Road	41	Litchfield LCF	Active	LEAF
Lyme	Brush Hill Road	118	Lyme LCF	Active	LEAF
Madison	Ridge Road	149	Madison LCF	Active	LEAF
Manchester	209 Hillstown Road	187	Manchester LCF (Botticello)	Active	LEAF
Manchester	263 Olcott Road	195	Manchester LCF	Active	LEAF
Mansfield	Warrenville Road, Route 89	36	Mansfield LCF	Active	LEAF
Meriden	Evansville Avenue	217	Meriden LCF	Active	LEAF
Middlefield	Cherry Hill Road	116	Middlefield - Middlefield/Durham - LCF	Active	LEAF
Middletown	77 Higby Road	96	Middletown LCF (Kolman Farm)	Active	LEAF, GRASS
Milford	1183 Oronoque Road	226	Milford LCF (Grillo Organic)	Active	LEAF, GRASS
Montville	669 Oakdale Road, Route 163	119	Montville LCF	Active	LEAF
Morris	Route 109	39	Morris LCF	Active	LEAF
New Canaan	Lapham Avenue	180	New Canaan LCF	Active	LEAF
New Fairfield	Bigelow Road	106	New Fairfield LCF	Active	LEAF
North Canaan	580 West Main Street	2	North Canaan LCF	Active	LEAF
North Canaan	Route 44	3	North Canaan LCF (Freund Farm)	Active	LEAF

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE *
North Haven	Warner Lane	143	North Haven LCF (Borrelli)	Active	LEAF
North Stonington	215 Wintechog Hill Road	123	North Stonington LCF	Active	LEAF
Orange	South Orange Center Road, Route 1	137	Orange LCF	Active	LEAF
Plainville	Granger Lane	49	Plainville LCF	Active	LEAF
Portland	39 Sand Hill Road	95	Portland LCF	Active	LEAF
Redding	84 Hopewell Woods Road	127	Redding LCF	Active	LEAF
Rocky Hill	Dividend Avenue	60	Rocky Hill LCF	Active	LEAF
Seymour	West Silvermine Road	190	Seymour LCF	Active	LEAF
Shelton	Soundview Avenue	130	Shelton LCF	Active	LEAF
Simsbury	Wolcott Road	10	Simsbury LCF	Active	LEAF
Somers	127 Egypt Road	31	Somers LCF	Active	LEAF
South Windsor	Burgess Road	30	South Windsor LCF	Active	LEAF
Southbury	231 Kettletown Road	111	Southbury LCF	Active	LEAF
Southington	West Center Street	81	Southington LCF (West Center Street)	Active	LEAF
Southington	East Street	87	Southington (East Street)	Active	LEAF
Stamford	Scotfieldtown Road	160	Stamford LCF (Scotfieldtown Road)	Active	LEAF
Stonington	Greenhaven Road	159	Stonington LCF	Active	LEAF
Stratford	Short Beach Road	173	Stratford LCF	Active	LEAF
Thomaston	Old Waterbury Road	42	Thomaston LCF	Active	LEAF
Trumbull	Indian Ledge Park	222	Trumbull LCF (Indian Ledge #1)	Active	LEAF
Trumbull	Indian Ledge Park	223	Trumbull LCF (Indian Ledge #2)	Active	LEAF, GRASS
Union	1024 Buckley Highway, Route 171	20	Union LCF	Active	LEAF
Vernon	Reservoir Road	33	Vernon LCF	Active	LEAF
Wallingford	Cherry Street	114	Wallingford LCF	Active	LEAF
Watertown	Old Baird Road	338	Watertown LCF	Active	LEAF
West Hartford	17 Brixton Street	56	West Hartford LCF (Brixton Street.)	Active	LEAF

LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE *
West Hartford	Albany Avenue, Route 44	224	West Hartford LCF (Albany Avenue)	Active	LEAF
West Haven	Kimberly Avenue	141	West Haven LCF	Active	LEAF
Wethersfield	Jordan Lane	58	Wethersfield LCF	Active	LEAF
Windham	Route 203	70	Windham LCF	Active	LEAF
Windsor Locks	Old County Road	12	Windsor Locks LCF	Active	LEAF
Windsor/Bloomfield	500 Huckleberry Road	13	Windsor/Bloomfield LCF	Active	LEAF
Wolcott	Todd Road	83	Wolcott LCF (Todd Road)	Active	LEAF
Wolcott	292 Woodtick Road	84	Wolcott LCF (Woodstick Road)	Active	LEAF
Woodbury	Bacon Pond Road	80	Woodbury LCF	Active	LEAF
Berlin	Norton Lane	86	Berlin LCF (Silver Lake Recycling)	Inactive	LEAF
Bridgewater	42 Wewaka Bk. Road	79	Bridgewater LCF (Shady Acres Farm)	Inactive	LEAF
Cheshire	South Meriden Road	88	Cheshire LCF (Casertano Farm)	Inactive	LEAF
Ellington	193 Pinney Street	32	Ellington LCF (Pitney Farm)	Inactive	LEAF
Griswold	630 Plainfield Road, Route 12	74	Griswold LCF	Inactive	LEAF
Newington	Main Street (Route 176)	59	Newington LCF	Inactive	LEAF
North Canaan	40 Allyndale Road	188	North Canaan LCF (Landtech)	Inactive	LEAF
Stamford	Magee Avenue	178	Stamford LCF (Magee Avenue)	Inactive	LEAF
Waterford	Miner Lane	156	Waterford LCF	Inactive	LEAF
West Hartford	Simsbury Road	28	West Hartford LCF (Simsbury Road)	Inactive	LEAF
Westport	88 North Avenue	164	Westport LCF	Inactive	LEAF

APPENDIX C.10 - PERMITTED WASTE FACILITIES: HOUSEHOLD HAZARDOUS WASTE (HHW)

MGMT	LOCATION	ADDRESS	GISID	NAME	STATUS	WASTE TYPE * see key
M	Essex	5 Town Dump Road	3472	CRERPA - HHW	Active	HHW
M	Manchester	263 Olcott Street	195	Manchester - HHW	Active	HHW
P	New Haven	90 Sargent Drive	1078	South Central Connecticut Regional Water Authority	Active	HHW
M	Willington	57 Hancock Road	253	Willington – HHW	Active	HHW

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Appendix D. Aggregate Recycling Facilities in Connecticut

- **State of Connecticut, Department of Environmental Protection Website – Construction and Demolition Aggregate Recycling Facilities.**

This is a list of companies that operate clean fill, concrete, rubble, and asphalt recycling facilities in Connecticut. This is only a partial listing, and by providing it on the website, the Department does not recommend any of these companies over any others. Website:

<http://www.ct.gov/dep/cwp/view.asp?a=2718&q=325406>

Appendix D
Construction and Demolition Aggregate Recycling Facilities

This list of companies operate clean fill, concrete, rubble, and asphalt recycling facilities in Connecticut. The name, phone number, and contact person of a company and location of the established drop-off facility are listed. This is a partial listing the Department does not recommend any of these companies over any others.

Table July 2008

Name of Company	Address	Phone and Contact
American Materials Corp.	100 Old Iron Ore Road Bloomfield, CT 06002	Phone: (860) 242-6023 Contact: Charlie Kopcinski
Bart LoRusso & Sons, Inc. The General Stone, LLC	109 Nichols Dr./157 East Aurora Waterbury, CT 06708	Phone: (203) 755-0065 Contact: Bart LoRusso, Jr.
Burns Construction	Housatonic Avenue Bridgeport, CT 06604	Phone: (203) 335-6640 Contact: Edward Burns
Galasso Materials, LLC	P.O. Box 1776 East Granby, CT 06026	Phone: (860) 653-2524, x 3236 Contact: Bob Bertolo
Guerrera Construction Company, Inc.	154 Christian Street Oxford, CT 06478	Phone: (203) 888-5069 Fax: (203) 888-7191 Contact: Joseph A. Guerrera, Jr.; Jill Toma,
Hubert E. Butler	Route 66, Portland, CT 06480	Phone: (860) 342-3880 Contact: Nancy Abell
Incorporated Industries, LLC	180 West Newberry Road Bloomfield, CT 06002	Phone: (860) 242-0150 Contact: Ken Ouellette Website: www.incorpind.com
John J. Brennan Construction	2 Riverdale Avenue Shelton, CT 06484	Phone: (203) 924-1154 Contact: Howard Vagt
Manchester Recycling & Materials, LLC	60 Adams Street, Manchester, CT 06040	Phone: (860) 646-8076 Contact: Jeff Angell
NJL Corporation	100 Scott Road Prospect, CT 06712	Phone: (203) 758-6662 Contact: Bob Capanna
O&G Industries, Inc.	1225 Seaview Avenue Bridgeport, CT 06605	Phone: (860) 485-6622 Fax: (860) 485-6602 Contact: Suzanne Duffy E-mail: sueduffy@ogind.com Website: www.ogind.com
O&G Industries, Inc.	69-70 Davenport St. Stamford, CT 06902	Phone: (860) 485-6622 Fax: (860) 485-6602 Contact: Suzanne Duffy E-mail: sueduffy@ogind.com Website: www.ogind.com
Recycled Concrete Products	Apothecaries Road East Windsor, CT 06106	Phone: 1-800-742-6701 Contact: Don Mucci

Name of Company	Address	Phone and Contact
Tilcon Connecticut	Colt Highway, Route 6 Farmington, CT 06032	Phone: (860) 677-1643 or (860) 612-3092 Contact: Jerry Dembiczak
Tilcon Connecticut	185 South Road Groton, CT 06340	Phone: (860) 445-2457 Contact: Steven Chisholm
Valley Sand & Gravel	400 North Frontage Road North Haven, CT 06473	Phone: (203) 467-6328 Contact: Elmer Laydon
Waste Conversion Technologies, Inc.	221 Old Gate Lane Milford, CT 04460	Phone: (203) 882-5840 Contact: Lorene Staple Contact: William Laydon, Jr.
Yorkhill Trap Rock Quarry Co.	975 Westfield Road Meriden, CT 06450	Phone: (203) 237-8421 Contact: Bruce Dykty

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Appendix E. Connecticut Regulated Waste Facilities

State of Connecticut – Department of Environmental Protection Website:

Commercial Hazardous Waste and Connecticut Regulated Waste Facilities in Connecticut.

The facilities listed manage both hazardous waste and Connecticut Regulated Waste; and manage mainly non-hazardous Connecticut Regulated Waste. The appearance of a facility on this list does not constitute a recommendation or approval of the facility. The list is subject to change. Website:

http://www.ct.gov/dep/cwp/view.asp?a=2718&q=325490&depNav_GID=1646&pp=12&n=1

Appendix E

Commercial Hazardous Waste and Connecticut Regulated Waste Facilities in Connecticut

The appearance of a facility on this list does not constitute a recommendation or approval of the facility. The list is subject to change without notice. The facilities listed in Table I manage both hazardous waste and Connecticut Regulated Waste. The facilities listed in Table II manage mainly non-hazardous Connecticut Regulated Waste. For further information, including current permit status information for these facilities, please contact the Waste Engineering and Enforcement Division at (860) 424-3372. You may also call our toll free compliance assistance line at 1-888-424-4193.

Table I: Hazardous Waste and Connecticut Regulated Waste Facilities, July 2008

TSDF Name	Address	Phone No.	EPA ID No.	Comments
Bridgeport United Recycling, Inc.	50 Cross St., Bridgeport, CT	203-334-1666	CTD002593887	Used oil and hazardous waste recycling/treatment /storage/transfer facility.
Clean Harbors of CT, Inc.	761 Middle St. Bristol, CT	860-583-8917	CTD000604488	Hazardous waste storage /treatment and used electronics disassembling facility.
United Oil Recovery, Inc.	136 Gracy Ave. Meriden, CT	203-238-6745	CTD021816889	Used oil and hazardous waste recycling/treatment /storage facility.
Waste Management New England Environmental Transport, Inc.	203 Pickering St. Portland, CT	860-342-0667	CTD983896341	Hazardous waste transfer facility.
Environmental Services, LLC.	90 Brookfield St. S. Windsor, CT	860-528-9500	CTD018811802	Hazardous waste transfer facility.

Table II: Connecticut Regulated Waste Facilities

TSDF Name	Address	Phone No.	EPA ID No.	Comments
North East Lamp Recycling, Inc.	250 Main St. East Windsor, CT	860-292-1992	CT5000001495	Fluorescent lamp recycling and used electronics disassembling facility.
We Recycle!	500 S. Broad St Meriden, CT.	203-630-0344	CTR000503359	Used electronics disassembling facility.
Active Oil, Inc.	120 Forbes Ave. New Haven, CT	203-466-1030	CTD072131733	Used oil processing and marketing facility – Currently not operating.
Phoenix Soil, Inc.	130 Freight St. Waterbury, CT	203-759-0053	N/A	Petroleum contaminated soil thermal treatment facility.
United Retek of Connecticut, LLC	28 North Main St. West Hartford, CT	203-759-0053	N/A	Mobile soil stabilization treatment unit.
United Retek of Connecticut, LLC	28 North Main St. West Hartford, CT	203-759-0053	N/A	Mobile soil stabilization treatment unit.
COT-PuriTech, Inc.	1930 Main St. Sanford, ME	207-324-9200	N/A	Mobile used oil recycling unit.

Appendix F. Transporter Public List – Biomedical Waste

State of Connecticut, Department of Environmental Protection – Permitted Biomedical Waste Transporters. Website:

http://www.ct.gov/dep/lib/dep/waste_management_and_disposal/transporters_and_facilities/biomedicalwastetransporters.pdf

Appendix F

State of Connecticut Department of Environmental Protection Licensed Biomedical Waste Transporter List Descriptive Key

Column Headings:

EPA ID NO. =	Permittee's U.S. EPA ID Number
CT NO. =	HW – Permittee's Connecticut Hazardous Waste Transporter Number BMW – Permittee's Connecticut Biomedical Waste Transporter Number
Transporter Name =	Permittee's name as written on permit
Town =	Town the permittee is located in
State =	State the permittee is located in
Phone Number =	The phone number where the permittee can be contacted
P E D =	Permit Expiration Date
N =	Transporter is permitted to transport CT Regulated Waste only
H =	Transporter is permitted to transport hazardous waste only
SP =	Transporter is a Connecticut Spill Clean-Up Contractor

NOTE: Since all Connecticut waste transporter permits are vehicle and waste specific, you should verify that the vehicle(s) to be used and wastes to be transported are listed on the transporter's permit before using their services.

This list has been established for general reference only and should not be used as an ultimate verification source (i.e., You may want to request a current copy of the waste transporter's permit from the hauler you intend to use). Please be aware that this listing may change from day to day, however, due to resource constrains, this list is only periodically updated. In addition, this list should not be construed to be a recommendation from the Bureau of Materials Management and Compliance Assurance of any services provided. Should you have any questions or comments, contact the Waste Engineering and Enforcement Division at (860) 424-3566.

Transporter Public List – Biomedical Waste (Table, July 2008)

	<u>Permit No.</u>	<u>EPA ID</u>	<u>Transporter Name</u>	<u>Site Street Address</u>	<u>Town</u>	<u>Phone No.</u>	<u>PED</u>	<u>N</u>	<u>H</u>	<u>SP</u>
State: CT										
1	CT-BMW-37	CTR000506162	ALPINE ENVIRONMENTAL LLC	425 SOUTH CHERRY ST.	WALLINGFORD	(203) 269-9522	02/14/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	CT-BMW-31	N/A	BIOMETHODS LLC	36 SHEFFIELD ST.	WATERBURY	(203) 756-7007	06/27/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	CT-BMW-42	CTR000004507	CONNECTICUT TANK REMOVAL INC.	118 BURR COURT	BRIDGEPORT	(203) 384-6020	Pending 9/08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	CT-BMW-21	CTR000003939	ENVIRONMENTAL MAINTENANCE SERVICES, INC.	10 GRAMAR AVE.	PROSPECT	(203) 758-5550	07/02/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	CT-BMW-19	CTD018811802	ENVIRONMENTAL SERVICES, INC.	90 BROOKFIELD ST.	SOUTH WINDSOR	(860) 528-9500	06/30/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	CT-BMW-40	N/A	FACILITY SUPPORT SERVICES, LLC	2685 STATE ST.	HAMDEN	(203) 288-1281	11/20/2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	CT-BMW-9	CTR000506535	HEALTHCARE WASTE SOLUTIONS, INC.	117 MURPHY RD.	HARTFORD	(718) 842-9655	01/31/2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	CT-BMW-18	N/A	PATHACURA	65 OAK ROAD	WEST HAVEN	(800) 315-6373	01/05/2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	CT-BMW-5	CTD983872698	STERICYCLE, INC.	80 INDUSTRIAL PARK RD.	MIDDLETOWN	(860) 632-0294	10/13/2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	CT-BMW-38	CTR000505933	TRUE BLUE ENVIRONMENTAL SERVICES, LLC	5 NORTHFIELD RD.	WALLINGFORD	(203) 269-3355	06/27/2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: IL										
1	CT-BMW-32	N/A	DANIELS SHARPSMART, INC.	150 N MICHIGAN AVE SUITE 2800	CHICAGO	(757) 880-6818	06/26/2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: MA										
1	CT-BMW-14	MAD039322250	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.	42 LONGWATER DR.	NORWELL	(781) 792-5764	09/25/2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	CT-BMW-23	FLD092718576	MORAN ENVIRONMENTAL RECOVERY LLC	75 YORK AVE.	RANDOLPH	(781) 815-1177	06/22/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	CT-BMW-8	MAD985307685	NATIONAL WASTE MANAGEMENT, INC.	362 PUTNAM HILL RD.	SUTTON	(508) 476-1900	06/17/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: NJ										
1	CT-BMW-12	NJD080631369	VEOLIA ES TECHNICAL SOLUTIONS, LLC.	1 EDEN LANE	FLANDERS	(973) 691-7321	04/07/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: NY										
1	CT-BMW-27	NYR000076513	APPROVED STORAGE & WASTE HAULING, INC.	110 EDISON AVE.	MT. VERNON	(914) 664-4791	04/07/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	CT-BMW-26	NYD987039831	MEDI TRANSPORT SERVICES, INC.	306 FREETOWN HIGHWAY	WALLKILL	(845) 292-3577	08/04/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	CT-BMW-25	NYR000109645	NYESC ACQUISITION CORP DBA HEALTH CAE WASTE SERV	1281 VIELE AVE.	BRONX	(718) 842-9655	05/05/2010	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Appendix G. Connecticut Licensed Asbestos Contractors

- **Connecticut Department of Public Health – Asbestos Program**

<http://www.ct.gov/dph/cwp/view.asp?a=3140&q=387400>

- **Connecticut Department of Public Health – Licensed Asbestos Contractors**

http://www.ct.gov/dph/LIB/dph/environmental_health/asbestos/pdf/contractors.pdf

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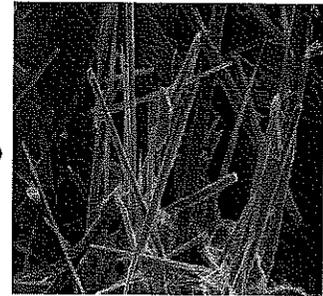
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- >> [NEWS ROOM](#)
- >> [PUBLIC HEALTH CODE](#)

Asbestos Program

The goal of the Asbestos Program is to reduce the potential for exposure to asbestos, a known human carcinogen. Asbestos has been found in over three thousand building materials and products. Contrary to popular belief asbestos is still imported into the United States and is still found in some products. The Asbestos Program administers regulations pertaining to licensed asbestos contractors and consultants in addition to regulations pertaining to all public and private, kindergarten to grade twelve not for profit schools in Connecticut. The Asbestos Program is responsible for ensuring that local education agencies properly manage asbestos-containing materials in schools.



- [Asbestos - General Information](#)
- [Forms/Applications](#)
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- [What are the health risks?](#)
- [What should I do if I find asbestos in my home?](#)

Consultants and Contractors List

- [Licensed Asbestos Consultants List \(pdf\)](#) - inspectors, management planners, project designers, project monitors
- [Licensed Asbestos Contractors List \(pdf\)](#)
- [Training Providers List \(pdf\)](#)

Education/Training

- [Application for Training Course Approval \(pdf\)](#)
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- [Training Course Notification \(pdf\)](#)

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- [Asbestos Abatement Notification Form Microsoft Word | Adobe pdf](#)
- [Demolition Notification Form \(microsoft word\)](#)

Regulations

- [Public Health Code](#)
- [Statutory Definition of Asbestos Abatement](#)
- [Standards for Asbestos Abatement \(microsoft word\)](#)
- [Licensing and Training Requirements \(microsoft word\)](#)

Asbestos in Schools

- [Asbestos Containing Material in Schools](#)
- [Asbestos Management in Schools \(pdf\)](#)
- [AHERA Regulations \(pdf\)](#)
- [Designated Person's Study Guide \(pdf\)](#)
- [Three-Year Reinspection Form \(pdf\)](#)
- [Circular Letter EHS#2006-33 \(pdf\) - Request to Perform Asbestos Abatement While School is in Session](#)

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CONTRACTORS
Alphabetical Listing

State of Connecticut, Department of Public Health

ASBESTOS PROGRAM TELEPHONE (860) 509-7367 FAX (860) 509-7378

<http://ct.gov/dph>

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	CT	ZIP	A/C TELEPHONE	EXP. DATE
000017	A.A.I.S. CORP.	16 HAMILTON STREET	WEST HAVEN	CT	06516-	(203) 932-2992	31-Aug-09
000004	A.C.E.S., INC.	50-B WALNUT ST.	MIDDLETOWN	CT	06457-	(860) 828-3400	31-Aug-08
000229	A.C.T. ABATEMENT CORP.	18 BROADWAY	LAWRENCE	MA	01840-1010	(978) 794-9530	30-Jun-09
000541	A.M.A ENVIRONMENTAL, LLC	27 MUDDYBROOK ROAD	ELLINGTON	CT	06029-	(860) 798-4089	31-Dec-08
000126	A.M.O. O'BRIEN	P.O. BOX 6754	STAMFORD	CT	06904-	(203) 327-5581	31-Mar-09
000002	A-1 ASBESTOS ABATEMENT, INC.	P.O. BOX 4386	WATERBURY	CT	06704-	(203) 755-8999	31-Aug-09
000393	AA ASBESTOS ABATEMENT, LLC.	33 FERNWOOD DRIVE	EASTHAMPTON	CT	06424-	(860) 410-0653	31-Mar-09
000280	AAA ENVIROMENTAL, INC.	P.O. BOX 370.	MATTYDALE	NY	13211-	(315) 454-2000	31-Jul-09
000509	ABATEMENT CONTRACTOR SVS.	75 APPLEWOOD DRIVE	MERIDEN	CT	06450-	(203) 886-7192	31-Dec-08
000421	ABATEMENT TECHNOLOGIES, LLC	2 ELIZABETH STREET	WEST HAVEN	CT	06516-	(203) 387-2400	28-Feb-09
000456	ABATEMENT UNLIMITED, INC.	666 THIRD AVENUE ARCADE LEVEL, SUITE ARH	NEW YORK	NY	10017-	(212) 661-0325	28-Feb-09
000282	ABATETECH, INC.	P.O. BOX 25 30 MAPLE AVENUE	LUMBERTON	NJ	08048-	(609) 265-2107	31-Jul-09
000186	ABCON ENVIRONMENTAL	205 WALLACE STREET	NEW HAVEN	CT	06513-	(203) 776-7583	30-Nov-08
000312	ABCON SALES CORP.	16 WHITE BIRCH DRIVE	DIX HILLS	NY	11746-	(516) 271-3341	31-Aug-08
000223	A-BEST ABATEMENT, INC.	24 KEEWAYDEN DRIVE, SUITE 1	SALEM	NH	03079-	(603) 893-4696	30-Sep-08
000072	ABIDE, INC.	P.O. BOX 886	EAST LONGMEADOW	MA	01028-	(413) 525-0644	31-Dec-08
000019	ABS ENVIROEMED ASBESTOS REMOVAL	P.O. BOX 2175	NORWALK	CT	06852-2175	(203) 849-8757	28-Feb-09
000469	ABSOLUTE ENVIRONMENTAL, INC.	45 F NORTHWESTEN DRIVE	SALEM	NH	03079-	(603) 890-6500	30-Sep-08
000168	ABTRON CORP.	40 UNDERHILL BLVD. SUITE 20	SYOSSET	NY	11791-	(516) 364-4678	31-Jul-09
000499	ACCURATE DOOR & WINDOWS, LLC	156 MIDDLE ROAD	PRESTON	CT	06365-	(860) 334-4357	30-Jun-09
000008	ACCURATE INSULATION, INC.	33A STAFFORD AVE.	BRISTOL	CT	06010-	(860) 584-2146	31-Aug-08
000076	ACCUTECH INSULATION & CONTRACTING, INC.	100 STATE STREET P.O. BOX 376	LUDLOW	MA	01056-	(413) 592-5326	31-Dec-08
000211	ACM CONSULTING CORP	2150 STANLEY TERRACE	UNION	NJ	07083-	(908) 687-1008	31-Jul-09
000009	ACMAT CORPORATION	233 MAIN STREET	NEW BRITAIN	CT	06050-	(860) 229-9000	31-Aug-08
000528	ACME ABATEMENT CONTRACTOR, INC.	20 COMMERCE WAY UNIT 12, PMB#324	SEEKONK	MA	02771-	(508) 336-5551	31-Jul-09
000096	ACTION ASBESTOSROGERP	348 MAPLE AVENUE	UNCASVILLE	CT	06382-	(860) 848-2912	31-Dec-08
000451	ACTION REMEDIATION, INC.	3010 BURNS AVENUE	WANTAGH	NY	11793-	(516) 781-3000	31-Dec-08
000164	ADVANCED BUILDING SYSTEMS, INC.	97 SHANNON ROAD	SALEM	NH	03079-	(603) 893-0380	31-Jul-09
000520	AERO TEC ENVIRONMENTAL	163 RICE AVENUE	NORTHBORO	MA	01532-	(978) 375-9534	31-May-09
000012	AERO-CLEAN DEMOLITION CONTRACTORS, INC	30 NUTMEG DR.	TRUMBULL	CT	06611-	(203) 380-8300	31-Aug-09
000266	AIR QUALITY EXPERTS INC	23 HALL FARM RD	ATKINSON	NH	03811-	(603) 894-6465	28-Feb-09

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	RI	ZIP	A/C TELEPHONE	EXP. DATE
000171	AIR-TECH ABATEMENT CORP.	50 EDMUND STREET	EAST PROVIDENCE	RI	02914-	(401) 435-6467	31-Jul-08
000548	ALL CATASTROPHE CONSTRUCTION TEAM, INC.	6409 LAND O LAKES BLVD	LAND O LAKES	FL	34636-	(800) 989-3350	31-May-09
000356	ALL PURPOSE ABATEMENT & CONSTRUCTION	230 CRYSTAL LAKE ROAD	GROTON	CT	06340-	(800) 405-1775	31-Aug-08
000443	ALLEN'S ASBESTOS	3 COLONY STREET P.O. BOX 924	MERIDEN	CT	06450-	(203) 630-3254	31-Jul-08
000432	ALLIED RESTORATION CORPORATION	162 GOVERNOR STREET P.O. BOX 280835	EAST HARTFORD	CT	06108-	(860) 291-8833	30-Apr-09
000011	ALLIED ROOFING & SHEET METAL CO., INC.	P.O. BOX 280744	EAST HARTFORD	CT	06128-0744	(860) 289-4374	31-Aug-08
000394	ALPHA ABATEMENT, LLC	162 RANGELY STREET	WEST HAVEN	CT	06516-	(203) 931-1813	31-May-08
000503	AMERICAN ENVIRONMENTAL, INC.	380 WESTFIELD STREET	WEST SPRINGFIELD	MA	01089-	(413) 746-0445	30-Sep-08
000397	AML ENVIRONMENTAL, INC.	976 MCLEAN AVENUE SUITE #350	YONKERS	NY	10704-	(845) 623-1344	31-May-09
000515	ASBESTOS AND MOLD SERVICES, INC.	3859 SYLON BOULEVARD	HAINESPORT	NJ	08036-	(609) 702-0400	31-Mar-09
000110	ASBESTOS CORPORATION OF AMERICA	791 NEPPERHAN AVENUE	YONKERS	NY	10703-2012	(914) 965-5829	31-Jan-09
000376	ASBESTOS MANAGEMENT CO., LLC	P.O. BOX 456	TORRINGTON	CT	06790-	(860) 482-6677	31-Aug-09
000003	ASBESTOS REMOVAL & CONSTRUCTION SVCS	168 STONE ROAD	BURLINGTON	CT	06013-	(860) 675-6968	31-Aug-08
000097	ASBESTOS REMOVAL & CONTAINMENT, INC.	88 LEITAO DRIVE	OAKDALE	CT	06370-	(860) 848-2410	31-Jan-09
000517	ASBESTOS SERVICES	306 TOLLAND ST	EAST HARTFORD	CT	06108-	(860) 289-8691	31-Mar-09
000466	ASM CONTRACTING, INC.	P.O. BOX 336	LUMBERTON	NJ	08048-	(609) 267-2261	31-Jul-08
000181	ASTECH/MARMON INC.	P.O. BOX 5346	BRIDGEPORT	CT	06610-	(203) 335-0502	30-Nov-08
000433	ATLANTIC CONTRACTING & SPECIALTIES, LLC	P.O. BOX 145	BROOKLYN	CT	06234-	(717) 399-5122	30-Apr-09
000463	ATLAS ENGINEERING + MAINTENANCE CO., INC.	514-A MAIN STREET SUITE 664	ROCHELLE	NY	10801-	(914) 490-4416	30-Jun-09
000552	AWAY ENVIRONMENTAL, INC.	88 RENNERT LANE	BARDONIA	NY	10954-	(973) 296-0642	30-Jun-09
000434	B + G ENVIRONMENTAL	ELI S. GONZALEZ 53 JUDITH TERRACE	NEW HAVEN	CT	06513-	(203) 469-8793	31-May-08
000357	BAKO CONSTRUCTION & RESTO	265 RT 46, SUITE 3D	TOTOWA	NJ	07512-	(973) 256-7010	31-Mar-09
000320	BAYSTATE CONTRACTING SERVICES, INC.	352 ALBANY STREET	SPRINGFIELD	MA	01101-	(413) 781-0821	31-Oct-08
000273	BAYSTATE HOME GUARD	38 DAWES ST	SPRINGFIELD	MA	01109-	(413) 596-5940	30-Apr-09
000016	BESTECH INC. OF CT.	25 PINNEY STREET	ELLINGTON	CT	06029-	(860) 896-1000	31-Aug-09
000172	BRANCH CONSTRUCTION CO., INC.	101-3 COLIN DRIVE	HOLBROOK	NY	11741-	(516) 563-7300	31-Aug-08
000364	BRANDENBURG INDUSTRIAL SERVICES, INC.	2217 SPILLMAN DRIVE	BETHLEHEM	PA	18015-	(610) 691-1800	30-Apr-09
000371	BRICO, LLC	6 C NORTHWOOD ROAD	BLOOMFIELD	CT	06002-	(860) 242-7068	30-Jun-09
000051	BRISTOL ENVIRONMENTAL, INC.	1123 BEAVER ST.	BRISTOL	PA	19007-	(215) 547-7234	31-Oct-08
000088	C & D SERVICES LLC	31 NUTMEG VALLEY ROAD	WOLCOTT	CT	06716-	(203) 879-5270	31-Dec-08
000372	CABRERA SERVICES, INC.	473 SILVER LANE	EAST HARTFORD	CT	06118-	(860) 569-0095	31-May-09
000506	CAC OF NY, INC.	165 HORTON AVENUE	LYNBROOK	NY	11563-	(516) 596-4200	31-Oct-08
000286	CANNON SLINE INDUSTRIAL, INC.	10 INDUSTRIAL HIGHWAY, BUILDING E, 2ND FLOOR	CANNON SLINE INDUSTRIAL, INC.	PA	19113-	(215) 729-4600	31-Oct-08
000307	CAPITAL BLDG WRECKING LLC	147 DAVENPORT ST	BRIDGEPORT	CT	06607-	(203) 870-9494	31-May-09

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	OH	ZIP	A/C TELEPHONE	EXP. DATE
000478	CENTRAL INSULATION SYSTEMS, INC.	300 MURRAY ROAD	CINCINNATI	OH	45217-	(513) 242-0600	30-Apr-08
000358	CHARLES ASBESTOS-ABATEMENT	61 CARBONELLA DR	HAMDEN	CT	06514-	(203) 397-0080	31-Mar-09
000331	CHARTER ENVIRONMENTAL, IN	72 JONSPIN ROAD	WILMINGTON	MA	01887-	(617) 889-2228	28-Feb-09
000477	CHERRY HILL CONSTRUCTION	51 CIRO ROAD	NORTH BRANFORD	CT	06471-	(203) 488-7929	30-Apr-09
000194	CL&P	250 FREIGHT ST	WATERBURY	CT	06702-	(860) 665-5000	31-Mar-09
000513	CLASSIC ENVIRONMENTAL INC	163 ANTHONY ROAD	CLIFTON PARK	NY	12065-	(518) 664-1209	31-Jan-09
000482	COMMONWEALTH CONTR., SVS.	203 SPARK STREET	BROCKTON	MA	02302-	(508) 941-8868	31-May-09
000537	CONNECTICUT NATURAL GAS CORP	76 MEADOW STREET	EAST HARTFORD	CT	06108-	(860) 727-3000	30-Nov-08
000467	CONTAMINANT CONTROL, INC.	438-C ROBESON STREET	FAYETTEVILLE	NC	28301-	(910) 484-7000	31-Aug-08
000410	CREATIVE CONSTRUCTION OF N.E. LLC	1122 MILL STREET	EAST BERLIN	CT	06023-	(860) 224-7249	30-Nov-08
000278	CRP, LLC	P. O. BOX 463	PLAINVILLE	CT	06062-	(860) 229-4853	30-Jun-09
000113	CST ENVIRONMENTAL, INC.	404 NORTH BERRY STREET	BREA	CA	92821-	(714) 672-3500	31-Mar-09
000516	CT ENVIRONMENTAL & DEMO, LLC	56 SPRINGDALE STREET	BRIDGEPORT	CT	06806-	(203) 727-4661	31-Mar-09
000353	D & S ABATEMENT, INC.	11 ROSENGREN AVENUE	TOTOWA	NJ	07512-	(973) 345-8685	28-Feb-09
000121	D & S RESTORATION, INC.	20 CALIFORNIA AVE.	PATERSON	NJ	07503-	(973) 345-8020	31-Mar-09
000330	D.S.A. SERVICES, INC.	800 EAST ELIZABETH AVE	LINDEN	NJ	07036-	(718) 788-1414	28-Feb-09
000340	DANAIR, INC.	70 SNYDER DRIVE	LEHIGHTON	PA	18235-	(610) 379-9551	31-May-09
000327	DANTZLER CONSTRUCTION	55 PARK AVENUE, EXT.	UNCASVILLE	CT	06382-	(860) 848-0779	31-Jan-09
000384	DAY & ZIMMERMAN NPS, INC.	1866 COLONIAL VILLAGE LANE SUITE 101	LANCASTER	PA	17601-	(717) 481-5600	31-Dec-08
000031	DEC-TAM CORPORATION	50 CONCORD STREET	NORTH READING	MA	01864-	(978) 470-2860	30-Sep-08
000324	DELLOMO ABATEMENTSERVICE, INC.	65 LAKE ROAD	BROOKFIELD	MA	01506-	(508) 450-1857	31-Dec-08
000359	DEMCO, INC.	238 LEIN ROAD	WEST SENECA	NY	14224-	(716) 674-0883	31-Mar-09
000180	DIAMOND, INC.	99 BROOKSIDE RD	WATERBURY	CT	06708-	(203) 754-7884	30-Nov-08
000383	DJ CONTRACTING, INC.	P. O. BOX 646	PINE BROOK	NJ	07058-	(973) 808-1761	31-Dec-08
000239	DYNAMIC ENGINEERING	DYNAMIC ENGINEERING 703 BROOKLYN TNPK	HAMPTON	CT	06247-	(860) 423-5163	30-Apr-09
000153	EAST COAST HAZ MAT REMOVAL, INC.	494 E. 41ST ST.	PATERSON	NJ	07504-	(201) 777-8802	30-Jun-09
000431	ECI NORTHEAST, LLC	3 HOWE DRIVE, UNIT 1	AMHERST	NH	03031-	(603) 883-5880	30-Apr-08
000109	EMLO CORPORATION	50 BARNES STREET	PATERSON	NJ	07501-	(201) 523-6651	31-Jan-09
000157	ENFIELD ENTERPRISES, INC.	30 MAGAZINER PLACE	SPRINGFIELD	MA	01104-	(860) 749-0618	30-Jun-09
000188	ENV. MGMT. GEOLOGICAL CONSULTANTS, INC.	P. O. BOX 2087 HUNTINGTON STATION	SHELTON	CT	06484-	(203) 924-9544	31-Dec-08
000158	ENV. SERVICES, INC.	90 BROOKFIELD STREET	SOUTH WINDSOR	CT	06074-	(860) 528-9500	30-Jun-09
000533	ENVIROGUARD LLC	362B RIVER STREET	BRIDGEPORT	CT	06606-	(203) 659-7350	31-Oct-08
000388	ENVIRON. CONSUL. & CONT.	P. O. BOX 2654	WATERBURY	CT	06723-2654	(860) 621-0042	31-Jan-09
000540	ENVIRONMENTAL CONTRACTOR	6 BIRCH DRIVE	STRATFORD	CT	06615-	(203) 455-4433	31-Dec-08

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	NJ	ZIP	A/C TELEPHONE	EXP. DATE
000550	ENVIRONMENTAL CONTRACTORS, INC.	235 WATCHUNG AVENUE	WEST ORANGE	NJ	07052-	(973) 243-9872	31-May-09
000084	ENVIRONMENTAL ENGINEERING SERVICES, INC	19 CAPTAINS WALK	TRUMBULL	CT	06611-	(203) 545-0002	31-Dec-08
000106	ENVIRONMENTAL ENTERPRISES & ASSOC.	35 POND PARK ROAD UNIT #4	HINGHAM	MA	02043-	(781) 982-0828	31-Jan-09
000058	ENVIRONMENTAL GROUP, INC.	12 EAST VIEW DRIVE	FARMINGTON	CT	06032-	(860) 676-2908	30-Nov-08
000435	ENVIRONMENTAL REMEDIATION	311 ROTTERRAM INDUSTRIAL PARK BUILDING 3,	SCHENECTADY	NY	12306-	(518) 355-9817	31-Jan-09
000378	ENVIRONMENTAL RESPONSE SERVICES, INC.	9 BLUEBERRY LANE	NORTH DARTMOUTH	MA	02747-	(508) 998-6229	30-Apr-09
000496	ENVIRONMENTAL RESTORATION	10 HAZEL DRIVE	HAMPSTEAD	NH	03841-	(603) 329-6101	30-Apr-09
000547	ENVIRONMENTAL RESTORATION SERVICES, CORP	377 ESSEX STREET	LAWRENCE	MA	01840-	(978) 686-6912	31-May-09
000551	ENVIRONMENTAL SOURCE CORP	181 CANAL STREET, 3RD FLR.	LAWRENCE	MA	01840-	(978) 681-7888	31-May-09
000526	ENVIRONMENTAL TECHNICIANS, INC.	P.O. BOX 874	MIDDLETON	MA	01949-	(978) 774-0894	31-Jul-08
000511	ENVIRO-SAFE CORPORATION	15 HULTENIUS STREET, SUITE 1A	PLAINVILLE	CT	06062-	(860) 410-9841	31-Dec-08
000022	ENVIROTECH ENVIRONMENTAL SVS. OF NEW ENG	48 UNION STREET	STAMFORD	CT	06906-	(203) 353-1076	30-Sep-09
000538	ENVIROVANTAGE, INC	629 CALEF HIGHWAY	EPPING	NH	03042-	(603) 679-9682	30-Nov-08
000339	EQ NORTHEAST, INC.	185 INDUSTRIAL ROAD	WRENTHAM	MA	02093-	(508) 384-6151	31-May-09
000089	ETS CONTRACTING, INC.	160 CLAY STREET	BROOKLYN	NY	10021-	(718) 706-6300	31-Dec-08
000366	EXCEL INSULATION CO., INC	2282 HAMBURG TURNPIKE	WAYNE	NJ	07470-	(973) 835-6100	30-Jun-09
000100	F.J. DAHILL COMPANY, INC.	P.O. BOX 9578	NEW HAVEN	CT	06535-	(203) 489-6454	31-Jan-09
000294	FLEET ENVIRONMENTAL SVS., INC.	75 D YORK AVENUE	RANDOLPH	MA	02368-	(508) 946-6900	28-Feb-09
000495	FLEET INDUSTRIAL SERVICES	75E YORK AVENUE	RANDOLPH	MA	02368-	(781) 815-1159	30-Apr-09
000050	FOUR STRONG BUILDERS	180 SARGEANT AVENUE	CLIFTON	NJ	07013-	(201) 614-0377	31-May-09
000502	GLASTONBURY ENVIRON. CO.	P.O. BOX 1403	GLASTONBURY	CT	06033-	(860) 659-4120	30-Sep-08
000532	GLOBAL YUNI BLOCK HOLDINGS, LLC	165 WEST 48TH STREET	BAYONNE	NJ	07002-	(201) 507-0500	30-Sep-08
000135	GREAT FALLS CONSTRUCTION	360 PALISADE AVENUE	GARFIELD	NJ	07026-	(201) 278-6510	30-Apr-09
000531	GREATER BRIDGEPORT COMMUNITY ENTERPRISE	1070 PARK AVENUE	BRIDGEPORT	CT	06604-	(203) 338-4746	31-Aug-08
000494	GREENWOOD ABATEMENT CONSULTANTS, INC.	268 MAIN STREET	BUTLER	NJ	07405-	(201) 303-2187	30-Apr-09
000518	HARGROVE ENVIRONMENTAL	20 HELM ST	WEST HAVEN	CT	06516-	(203) 386-0624	30-Apr-08
000274	HARVEST PAINTERS	47 BRAMBLEBUSH ROAD	MANCHESTER	CT	06040-	(860) 649-0027	30-Apr-09
000147	HAZARDOUS ELIMINATION CORP	195 H CENTRAL AVENUE	FARMINGDALE	NY	11735-	(516) 752-2898	31-May-09
000055	HAZ-PROS, INC.	125A BROOK STREET	WEST HARTFORD	CT	06110-	(860) 232-2225	30-Nov-08
000529	HOMEGUARD ENVIRONMENTAL - MS, INC.	48 UNION STREET	STAMFORD	CT	06906-	(203) 323-8000	31-Jul-09
000539	I.E.S. USA, INC	34 NORTH BOND ST	MOUNT VERNON	NY	10550-	(914) 665-4036	30-Nov-08
000053	INCOR GROUP, INC.	P.O. BOX 26072 88 FARWELL STREET	WEST HAVEN	CT	06516-	(203) 937-8518	31-Oct-08
000406	INFINITY ENVIRONMENTAL SERVICES, INC.	34 NORTH BOND STREET	MOUNT VERNON	NY	10550-	(914) 665-7000	30-Sep-08
000524	INTEGRATED BUILDING SVS., LLC	167 CHERRY ST., #319	MILFORD	CT	06460-	(203) 243-9547	30-Jun-09

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	CT	ZIP	A/C TELEPHONE	EXP. DATE
000523	J & F ENVIRONMENTAL & DELEADING, LLC	225 CLINTON AVENUE	NEW HAVEN	CT	06513-	(203) 789-1166	30-Jun-08
000120	J.R. CONTRACTING & ENVIRONMENTAL CONS.	1141 ROUTE 23	WAYNE	NJ	07470-	(201) 628-9500	31-Mar-09
000412	JEMCO ENVIRONMENTAL, LLC.	P.O. BOX 120575	EAST HAVEN	CT	06512-	(203) 467-2505	30-Nov-08
000500	JORDAN INTERIORS LTD.	53 CHARTER OAK DRIVE	NEWTOWN SQUARE	PA	19073-	(610) 353-5059	31-Jul-09
000464	KINGSTON ENVIR. SVS., INC	15450 HANGAR ROAD	KANSAS CITY	MO	64147-	(816) 524-8811	30-Jun-09
000480	KLEAN ABATEMENT SERVICES	74 WOOD DRIVE	EAST HARTFORD	CT	06108-	(860) 291-9554	31-May-08
000302	KROPP ENVIRO. CONTRA. INC	32 EXETER ROAD P.O. BOX 258	LEBANON	CT	06249-	(860) 822-1660	31-Mar-09
000317	L. SIMON CORPORATION	35 PORTMAN ROAD	NEW ROCHELLE	NY	10801-	(214) 654-8800	30-Sep-08
000123	L.V.I. ENVIRONMENTAL SRVSINC.	462 GETTY AVENUE	CLIFTON	NJ	07011-	(201) 489-3200	31-Mar-09
000033	LEAD TECH, INC.	149 COLONIAL ROAD P.O. BOX 1270	MANCHESTER	CT	06045-1270	(860) 646-6555	30-Sep-08
000132	LEADPRO, INC.	200 PRATT STREET	MERIDEN	CT	06450-	(203) 235-5664	30-Apr-08
000283	LILICH CORPORATION	606 MCBRIDE AVE.	WEST PATERSON	NJ	07424-	(973) 812-4455	31-Jul-09
000454	LPD CONTRACTING, INC.	1205 MCBRIDE AVENUE	WEST PATERSON	NJ	07424-	(973) 247-0450	31-Dec-08
000062	LVI ENVIRONMENTAL SERVICES, INC.	69 EASTERN STEEL RD	MILFORD	CT	06460-	(617) 396-8800	30-Nov-08
000527	LVMMAZZOCCHI WRECKING, INC.	32 WILLIAMS PARKWAY	EAST HANOVER	NJ	07936-	(973) 884-8682	31-Jul-09
000429	MANAFORT BROTHERS, INC.	414 NEW BRITAIN AVENUE	PLAINVILLE	CT	06062-	(860) 229-4853	30-Apr-09
000245	MARCOR REMEDIATION, INC.	246 COCKEYSVILLE ROAD, SUITE 1	HUNT VALLEY	MD	21030-		31-Jul-08
000336	MCCONNELL ENTERPRISES	60 GARDEN PARK	BRAINTREE	MA	02184-	(781) 849-5959	31-May-09
000344	MGM ENVIRONMENTAL SVS.	248 COOK HILL ROAD	WALLINGFORD	CT	06492-	(203) 237-0549	31-Aug-09
000065	MICHAEL R. MADER CO., INC.	P.O. BOX 332	WATERFORD	CT	06385-0332	(860) 442-6770	30-Nov-08
000292	MICROTECH CONTRACTINGCORPORATION	38 KEAN STREET	WEST BABYLON	NY	11704-	(516) 243-5559	31-Jan-09
000209	MILCON CONSTRUCTION CORP.D/B/A	142 DALE ST.	WEST BABYLON	NY	11704-	(516) 867-6016	30-Jun-09
000486	MILL CITY ENVIRONMENTAL CORPORATION	116 JOHN STREET	LOWELL	MA	01852-	(978) 654-6741	31-Aug-08
000476	MK LIONS, LLC	C/O MITKO GEORGUEV 69 BUENA VISTA DR	RINGWOOD	NJ	07456-	(646) 671-2719	31-Mar-09
000530	MORRIS ROOFING SOLUTIONS, INC.	163 LIBERTY STREET	CENTRAL FALLS	RI	02863-	(401) 722-2229	31-Jul-08
000545	MOTA BROTHERS ASBESTOS LLC	10 LINCOLN STREET, APT. C-9	HARTFORD	CT	06106-	(860) 726-3153	31-Mar-09
000474	MOUNT CARMEL CONSTR., LLC	339 WASHINGTON AVENUE	NORTH HAVEN	CT	06473-	(203) 687-2028	31-Mar-09
000461	MTM METRO CORPORATION	30 LACKAWANNA AVENUE	TOTOWA	NJ	07512-	(973) 890-5030	30-Apr-09
000098	MURDOCK ASBESTOS AND DELEADING, INC.	230 EAST MAIN STREET	BRANFORD	CT	06405-	(203) 483-8000	31-Jan-09
000542	NEALCO ENVIRONMENTAL SERVICES, INC.	5 CASPIAN WAY	DORCHESTER	MA	02125-	(617) 740-8803	31-Jan-09
000352	NETRIX, INC.	95 BERKSHIRE AVENUE	PATERSON	NJ	07502-	(973) 925-9222	31-Jan-09
000143	NEW BRITAIN ROOFING CO.,INC.	135 DAY STREET	NEWINGTON	CT	06111-	(860) 665-7656	31-May-09
000039	NEW ENG. MASONRY ROOF CO.	146 SHERIDAN DRIVE	NAUGATUCK	CT	06770-9998	(203) 729-2266	30-Sep-08
000472	NEW ENGLAND SERVICES, LLC	1275 CROMWELL AVENUE	ROCKY HILL	CT	06067-	(860) 529-1631	31-Mar-09

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	CT	ZIP	A/C TELEPHONE	EXP. DATE
000243	NEW ENGLAND YANKEE CONSTR LLC	PO BOX 5395	MILFORD	CT	06460-	(860) 280-2274	30-Jun-09
000046	NIRAM, INC.	91 FULTON ST. UNIT 4	BOONTON	NJ	07005-1909	(973) 256-2992	30-Sep-08
000455	NORTHWEST ENVIRONMENT SOL	74 MYGATT ROAD	NEW PRESTON	CT	06777-	(860) 355-8727	31-Dec-08
000490	NOVA DEVELOPMENT GROUP, INC.	189 TOWNSENT STREET	NEW BRUNSWICK	NJ	08901-	(732) 565-3655	31-Dec-08
000482	OCEAN STATE ENVIRONMENTAL	51 GREENHILL ROAD	JOHNSTON	RI	02919-	(401) 946-6131	30-Jun-09
000493	OLD WORLD BUILDERS & TRADERS, INC.	493 ROUTE 169	WOODSTOCK	CT	06281-	(203) 797-8045	31-Mar-09
000306	ONTARIO SPECIALTY CONTING	333 GANSON STREET	BUFFALO	NY	14203-	(716) 856-3333	30-Apr-09
000198	OP-TECH ENVIRONMENTAL SERVICES INC.	6392 DEERE ROAD	SYRACUSE	NY	13206-	(315) 463-1643	30-Apr-09
000304	OSCAR R. ARDON	26 STONE STREET	HARTFORD	CT	06106-	(860) 234-3709	30-Apr-09
000107	P & T ASBESTOS CONTRACTORS	136 EAST HUNTING RIDGE RD.	STAMFORD	CT	06903-	(203) 359-4632	31-Jan-09
000281	PAL ENVIRONMENTAL SAFETY CORPORATION	11-02 QUEENS PLAZA SOUTH	LONG ISLAND CITY	NY	11101-	(718) 349-0900	31-Jul-09
000277	PAR ENVIRONMENTAL CORPORATION	313 SPOOK ROCK ROAD UNIT A101	SUFFERN	NY	10901-	(914) 369-7500	30-Jun-09
000020	PDG, INC.	1386 BEULAH ROAD BUILDING 801	PITTSBURGH	PA	15235-	(412) 856-2200	30-Sep-08
000101	PERFORMANCE ABATEMENT SERVICES, INC.	16400 COLLEGE BLVD.	LENEXA	KS	66219-	(704) 529-8067	31-Jan-09
000036	PETCO INSULATION COMPANY, INC.	P.O. BOX 26127 88 FARWELL STREET	WEST HAVEN	CT	06516-	(203) 934-3926	30-Sep-08
000487	PEZO, INC	555 PREAKNESS AVENUE	TOTOWA	NJ	07512-	(973) 956-0881	30-Sep-08
000026	PIKE FALLS CORP. DBA AIG CORP.	802 ORANGE AVENUE	WEST HAVEN	CT	06516-	(203) 932-9639	30-Sep-09
000251	PINNACLE ENVIRONMENTAL CORPORATION	64-54 MAURICE AVE.	MASPETH	NY	11378-	(718) 397-9292	30-Sep-08
000519	PRIORITY ENTERPRISES, LLC	186A KELSEY STREET	NEWINGTON	CT	06111-	(860) 796-1671	31-May-09
000543	PROJECT DEVELOPMENT GROUP, INC.	1386 BELULAH ROAD BLDG. #801	PITTSBURGH	PA	15235-	(412) 243-3200	31-Jan-09
000037	QUALITY ROOFING SYSTEMS	P.O. BOX 30	WEST HAVEN	CT	06516-	(203) 484-2733	30-Sep-08
000001	QUINEBAUG CONSTRUCTION SERVICES, INC.	P.O. BOX 446	PUTNAM	CT	06260-	(860) 928-1414	31-Aug-09
000038	R.L. MCLEAN ENVIRONMENTAL, INC.	P.O. BOX 459	WALLINGFORD	CT	06492-	(203) 269-5789	30-Sep-08
000018	RAMCO ENVIRONMENTAL, INC.	253 LOCUST STREET	HARTFORD	CT	06114-	(860) 278-6196	31-Aug-09
000534	RG ABATEMENT AND RENOVATION SERVICES	905 BURNSIDE AVENUE, APT. C-7	EAST HARTFORD	CT	06108-	(203) 887-3552	31-Oct-08
000416	RICCIO & SON CONTRACTORS, INC.	205 WALLACE STREET	NEW HAVEN	CT	06513-	(203) 776-7583	31-Jan-09
000483	RICI CORP.	41 LIBERTY ST	PASSAIC	NJ	07055-	(718) 706-7404	31-Jul-09
000512	ROYAL ENVIRONMENTAL	720 LEXINGTON AVE	ROCHESTER	NY	14613-	(585) 254-1840	31-Dec-08
000553	S&R CORPORATION	706 BROADWAY STREET	LOWELL	MA	01854-	(978) 441-2000	31-Jul-09
000080	SAFE ENVIRONMENT OF AMERICA, INC.	100 MOODY STREET SUITE 200	LUDLOW	MA	01056-	(413) 589-1882	31-Dec-08
000415	SEASONS INDUSTRIAL CONTRACTING	266 GREEN VALLEY ROAD	STATEN ISLAND	NY	10312-	(201) 804-8787	31-Jan-09
000104	SENCAM, INC.	145 MARSTON STREET	LAWRENCE	MA	(508)	683-7767	31-Jan-09
000508	SERVPRO OF NEW HAVEN/WATERBURY/NAUGATU	487 POWDER HILL ROAD	DURHAM	CT	06422-	(860) 386-0449	30-Nov-08
000311	SHABAZZ SERVICES ENTERPRISE	P. O. BOX 4579 DBA/ SSE ENVIRONMENTAL	HARTFORD	CT	06147-	(860) 983-6459	31-Jul-08

LICENSE #	CONTRACTOR NAME	ADDRESS	TOWN	NJ	ZIP	A/C TELEPHONE	EXP. DATE
000510	SIGNING STAR, LLC	5 HANSON PLACE	WAYNE	NJ	07470-	(973) 706-5523	31-Dec-08
000264	SITECON CORPORATION	1430 CRANSTON ST SUITE A	CRANSTON	RI	02920-	(401) 944-2335	28-Feb-09
000546	SKY CONTRACTING, LLC	24 DAY STREET, SUITE O-12	CLIFTON	NJ	07011-	(973) 928-5040	30-Apr-09
000354	SLAVCO CONSTRUCTION, INC.	164 GETTY AVENUE	CLIFTON	NJ	07011-	(973) 478-4848	28-Feb-09
000035	SMAC CORPORATION	27 EAST 33RD STREET	PATERSON	NJ	07514-	(201) 764-0648	30-Sep-08
000535	SMS ENTERPRISES, INC	5 RIDGE ROAD	LAWRENCE	MA	01841-	(978) 580-0954	31-Oct-08
000536	SOUTHERN CT GAS CO	60 MARSH HILL RD	ORANGE	CT	06477-	(203) 382-8111	30-Nov-08
000250	STANDARD ABATEMENTSERVICES INC	30 NUTMEG DR.	TRUMBULL	CT	06611-	(203) 380-8300	31-Aug-09
000525	STATEWIDE RESTORATION CO., LLC	57 COLEMAN ROAD	WEST HAVEN	CT	06516-	(203) 932-5201	31-Jul-08
000318	STOBI CONTRACTING, INC.	45 GRANT STREET	ELMWOOD PARK	NJ	07407-	(201) 475-0359	31-Aug-08
000549	SUBURBAN MIDDLESEX INSULATION, INC.	823 PLEASANT STREET	NORWOOD	MA	02062-	(781) 769-9310	31-May-09
000090	SUPERIOR ABATEMENT, INC.	22 COMMERCE ROAD UNIT D	FAIRFIELD	NJ	07004-	(201) 440-1188	31-Dec-08
000182	SUPERIOR INDUSTRIES LLC	342 CARTER LANE	SOUTHINGTON	CT	06489-		30-Nov-08
000522	T.L.S. ENVIRONMENTAL LLC	730 KING ST.	STRAITFORD	CT	06614-	(203) 375-8901	30-Jun-08
000207	TALEVI ENTERPRISES, INC.	PO BOX 461	BERLIN	CT	06037-	(860) 828-4331	30-Jun-09
000514	TANTARA CORPORATION	54 MASON ST.	WORCESTER	MA	01610-	(508) 752-5599	31-Jan-09
000146	THE AULSON COMPANY, INC.	49 DANTON DRIVE	METHUEN	MA	01844-	(978) 774-8887	31-May-09
000413	THE MACK GROUP, LLC	1500 KINGS HWY N SUITE 209	CERRY HILL	NJ	08034-	(973) 759-5000	30-Nov-08
000316	TITAN ROOFING, INC.	70 ORANGE STREET	CHICOPEE	MA	01013-	(413) 536-1624	30-Sep-08
000521	TLC SERVICES, LLC	P.O BOX 5107	BRIDGEPORT	CT	06610-	(203) 908-8478	31-May-09
000385	TMC SERVICES, INC.	ONE WILLIAM WAY	BELLINGHAM	MA	02019-	(508) 966-3737	31-Jan-09
000460	TOP-NOTCH ABATEMENT	P.O. BOX 115	THORNDIKE	MA	01079-	(413) 283-9252	30-Apr-09
000185	TRADE-WINDS ENVIRONMENTALRESTORATION	895 WAVERLY AVE	HOLTSVILLE	NY	11742-	(516) 755-4000	30-Nov-08
000399	TWO BROTHERS CONTRACTING,	250 RUTHERFORD BOULEVARD	CLIFTON	NJ	07014-	(973) 956-8700	31-Aug-09
000345	ULTIMATE ABATEMENT, INC.	P. O. BOX 2483	SPRINGFIELD	MA	01101-2483	(413) 246-0472	31-Aug-08
000492	UNITED ENVIRONMENTAL SAFE	1020 JERICHO TURNPIKE SUITE 213	SMITHTOWN	NY	11787-	(516) 827-5000	31-Mar-09
000504	WASTE RECYCLING SOLUTIONS	445 SILLS ROAD, SUITE G	YAPHANK	NY	11980-	(631) 924-8111	31-Oct-08
000409	WESTSIDE ASBESTOS LLC.	2074 PARK STREET, UNIT L	HARTFORD	CT	06106-	(860) 233-6291	31-Oct-08
000179	WHITE INSULATION	199 EAST MAIN STREET	BRISTOL	CT	06010-	(860) 583-3877	30-Nov-08
000237	WIESE CONSTRUCTION & ENVIRONMENTAL SVC. I	282 FRANKLIN STEEET	NORWICH	CT	06360-	(860) 886-1663	30-Jun-09
000444	WILL ENTERPRISES, LLC.	20 BENSON ROAD	BETHEL	CT	06801-		31-Aug-08
000544	WING, INC. SPECIALTY TRADES	444 WASHINGTON STREET SUITE 204	WOBBURN	MA	01801-	(781) 938-9464	28-Feb-09
000034	YANKEE FIBER CONTROL, INC	2 DEXTER ROAD	EAST PROVIDENCE	RI	02914-	(401) 435-4390	30-Sep-08

Appendix H. Connecticut Licensed Lead Abatement and Consultant Companies and Individuals

- **Connecticut Department of Public Health – Lead Abatement Program:**

http://www.ct.gov/dph/lib/dph/environmental_health/lead/pdf/lp_liclead.pdf

State of Connecticut Department of Public Health
Licensed Lead Abatement and Consultant Companies and Individuals

July 2, 2008

Profession	Name	Addr1	Addr2	Town	State	Zip	Phone
Lead Abatement Contractor	A-1 ASBESTOS ABATEMENT INC	P.O. BOX 4386		WATERBURY	CT	06705-	203 7558999
	A.A.I.S. CORP.	16 HAMILTON STREET		WEST HAVEN	CT	06516-	203 9322992
	ABATEMENT INDUSTRIES GROUP, INC.	802 Orange Avenue		WEST HAVEN	CT	06516-	203 9329639
	ABATEMENT UNLIMITED, INC.	666 Third Avenue	Arcade Level, Suite ARH	New York	NY	10017	
	ABIDE, INC.	P.O. BOX 886		EAST LONGMEADOW	MA	01028	
	ABIYARO'S HOME IMPROVMENT	308 Farmington Avenue		New Britain	CT	06053	860 5842146
	ACCURATE INSULATION, LLC.	33A STAFFORD AVENUE	P.O. Box 376	BRISTOL	CT	06010-	
	ACCUTECH INSULATION & CONTRACTING, INC.	100 State Street		Ludlow	MA	01056	
	ALL AMERICAN PAINTING, INC	11 East Broad Street		Richmond	VA	23219	
	ALLEN'S ASBESTOS, LLC.	31 Camp Street	P.O.Box 924	Meriden	CT	06450	
	ALPHA ABATEMENT, LLC	162 Rangely Street		West Haven	CT	06516	
	AR RENOVATION - AXEL ROMAN	23 WEST MAIN ST		Ansonia	CT	06401	
	ARTHUR CONROY, LLC	1273 Slater Road		New Britain	CT	06053	
	ASBEST-O-TECH	15 Magnolia Drive		Madison	CT	06443	
	ASBESTOS CORP. OF AMERICA	741 SOUTH MERINDEN RD		Yonkers	NY	10703	203 2347373
	ASBESTOS MGMT. CO., LLC.	791 Nepperhan Avenue		New Hartford	CT	06057	
	BAKO CONSTRUCTION & RESTORATION, INC.	800 Litchfield Trnpke		Totowa	NJ	07512	
	BANGOR ABATEMENT, INC.	265 RT 46, Suite 3D	340 Main Road, South	Hampden	ME	04444	
	BAYSTATE CONTRACTING SERVICES, INC.	P.O. Box 248		Springfield	MA	01101	
	BELARDINO'S PAINTING SERVICE, INC.	352 Albany Street		Hamden	CT	06514	
	BESTECH INC. OF CONNECTICUT	41 Bismark Court		ELLINGTON	CT	06029-	860 8715979
	BETTER LIVING DEVEL. LLC	25 PINNEY STREET	PMB #81	Bloomfield	CT	06002	
	BOJAN DEVELOPMENTS, LLC	39 A WINTONBURY MALL		Belleville	NJ	07109	
	BRAD K. BAKER	120 Greylock Avenue		WINDSOR	CT	06095-	
	BRICO, LLC D/B/A ABATE. P	20 HAYDEN COURT		Bloomfield	CT	06002	
	CANNON SLINE INDUSTRIAL, INC	6C Northwood Road		Lester	PA	19113	
	CHARTER OAK BUILDERS	10 Industrial Highway, MS		Broad Brook	CT	06016	
	CRP, LLC	185 Windsorville Drive		PLAINVILLE	CT	06062-	
	D&S RESTORATION, INC.	414 NEW BRITAIN AVE.		PATERSON	NJ	07503-	201 3458685
	DANIEL GOODISON, INC.	20 CALIFORNIA AVE.		Glastonbury	CT	06033-0412	
	DEC-TAM CORPORATION	97 Nutmeg Lane		NO. READING	MA	01864	508 4702860
	DEGMOR, INC.	50 Concord St.		New York	NY	10013	
	DELROY A. CAMPBELL	511 Canal Street, 3rd Flr		Bridgeport	CT	06610	
	DYNAMIC ENGINEERING	256 Remington Street		HAMPTON	CT	06247	
	E. SOTO RENOVATIONS	703 Brooklyn Trpk.		Rocky Hill	CT	06067	
	EAST COAST CONTRACTING	108 Copper Beech Drive		Norwich	CT	06360	
	EAST COAST HAZ MAT REMOVAL, INC.	13 Everett St.		PATERSON	NJ	07504-	973 7778802
	EMLO CORPORATION	494 EAST 41ST STREET		PATERSON	NJ	07501	
	ENVIROGUARD, LLC	50 BARNES STREET		Bridgeport	CT	06606	
	ENVIRONMENTAL ENGINEERING SERVICES, INC.	362 B River Street		Trumbull	CT	06611	
	ENVIRONMENTAL GROUP INC.	19 Captains Walk		Farmington	CT	06032	860 6762908
	ENVIRONMENTAL RESTORATIONS, INC.	12 EAST VIEW DRIVE		HAMSTEAD	NH	03841-	603 3296101
	EXCAVATION TECHNOLOGIES, INC.	10 HAZEL DRIVE		CHESTER	CT	06410	
	EXCEL INSULATION CO., INC	135 COMMERCE COURT		Wayne	NJ	07470	
	FLEET ENVIRO. SVS., LLC	2282 Hamburg Turnpike		Randolph	MA	02368	
	G & S HOME IMPROVEMENT	75D York Avenue		Meriden	CT	06450	
	G.L. CAPASSO RESTORATION, INC.	111 Murray Street		New Haven	CT	06513	
	GEORGE M. BOLLING	15 Oxford Street		Bridgeport	CT	06606	
	GREATER BRIDGEPORT COMMUNITY ENTERPRISES,	1300 Reservoir Ave.		Bridgeport	CT	06604	
		1070 Park Avenue		Bridgeport	CT	06604	

**State of Connecticut Department of Public Health
Licensed Lead Abatement and Consultant Companies and Individuals**

July 2, 2008

Profession	Name	Addr1	Addr2	Town	State	Zip	Phone
Lead Abatement Contractor	INC.						
	GRINWELL SERVICES LLC	15 PENSKY ROAD		EASTON	CT	06612-	203 3254168
	HANNASMITH CONTRACTING COMPANY	51 HARVEY RD	UNIT J	LONDONDERRY	NH	03053	
	HAZ-PROS, INC.	125A BROOK STREET		WEST HARTFORD	CT	06110-	860 2322225
	INCO GROUP, INC			WEST HAVEN	CT	06516-8072	203 9378518
	J. R. CONTRACTING & ENVIRONMENTAL CONSULT	1141 ROUTE 23		WAYNE	NJ	07470-	973 6289500
	JEMCO ENVIRONMENTAL, LLC.	P.O. Box 120575		East Haven	CT	06512	203 7722420
	JOSEPH COHN & SON	50 Devine Street		New Haven	CT	06473	
	KLEAN ABATEMENT SERVICES	74 Wood Drive		East Hartford	CT	06108	
	KRONENBERGER & SONSRESTORATION, INC.	175 INDUSTRIAL PARK RD		MIDDLETOWN	CT	06457	860 3474600
	LVI ENVIRONMENTAL SERVICES INC	462 Getty Avenue		Clifton	NJ	07011	201 4893200
	LVI ENVIRONMENTAL SERVICES, INC	69 Eastern Steel road		Milford	CT	06460	617 3968800
	LVI/MAZZOCCHI WRECKING	1201 Childers Rd		Orange	TX	77630	
	MACKENZIE PAINTING COMPANY	60 MEAD STREET		STRAFORD	CT	06615-	203 3809000
	MANAFORT BROTHERS, INC.	414 NEW BRITAIN AVE	ATTN: MICHELLE BARROWS	PLAINVILLE	CT	06062-	860 2294853
	MANNING CONSTRUCTION	23 BUTTERNUT DRIVE		EAST HARTFORD	CT	06118-	
	MARCOR REMEDIATION INC.	246 Cockeysville Road, St		Hunt Valley	MD	21030	410 7850001
	MGM ENVIRONMENTAL SOLUTIONS, LLC	248 Cook Hill Road		Wallingford	CT	06492	860 4423610
	MICHAEL R MADER CO., INC.	P.O. BOX 332		WATERFORD	CT	06473	
	MOUNT CARMEL CONST. LLC	339 Washington Avenue		North Haven	CT	06405-	203 4838000
	MURDOCK ASBESTOS & DELEADING INC	P.O. BOX 370		BRANFORD	CT	06608	
	MURICE E. EBANKS	1028 Pembroke Street		Bridgeport	CT	07502	
	NETRIX, INC.	95 Berkshire Avenue		Paterson	NJ	07608	
	NETWORK REALTY GROUP, INC	41 Martin Street		Stamford	CT	06902	
	NEW ENG. MASONRY ROOF CO.	146 SHERIDAN DRIVE		NAUGATUCK	CT	06770-	203 7292266
	NEW ENGLAND SERVICES, LLC	1275 Cromwell Avenue		Rocky Hill	CT	06067	
	NIRAM, INC	91 FULTON ST.	UNIT #4	BOONTON	NJ	07005	201 2562992
	NOVA DEVELOPMENT GROUP, I	189 Townsend Street		New Brunswick	NJ	08901	
	OSCAR'S ABATEMENT	26 Stone Street		Hartford	CT	06106	
	PETCO INSULATION CO. INC	88 Farwell Street	P.O. Box 26127	West Haven	CT	06516-0961	
	PINNACLE ENVIRONMENTAL CO	64-54 MAURICE AVENUE		MASPETH	NY	11378-	718 3979292
	R.D. INDUSTRIAL PAINTING CO., INC.	120-128 W. 5th Street		Plainfield	NJ	07061	
	RAMCO ENVIRONMENTAL INC.	253 LOCUST STREET		HARTFORD	CT	06116-	860 2786169
	RER ASSOCIATES, LLC	75 LUSTIG ROAD		WILLINGTON	CT	06279-	860 4288628
	REST-TECH CORPORATION	16 Hamilton Street		West Haven	CT	06516	203 2840803
	ROGERIO NASCIMENTO	17 Baldwin Street		Watertown	CT	06795	
	SAN JUAN ENVIRONMENTAL & CONSTRUCTION SVS., LLC	177 Buckingham Street, Af		Hartford	CT	06106	
	SMS ENTERPRISES, INC.	164 Getty Avenue		Clifton	NJ	07011	
	SSM BUILDERS, LLC	5 Ridge Road		Lawrence	MA	01841	
	STAMFORD WRECKING COMPANY	310 Plattsville Road		Trumbull	CT	06611	
	SUPERIOR ABATEMENT INC.	30 NUTMEG DRIVE		TRUMBULL	CT	06611-	203 3808300
	SUPERIOR INDUSTRIES LLC	22 COMMERCE RD.		FAIRFIELD	NJ	07004	201 8081616
	THOMAS ZOITAS	342 CARRIER LANE	UNIT-D	SOUTHINGTON	CT	06489	203 8795531
	TMC SERVICES, INC.	38-41-10 STR.		LONG ISLAND CITY	NY	11101-	718 3897676
	ULTIMATE ABATEMENT, INC.	One William Way		Bellingham	MA	02019	
	USACONTRACTORS, INC.	P.O. Box 2483		Springfield	MA	01101	
	VALENTI'S PAINTING	110 Airport Road		Hartford	CT	06114	
	VINCENZO BARECCHIA	433 Burnside Avenue		East Hartford	CT	06108	
		53 Ridgewood Terr		North Haven	CT	06473	

State of Connecticut Department of Public Health
Licensed Lead Abatement and Consultant Companies and Individuals

July 2, 2008

Profession	Name	Addr1	Addr2	Town	State	Zip	Phone
Lead Abatement Contractor	WHITE INSULATION INC	199 EAST MAIN STREET		BRISTOL	CT	06010-	860 5833877
	WILL ENTERPRISES LLC.	20 BENSON ROAD		BETHEL	CT	06801-	
	WILLARD E. WALKER	12 Fox Run Drive		Stafford Springs	CT	06076	
	WR CONTRACTING& ASSOCIATE LLC	PO BOX 913		HARTFORD	CT	06143-	860 2602815
	YANKEE FIBER CONTROL, INC	2 DEXTER ROAD		EAST PROVIDENCE	RI	02914-	401 4354390

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State of Connecticut Department of Public Health
 Licensed Lead Abatement and Consultant Companies and Individuals

July 2, 2008

Profession	Name	Addr1	Addr2	Town	State	Zip	Phone
Lead Abatement/Consultant	A.C.E.S., INC.	50 WALTOWN ST.	APT B	Middletown	CT	06457	860 8283400
	ADRIATIC PAINTING	205 Wallace St.		New Haven	CT	06511	203 7767583
	ADVANCED ENVIRONMENTAL GROUP, LLC	2260 TROY ROAD		SCHENECTADY	NY	12309-	518 7669424
	ANDREW R. WOODSTOCK	P.O. Box 1052		Waterbury	CT	06721	
	BOSTON LEAD COMPANY, LLC	256 Lester Road		Griswold	CT	06351	
	CONNECTICUT LEAD PAINT SOLUTIONS	36 MAIN STREET		ANSONIA	CT	06401-	203 7368888
	CREATIVE CONSTRUCTION OF N.E.	62 WASHINGTON ST.	2ND FL.	Middletown	CT	06457	860 7670703
	CRONUS CONSTRUCTION & CABINETS, LLC	1245 HEBRON AVENUE		GLASTONBURY	CT	06033-	
	CT ENVIRONMENTAL & DEMO,	1122 Mill Street		East Berlin	CT	06023	
	DISTINCTIVE LANDMARKS DEVELOPMENT, LLC	104 Walnut Street		East Hartford	CT	06108	
	ENVIRONMENTAL CONSULTING & CONTRACTING ENGLAND, INC	56 Springdale Street		Bridgeport	CT	06606	
	FUNK CONSTRUCTION, LLC	465 Woodstock Avenue		Stratford	CT	06614	
	J&B HOME IMPROVEMENT, LLC	P.O. BOX 2654		Waterbury	CT	06723-2654	203 7545959
	JD ENVIRONMENTAL, LLC	48 Union Street		Stamford	CT	06906	
	JF CONTRACTING CORPORATION	46 Wildermere Rd		Berlin	CT	06037	
	KEN WATTEWORTH, INC.	33 Durant Street		Stamford	CT	06902	
	L + V CONTRACTORS, LLC	6 Roosevelt Street		Hamden	CT	06514	
	L&M MAINTENANCE & MANAGEMENT, LLC	8747 20th Avenue		BROOKLYN	NY	11214	718 7482984
	LEAD TECH, INC.	141 AVENUE OF INDUSTRY		WATERBURY	CT	06705-	203 7579441
	MALOYD J. PERKINS, JR.	235 Deerfield Drive		Berlin	CT	06037	
	NEW ENGLAND YANKEE CONSTRUCTION LLC	59 Thompson Street		Stratford	CT	06615	
	SHABAZZ SERVICES ENTERPRISE, LLC DBA SSE ENV.	149 COLONIAL ROAD	P.O. BOX 1270	MANCHESTER	CT	06040-1270	860 6466555
	SQUARE V ELECTRIC AND GENERAL CO.	269 Laurel Hill Avenue		Norwich	CT	06360	
	STATOWIDE RESTORATION CO. LLC	P.O. BOX 5395		Milford	CT	06460	203 2692726
	T.I.S. ENVIRONMENTAL LLC	P.O. Box 4579		Hartford	CT	06147-4579	
	THE WINDOW PEOPLE	277 CHESTNUT HILL ROAD		COLCHESTER	CT	06415-2006	860 2253478
	TLC SERVICES, LLC - LEAD	57 Coleman Road		West Haven	CT	06516	
	TRUE BLUE ENVIRONMENTAL SERVICES, LLC	730 King St.		Stratford	CT	06614	
	WASTE RECYCLING SOLUTIONS, INC.	249 Shepard Hill Road		Plainfield	CT	06374	
	WILLOW, LLC	P.O. Box 5107		Bridgeport	CT	06610	
		5 Northfield Road		Wallingford	CT	06786	
		445 Sills Road, Suite G		Yaphank	NY	11980	
		4 Washington Ave		Sandy Hook	CT	06482	

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State of Connecticut Department of Public Health
Licensed Lead Abatement and Consultant Companies and Individuals

July 2, 2008

Profession	Name	Addr1	Addr2	Town	State	Zip	Phone
Lead Consultant	ALG ENVIRONMENTAL CONSULTING	20 Island Pond Road		Derry	NH	03038	
Contractor	AMC TECHNOLOGY, INC	P.O. BOX 423		STRATFORD	CT	06615	203 3785020
	AMERICAN ENVIRONMENTAL ASSESSMENTS LTD.	41 Valley Road	P.O. Box 207	Nahant	MA	01908	
	ANCHOR ENGINEERING SVS., INC.	75 Nutmeg Lane		Glastonbury	CT	06033	
	ATC GROUP SERVICES INC.	290 Roberts Street	Suite 204	East Hartford	CT	06108	
	BROOKS LABORATORIES	9 ISAAC STREET		NORWALK	CT	06850-	203 8539792
	CHEMSCOPE, INC.	15 MOULTHROP STREET		NORTH HAVEN	CT	06473-	203 8655605
	EAGLE ENVIRONMENTAL, INC	531 North Main Street		Bristol	CT	06010	860 5898257
	EARTH ENVIRONMENTAL CONSULTANTS, LLC	11 Norden Place, Unit 14		Norwalk	CT	06855	
	ENV. MAN. GEOLOGICAL CONSULTANTS, INC.	P.O. BOX 2087	HUMTINGTON STATION	SHELFON	CT	06484-	203 9249544
	ENVIROMED SERVICES INC.	470 MURDOCK AVE.	BOX 13	MERIDEN	CT	06450	
	ENVIRONMENTAL ASSESSMENTS & SOLUTIONS	41 BOULDER RIDGE RD.		SCARSDALE	NY	10583	
	ENVIROTECH OF FAIRFIELD COUNTY, INC.	115 Wooster Street		Bethel	CT	06801	203 7483111
	FITZPATRICK ENTERPRISES DEB BLACK BELT HOME INSP.	6 Flint Lock Trail		Newtown	CT	06470	
	FUSS & O'NEILL ENVIROSCIENCE, LLC	795 North Mountain Road		Newington	CT	06111	
	GILBERTCO, INC.	287 MAIN STREET		ANSONIA	CT	06401-	203 7360383
	HRP ASSOCIATES, INC.	197 Scott Swamp Rd.		Farmington	CT	06032	
	HYGENIX, INC	49 WOODSIDE STREET		STAMFORD	CT	06902-	203 3243635
	HYGIENETICS ENVIRONMENTAL SERVICES INC	254 BURNSIDE AVENUE		EAST HARTFORD	CT	06108-	860 2910769
	JAMES A. MONTEMAGNI	44 Chapel Street		Chicopee	MA	01020	
	LEW CORPORATION	1090 Bristol Road		Mountainside	NJ	07092	
	LFR, INC.	87 Church Street		East Hartford	CT	06108	
	LOUREIRO ENGINEERING ASSOCIATES, INC.	100 Northwest Drive		Plainville	CT	06062	
	MACTEC ENGINEERING AND CONSULTING, INC.	1105 LAKEWOOD PARK	SUITE 300	Alpharetta	GA	30004	
	MANICONE SANTO	2685 State Street		Hamden	CT	06517	
	MANTIS ENVIRONMENTAL CONSULTANT, LLC	435 Buckland Road		South Windsor	CT	06074	
	MIRCON, INC. D/B/A CONNOR ENV. SVS. AND ENG	1421 Clarkview Road, Ste.		Baltimore	MD	21209-2188	
	MYSTIC AIR QUALITY CONSULTANTS, INC.	1204 North Road		Groton	CT	06340	
	NORTHBRIDGE SERVICES, LLC	P.O. Box 309	178 Osborne Street	DANBURY	CT	06813	
	PAYNE ENVIRONMENTAL, LLC	85 Willow Street		New Haven	CT	06511	203 4212288
	RELIANCE ENVIRONMENTAL, LLC	155 Bull Hill Lane, Suite		West Haven	CT	06516	
	ROBBIN D. JONES	21 Deveau Street		Indian Orchard	MA	01151	
	RTK ENVIRONMENTAL GROUP	29 BANK STREET		STAMFORD	CT	06901-	203 9214144
	S & B ENVIRONMENTAL, LLC.	7 FAIRCHILD RD		Newtown	CT	06470	
	SAFE HOMES, INC.	P.O. BOX 1125		Waterbury	CT	06721-1125	203 5918100
	TRCENVIRONMENTAL CORP.	21 Griffin Road North		WINDSOR	CT	06095-	860 2986257
	WARREN & PANZER ENGINEERS	228 East 45th Street, 10t		New York	NY	10017	
	WESLEYAN UNIVERSITY	47 Wellington Road		Manchester	CT	06040	

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Appendix I. Licensed Waste Transporters

- **Connecticut Department of Environmental Protection – Licensed Waste Transporters**

http://www.ct.gov/dep/lib/dep/waste_management_and_disposal/transporters_and_facilities/biomedicalwastetransporters.pdf

Transporter Public List – (Table, July 2008)

<u>Permit No.</u>	<u>EPA ID</u>	<u>Transporter Name</u>	<u>Site Street Address</u>	<u>Town</u>	<u>Phone No.</u>	<u>PED</u>	<u>N</u>	<u>H</u>	<u>SP</u>	
State: AL										
1	CT-HW-678	ALD067138891	ROBBIE D. WOOD, INC.	1051 OLD WARRIOR RIVER RD.	DOLOMITE	(205)744-8440	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-363	ALD095704011	SUTTLES TRUCK LEASING, INC.	2460 HIGHWAY 43 SOUTH	DEMOPOLIS	(334)289-0670	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: CT										
1	CT-HW-692	CTR000003921	ABSOLUTE TANK REMOVAL, L.L.C.	81 MUNSON STREET	MILFORD	(203)882-9391	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	CT-HW-798	CTR000506162	ALPINE ENVIRONMENTALSERVICES LLC	425 SOUTH CHERRY STREET	WALLINGFORD	(203)269-9522	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	CT-HW-792	CTR000505925	BRICO LLC	6C NORTHWOOD RD	BLOOMFIELD	(860)242-7068	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	CT-HW-770	CTR000506519	CONNECTICUT OIL RECYCLING SERVICES LLC	27 MILL STREET	MIDDLETOWN	(860)347-7979	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-695	CTR000004507	CONNECTICUT TANK REMOVAL INC.	118 BURR COURT	BRIDGEPORT	(203)384-6020	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	CT-HW-719	CTD983902370	D. W. TRANSPORT AND LEASING, INC.	33 PEQUOT ROAD	UNCASVILLE	(860)848-1692	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	CT-HW-614	CTR000506428	EARTH TECHNOLOGY II, LLC	2199 STATE STREET	HAMDEN	(203)269-2202	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	CT-HW-703	CTR000500819	EGC ENVIRONMENTAL SERVICES, INC.	5 CAPITAL DRIVE	WALLINGFORD	(203)483-6392	6/30/2011	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	CT-HW-666	CTR000003939	ENVIRONMENTAL MAINTENANCE SERVICES, INC.	10 GRAMMAR AVENUE	PROSPECT	(203)758-5550	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	CT-HW-218	CTD018811802	ENVIRONMENTAL SERVICES, INC.	90 BROOKFIELD STREET	SOUTH WINDSOR	(860)528-9500	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	CT-HW-495	CTD089620405	ENVIROSHIELD, INC.	250 MOFFITT STREET	STRATFORD	(203)380-5644	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	CT-HW-779	CTR000505651	ENVIROTECH OF FAIRFIELD COUNTY INC	115 WOOSTER ST	BETHEL	(203)748-3111	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	CT-HW-599	CTR000501924	FEDERAL OIL SERVICE, INC.	58 GRANITE HILL ROAD	KILLINGWORTH	(860)663-5688	6/30/2011	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	CT-HW-783	N/A	H I STONE & SON INC	313 MAIN STREET NORTH	SOUTHBURY	(203)264-8656	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	CT-HW-645	CTR000506535	HEALTHCARE WASTE SOLUTIONS INC	117 MURPHY RD	HARTFORD	(718)842-9655	6/30/2009	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	CT-HW-684	CTR000006049	HERBERT RECOVERY SYSTEMS, INC.	27 DAVENPORT STREET	STAMFORD	(203)938-7066	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	CT-HW-820	N/A	JOHN J DOERRER INC	117 HORSE HILL ROAD	WESTBROOK	(860)669-8752	6/30/2011	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	CT-HW-690	CTR000500389	KROPP ENVIRONMENTAL CONTRACTORS, INC.	32 EXETER ROAD	LEBANON	(860)642-9952	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19	CT-HW-516	CTD983875493	MANSFIELD CONSTRUCTION, INC.	291 EAGLE STREET	BRIDGEPORT	(203)268-4876	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	CT-HW-528	CTR000005058	MCVAC ENVIRONMENTAL SERVICES INC.	481 GRAND AVENUE	NEW HAVEN	(203)498-1427	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21	CT-HW-817	N/A	MONOFLO SEPTIC COMPANY INC	261 SPENCER PLAINS ROAD	WESTBROOK	(860)227-0739	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>Permit No.</u>	<u>EPA ID</u>	<u>Transporter Name</u>	<u>Site Street Address</u>	<u>Town</u>	<u>Phone No.</u>	<u>PED</u>	<u>N</u>	<u>H</u>	<u>SP</u>	
State: CT										
22	CT-HW-822	NYR000114314	NEW ENGLAND TANK SERVICES	458 DANBURY RD UNIT A-16	NEW MILFORD	(860)354-0500	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23	CT-HW-669	CT5000001495	NORTHEAST LAMP RECYCLING, INC.	250 MAIN STREET	EAST WINDSOR	(860)292-1992	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24	CT-HW-812	CTR000505958	R E D TECHNOLOGIES LLC	173 PICKERING STREET	PORTLAND	(860)218-2428	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25	CT-HW-755	N/A	SHORELINE SANITATION INC.	HATCHETT HILL ROAD	OLD LYME	(860)434-0052	6/30/2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	CT-HW-776	N/A	SKIPS SEPTIK TANK SERVICE INC	27 MUDDY BROOK RD	ELLINGTON	(860)875-2332	6/30/2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	CT-HW-616	CTD983872698	STERICYCLE, INC.	80 INDUSTRIAL PARK ROAD	MIDDLETOWN	(860)632-0294	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28	CT-HW-751	N/A	SUBURBAN SANITATION SERVICE, INC.	18 COLONIAL ROAD	CANTON	(860)673-3078	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	CT-HW-691	CTR000004671	TECHNICAL ENVIRONMENTAL CONSTRUCTION, INC.	325 HATHAWAY DRIVE SUITE A	STRATFORD	(203)378-1066	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30	CT-HW-26	CTD016424210	TRI-S ENVIRONMENTAL SERVICES, INC.	25 PINNEY STREET	ELLINGTON	(860)875-2110	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
31	CT-HW-794	CTR000505933	TRUE BLUE ENVIRONMENTAL SERVICES LLC	5 NORTHFIELD STREET	WALLINGFORD	(203)269-3355	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
32	CT-HW-527	CT000001966	TYREE ORGANIZATION, LTD.	125 COMMERCE DRIVE	BROOKFIELD	(631)249-3150	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33	CT-HW-231	CTD021816889	UNITED OIL RECOVERY, INC.	136 GRACEY AVENUE	MERIDEN	(203)238-6745	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
34	CT-HW-676	CTR000004903	VINCENT CAHILL AND SONS EXCAVATING, INC.	270 MAIN STREET	MIDDLEFIELD	(860)349-8551	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
35	CT-HW-787	CTR000503359	WE RECYCLE INC	500 SOUTH BROAD STREET	MERIDEN	(203)630-0344	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: FL										
1	CT-HW-762	FLR000057414	QUALITY CARRIERS, INC.	4041 PARK OAKS DRIVE	TAMPA	(800)282-2031	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: IL										
1	CT-HW-753	ILR000130062	HERITAGE-CRYSTAL CLEAN, LLC	2175 POINT BOULEVARD SUITE 375	ELGIN	(847)783-5932	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-440	ILD981957236	SET ENVIRONMENTAL, INC.	450 SUMAC ROAD	WHEELING	(847)537-9221	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: IN										
1	CT-HW-618	IND058484114	HERITAGE TRANSPORT, LLC	7901 WEST MORRIS STREET	INDIANAPOLIS	(317)381-6844	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-757	IN0000640847	R. L. CARTER TRUCKING INC.	8451 SOUTH STATE RD 39	CLAYTON	(317)539-4364	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: MA										
1	CT-HW-112	MAD039322250	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.	42 LONGWATER DRIVE	NORWELL	(781)792-5000	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	CT-HW-33	NJ0000027193	CLEAN VENTURE INC.	138 LELAND STREET	FRAMINGHAM	(508)872-5000	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Permit No.</u>	<u>EPA ID</u>	<u>Transporter Name</u>	<u>Site Street Address</u>	<u>Town</u>	<u>Phone No.</u>	<u>PED</u>	<u>N</u>	<u>H</u>	<u>SP</u>	
State: MA										
3	CT-HW-809	MAD980915755	COMPLETE RECYCLING SOLUTIONS LLC	1075 AIRPORT RD	FALL RIVER	(508)402-7700	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	CT-HW-670	MAR000009654	CORPORATE ENVIRONMENTAL ADVISORS, INC.	127 HARTWELL STREET	WEST BOYLSTON	(508)835-8822	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-28	MAD082303777	CYN OIL CORPORATION	100 TOSCA DRIVE	STOUGHTON	(781)341-1777	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	CT-HW-30	MAD084814136	E Q NORTHEAST, INC.	185 INDUSTRIAL ROAD	WRENTHAM	(508)384-6151	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	CT-HW-699	MAR000008375	ECOLOGY RECOVERY SYSTEMS, INC.	330 TACOMA STREET, SUITE 4	WORCESTER	(508)852-8451	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	CT-HW-529	MAD980670004	ENPRO SERVICES, INC.	12 MULLIKEN WAY	NEWBURYPORT	(978)465-1595	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	CT-HW-744	MAC300001617	ENVIRO-SAFE CORPORATION	14B JAN SEBASTIAN DRIVE	SANDWICH	(508)888-5478	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	CT-HW-500	MAD089353023	FRANK CORP. ENVIRONMENTAL SERVICES	615 TARKILN HILL ROAD	NEW BEDFORD	(508)995-9997	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	CT-HW-747	MAR000503623	GLOBAL REMEDIATION SERVICES, INC.	1 WESTINGHOUSE PLAZA, SUITE 4001	BOSTON	(617)364-0012	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	CT-HW-806	MAC300006038	GOULET TRUCKING	20 INDUSTRIAL DRIVE WEST	DEERFIELD	(413)665-1323	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	CT-HW-29	MA5000001867	MAXYMILLIAN TECHNOLOGIES, INC.	1801 EAST STREET	PITTSFIELD	(413)499-3050	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	CT-HW-819	MAD985294529	MILTON-CAT	100 QUARRY DRIVE	MILFORD	(508)634-3400	6/30/2012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	CT-HW-503	FLD092718576	MORAN ENVIRONMENTAL RECOVERY, LLC	75D YORK AVENUE	RANDOLPH	(781)815-1100	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	CT-HW-624	MAD985307685	NATIONAL WASTE MANAGEMENT, INC.	362 PUTNAM HILL ROAD	SUTTON	(508)476-1900	6/30/2009	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	CT-HW-681	MAC300008059	NEW ENGLAND DISPOSAL TECHNOLOGIES, INC.	83 GILMORE DRIVE	SUTTON	(800)698-1865	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	CT-HW-114	MAD985294693	OIL RECOVERY CORPORATION	138 PALMER AVENUE	WEST SPRINGFIELD	(413)737-2949	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	CT-HW-748	MAR000502138	TMC SERVICES, INC.	ONE WILLIAM WAY	BELLINGHAM	(508)966-3737	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	CT-HW-575	MAD985286988	TRIUMVIRATE ENVIRONMENTAL, INC.	61 INNER BELT ROAD	SOMERVILLE	(617)628-8098	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21	CT-HW-657	NYD006801245	TYREE ORGANIZATION, LTD.	9 OTIS STREET	WESTBOROUGH	(631)249-3150	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22	CT-HW-521	MAD001764794	UNIVAR USA INC (WAS VOPAK USA INC. VAN WATERS &	COLONIAL ROAD	SALEM	(732)416-9830	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23	CT-HW-811	MAC300008067	WESTERN MASS ENVIRONMENTAL LLC	93 WAYSIDE AVE	WEST SPRINGFIELD	(413)788-2622	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: ME										
1	CT-HW-693	MER000500595	AMERITECH ENVIRONMENTAL SERVICES, INC.	393 HAROLD L DOW HIGHWAY	ELIOT	(207)438-9149	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: MI										
1	CT-HW-508	MID985568021	CHEMICAL ANALYTICS, INC.	29959 BEVERLY ROAD	ROMULUS	(734)326-9400	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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State: MO										
1	CT-HW-476	MOD095038998	BED ROCK INC. DBA TRI-STATE MOTOR TRANSIT CO.	8141 EAST 7TH STREET	JOPLIN	(417)621-2828	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-716	MOR000501973	R & R TRUCKING, INCORPORATED	302 THUNDER ROAD	DUENWEG	(417)623-6885	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: NH										
1	CT-HW-805	MAR000510214	B & D ASSOCIATES INC	1045 RTE 114	GRANTHAM	(603)863-1974	6/30/2009	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-734	NHD018902874	TRANSFORMER SERVICE, INC.	74 REGIONAL DRIVE	CONCORD	(603)224-4006	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: NJ										
1	CT-HW-658	NJD986588630	ALLSTATE O.R.C., INC.	473 HAMBURG TURNPIKE	WEST MILFORD	(973)696-3122	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-435	NJD003812047	ALLSTATE POWER VAC	928 EAST HAZELWOOD AVENUE	RAHWAY	(732)815-0220	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	CT-HW-430	NJD980772768	AUCHTER INDUSTRIAL VAC SERVICE, INC.	4801 SOUTH WOOD AVENUE	LINDEN	(908)925-1515	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	CT-HW-768	NJR000032391	CARE ENVIRONMENTAL CORP.	10 ORBEN DRIVE	LANDING	(973)398-5100	Pending 8/08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-307	NJD054126164	FREEHOLD CARTAGE, INC.	825 HIGHWAY 33	FREEHOLD	(732)462-1001	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	CT-HW-797	NJR000011528	H M H T T C RESPONSE INC	382 ROUTE 15 SOUTH	WHARTON	(973)770-6900	6/20/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	CT-HW-752	NJR000029967	J & D TRUCKING INC.	3526 NW BLVD	VINELAND	(856)691-5145	6/30/2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	CT-HW-477	NJD046555033	LACY'S EXPRESS INC.	26 EAST MILL STREET	PEDRICKTOWN	(856)299-2569	6/30/2009	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	CT-HW-801	NJR000023036	LIONETTI ASSOC DBA LORCO PETROLEUM SERVICES	450 S FRONT STREET	ELIZABETH	(908)820-8800	6/30/2012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	CT-HW-613	NJD986607380	MAUMEE EXPRESS, INC.	27 SUTTON RD	LEBANON	(267)590-0043	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	CT-HW-821	NJD000564906	NATIONAL WASTE CLEAN INC	304 PULASKI ST	SOUTH PLAINFIELD	(908)756-4114	6/30/2012	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	CT-HW-788	MIK625426333	PARTS CLEANING TECHNOLOGIES LLC	835 INDUSTRIAL HIGHWAY UNIT 1	CINNAMINSON	(248)799-7700	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	CT-HW-107	NJD071629976	S - J TRANSPORTATION CO	1176 US ROUTE 40	WOODSTOWN	(856)769-2741	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	CT-HW-663	NJD080631369	VEOLIA ES TECHNICAL SOLUTIONS LLC	1 EDEN LANE	FLANDERS	(973)691-7321	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
State: NM										
1	CT-HW-781	NMD002208627	RINCHEM COMPANY INC	6133 EDITH BOULEVARD NE	ALBUQUERQUE	(505)345-3655	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: NY										
1	CT-HW-501	NYD987023371	A B OIL SERVICE, LTD.	1599 OCEAN AVENUE	BOHEMIA	(631)567-6545	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-758	NYR000076513	APPROVED STORAGE & WASTE HAULING, INC.	110 EDISON AVENUE	MT VERNON	(914)664-4791	6/30/2011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	CT-HW-664	NY0000148163	ASBESTOS TRANSPORTATION COMPANY, INC., (A.T.C.)	#2 MORICHES MIDDLE ISLAND ROAD	SHIRLEY	(631)924-5050	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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4	CT-HW-283	NYR000045724	BUFFALO FUEL CORP.	4870 PACKARD ROAD	NIAGARA FALLS	(716)278-2000	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-163	NYD082785429	CHEMICAL POLLUTION CONTROL, LLC OF NY	120 SOUTH 4TH STREET	BAY SHORE	(631)586-0333	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	CT-HW-785	NYD012928347	CONKLIN SERVICES & CONSTRUCTION INC	94 STEWART AVENUE	NEWBURGH	(845)561-1512	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	CT-HW-724	NYD044825636	ENVIRO WASTE OIL RECOVERY LLC	279 ROUTE 6	MAHOPAC	(845)279-0263	6/30/2012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	CT-HW-728	NYR000115733	ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT,	532 STATE FAIR BLVD	SYRACUSE	(315)451-6666	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	CT-HW-732	NYR000121335	ENVIROSTAR CORPORATION	50 FIELDS LANE	BREWSTER	(845)279-9555	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	CT-HW-454	NYD982792814	FRANK'S VACUUM TRUCK SERVICE, INC.	4500 ROYAL AVENUE	NIAGARA FALLS	(716)284-2132	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	CT-HW-579	NYD010951986	FRED A. COOK, JR., INC.	3226 ALBANY POST ROAD	BUCHANAN	(914)739-3300	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	CT-HW-349	NYD980769947	HAZMAT ENVIRONMENTAL GROUP, INC.	60 COMMERCE DRIVE	BUFFALO	(716)827-7200	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	CT-HW-548	NYD981566565	J. B. WASTE OIL CO., INC.	18-18 41ST STREET	ASTORIA	(718)626-4161	6/30/2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	CT-HW-75	NYD986908085	MILLER ENVIRONMENTAL GROUP, INC.	538 EDWARDS AVENUE	CALVERTON	(631)369-4900	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	CT-HW-570	NYD064743263	MILRO ASSOCIATES, INC.	41 HANSE AVENUE	FREEPORT	(516)379-1500	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	CT-HW-763	NYR000083766	NORTHEAST ENVIRONMENTAL, INC.	225 VALLEY PLACE	MAMARONECK	(914)777-1930	6/30/2012	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	CT-HW-700	NYD986980753	OP-TECH ENVIRONMENTAL SERVICES, INC.	6392 DEERE ROAD	SYRACUSE	(315)463-1643	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	CT-HW-515	NYD986969947	PAGE E.T.C., INC.	2758 TROMBLEY ROAD	WEEDSPORT	(315)834-6681	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	CT-HW-634	NY0001031814	PRECISION INDUSTRIAL MAINTENANCE, INC.	1710 ERIE BOULEVARD	SCHENECTADY	(518)346-5800	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	CT-HW-251	NYD046765574	PRICE TRUCKING CORP.	67 BEACON STREET	BUFFALO	(716)822-1414	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21	CT-HW-673	NYR000038000	PRS 95 INC., d/b/a 95 INC., d/b/a PARTS SINKS	4 DiTHOMAS COURT	COPIAGUE	(631)842-9595	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22	CT-HW-171	NYD049178296	RADIAC RESEARCH CORP.	261 KENT AVENUE	BROOKLYN	(718)963-2233	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23	CT-HW-778	NYD980757462	SHELDON OIL SERVICES INC	1005 ROUTE 9	CASTLETON	(518)766-2864	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	CT-HW-621	NYD986899912	TCI OF NY LLC	39 FALLS INDUSTRIAL PARK RD.	HUDSON	(518)828-9997	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25	CT-HW-754	NYR000080549	TERRACE TRANSPORTATION LLC	3249 RICHMOND TERRACE	STATEN ISLAND	(718)981-4600	6/30/2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	CT-HW-47	NYD097644801	TONAWANDA TANK TRANSPORT SERVICE, INC.	1140 MILITARY ROAD	BUFFALO	(716)874-0400	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27	CT-HW-733	NYR000054551	WASH PLUS INC.; DBA AKBA WASTE OIL SERVICES	4 DITOMAS COURT	COPIAGUE	(516)747-0390	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	CT-HW-159	NYD000708271	WEST CENTRAL ENVIRONMENTAL CORP.	250 WATERVLIET SHAKER ROAD	WATERVLIET	(518)272-6891	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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State: OK										
1	CT-HW-777	OKD987096328	JANUARY TRANSPORT INC	2701 S PROSPECT	OKLAHOMA CITY	(405)670-2030	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-625	OKD981588791	TRIAD TRANSPORT, INC.	1630 DIESEL AVENUE	MCALESTER	(918)426-4751	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: PA										
1	CT-HW-161	PAD014146179	ELDREDGE, INC.	898 FERN HILL ROAD	WEST CHESTER	(610)436-4749	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-10	PAD010154045	ENVIRITE OF PENNSYLVANIA INC	730 VOGELSONG ROAD	YORK	(717)846-1900	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	CT-HW-743	PAR000501577	ENVIRONMENTAL WASTE MINIMIZATION, INC. (EWMI)	14 BRICK KILN COURT	NORTHAMPTON	(484)275-6900	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	CT-HW-411	PAD146714878	HORWITH TRUCKS, INC.	1449 NOR-BATH BOULEVARD	NORTHAMPTON	(610)261-2220	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-780	PAD980537666	RECYCLE OIL CO	1600 S 25TH ST	EASTON	(610)250-8747	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	CT-HW-431	PAD982661381	REPUBLIC ENVIRONMENTAL SYSTEMS (TG) LLC	21 CHURCH ROAD	HATFIELD	(215)997-2446	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	CT-HW-277	PAD987358587	ST. JOSEPH MOTOR LINES	ROUTE 879	CLEARFIELD	(814)765-9732	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	CT-HW-611	PAD987347515	U.S. BULK TRANSPORT, INC.	205 PENNBRIAR DRIVE	ERIE	(814)824-9949	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	CT-HW-731	PAR000524041	US ENVIRONMENTAL, INC.	409 BOOT ROAD	DOWNINGTOWN	(610)518-5800	6/30/2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	CT-HW-446	PAD980707442	WEAVERTOWN TRANSPORT LEASING, INC.	3866 MILLERS RUN ROAD	MCDONALD	(724)746-4850	6/30/2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State: RI										
1	CT-HW-665	RID980906986	21ST CENTURY ENVIRONMENTAL MGMT.LLC OF R.I.	275 ALLENS AVENUE	PROVIDENCE	(401)781-6340	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	CT-HW-391	RID982192627	ATC GROUP SERVICES INC DBA ATC LINCOLN ASSOC	333 WASHINGTON HIGHWAY	SMITHFIELD	(401)232-3353	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	CT-HW-807	RIR000506550	N & D TRANSPORTATION CO INC	100 INDUSTRIAL DRIVE	NORTH SMITHFIELD	(401)762-3337	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	CT-HW-711	RIR000015115	QUINLAN COMPANIES INC THE	125 ERNEST STREET	PROVIDENCE	(401)461-5353	6/30/2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	CT-HW-257	RIR000500025	WESTERN OIL, INC.	ONE DUCHESS WAY	LINCOLN	(401)727-8600	6/30/2009	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
State: TN										
1	CT-HW-739	TNR000001388	NORTHSTAR ENVIRONMENTAL GROUP, INC.	417 N. BLYTHE STREET	GALLATIN	(615)451-4867	6/30/2009	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State: TX										
1	CT-HW-323	TXR000050930	SAFETY-KLEEN SYSTEMS, INC. C/O J.J. KELLER & ASSOC	5400 LEGACY DRIVE, CLUSTER II, B3	PLANO	(800)558-5011	6/30/2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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