

# **Urban River Permits Review and Advocacy Recommendations for the Quinnipiac, Mill, and West Rivers**

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South Central Connecticut and**

**River Advocates of  
South Central Connecticut**

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Ian Christmann

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# Urban River Permits Review and Advocacy Recommendations for the Quinnipiac, Mill and West Rivers

## Executive Summary

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### 1 The Three Rivers of Greater New Haven

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The Quinnipiac, Mill and West Rivers are located in Greater New Haven in South Central Connecticut, one of the densely populated, urbanized regions of the state. The **three rivers** all empty into New Haven Harbor and Long Island Sound but **differ in character** as a result of how regulators designated their uses more than a century ago. Officials designated the Quinnipiac River as the waste receiving stream for the region, yet all three river are either partly or wholly located on the federal **impaired waters list** due to pollutants associated with urban landscapes. Several types of human impacts have reduced these rivers' natural ability to maintain water quality.

Both **water quality** and **quantity** are issues of concern for river advocates in South Central Connecticut. Poor water quality prevents contact recreation (swimming and wading). Low water interferes with swimming, paddling, fishing and fish life.

South Central CT is heavily urbanized, so that extensive **paved surfaces** have replaced forests, plants and soil, and reduced the natural filtration and storage of rain and snow. Much of the Quinnipiac, and downstream sections of the Mill and West River basins are heavily paved today. Stormwater washing off streets and lots is often contaminated.

Once a river basin is developed more than 12%, water quality degrades. In South Central Connecticut, the lower river basins are paved beyond 25%—a huge challenge for river advocates as they attempt to restore water quality.

### 2 The Pollutants: Regulated and Unregulated

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Several **pollutants** are responsible for the continued **impaired** status of the Quinnipiac, West and Mill Rivers, in particular, bacteria and excessive nutrients such as phosphorus and nitrogen. In some cases, the specific causes are unknown. Recent data as summarized in the Quinnipiac River Watershed Based Plan (2013) identifies the major contributor for each pollutant in the Quinnipiac River.

Excessive **phosphorus** causes nutrient enrichment. Enrichment generates algal blooms, noxious blue green algae, reduction in water clarity, depletion of oxygen and fish kills. Most phosphorus in the Quinnipiac—75%—arrives from municipal waste water treatment plants (POTW's). Some municipalities intentionally add phosphorus to public water systems to reduce pipe corrosion.

Like phosphorus, **nitrogen** is a plant nutrient which provokes excessive algae growth when present in abundance. Fully 74% of nitrogen reaches rivers from poor landscape practices. At present, Wallingford and North Haven POTW's are not meeting nitrogen reduction goals.

**Suspended solids** include silt and clay particles, plankton, algae, fine organic debris, and other particulate matter. Suspended solids can serve as carriers of toxics, which cling to suspended particles. This is particularly a concern where pesticides are being used on irrigated crops or when petroleum-derived chemicals fall onto roads and parking lots. Sources of total solids include industrial discharges, sewage, fertilizers, road runoff, and soil erosion. The majority of suspended solids reach rivers from poor landscape practices.

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**Bacteria** measured as fecal coliform reaches the rivers because of contaminated water running off the urban landscape. Illegal and undetected discharges of raw sewage, golf course ponds and parks with large populations of geese, dog waste, leaking septic tanks and improperly managed agriculture contribute bacteria which is a threat to public health. The areas zoned for single family residential land use are responsible for 75% of non-point source fecal coliform bacteria in the urbanized parts of Connecticut. Management of these sources and restoration of streamside vegetation has been shown to reduce high bacteria counts.

Other wastewater discharges, including **toxics**, may cause normal stream life to be absent. Some water quality experts have suggested that industrial discharge permits should be updated through the CT DEEP's **Triennial Review** process. Additional requirements could include restrictions on other toxic chemicals, **phthalates** and other endocrine disruptors and **pharmaceuticals**. Connecticut could also require municipal restrictions on **water-borne pesticides**.

## 3 Permit Categories and Permits

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The water quality and quantity permits of the Quinnipiac, Mill and West Rivers fall into **three broad categories:**

- 1) **Wastewater discharges** regulated by the federal and state Clean Water Acts;
- 2) **Water diversions** regulated by the state's water diversion law and modifications for streamflow law; and
- 3) **Land use permits** at the municipal level.

### 3.1 Wastewater discharges

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Wastewater discharges are regulated by the State and Federal Clean Water Acts. The goal is to reduce pollution to reach **fishable and swimmable** conditions and remove rivers and streams from the federal "**impaired waters**" list. The permits are called **NPDES**—the National Pollution Discharge Elimination System. Wastewater discharge permits include **industrial, municipal, general permits for wastewater**, and **non-point source permits**, including those for managing polluted **stormwater**. There are **approximately 1,212 state-issued waste water discharge permits for the three watersheds** of South Central Connecticut, of different permit types (Appendix 5).

#### 3.1.1 Industrial Discharges—Renewable NPDES permits

Over the last 100 years, industrial discharges to the Quinnipiac have declined from 71 businesses to only six in 2014. In 2014, there are six industrial discharges to the Quinnipiac, and no discharges to the Mill or West Rivers. Only three have chemical discharges, and only one is significant.

#### 3.1.2 Municipal Discharges

Municipal discharges include treated sewage, combined sewer overflows (CSO's), stormwater from town garages and runoff from storm drains.

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- 3.1.2.1 Publicly Owned Treatment Works (POTW, or wastewater treatment plants)**
- Municipalities collect, treat and discharge sewage and other wastewaters at five Publicly Owned Treatment Works (POTW's) and one industrially-owned treatment plant along the Quinnipiac. West Haven and New Haven operate POTW's which discharge treated effluent to New Haven Harbor. POTW discharges are the top source of phosphorus in waste-receiving streams such as the Quinnipiac River.
- 3.1.2.2 Combined Sewer Overflows (CSO's)**
- New Haven's old storm sewer design combines street runoff and sewage, taking both together to the treatment plant. During rain storms, the capacity of pipes is overwhelmed and untreated wastewater flows to rivers. CSO separation has begun in New Haven. CSO generated pollution reaches the Quinnipiac, Mill and West Rivers and Long Island Sound approximately 50 times per year. Some activists in New Haven are advocating green infrastructure to reduce CSO impacts.
- 3.1.3 General Wastewater Permits**
- General Permits (GP)** are group-type permits issued to authorize minor activities by multiple applicants in the same class. General Permits renewal is an opportunity to strengthen best practices for all permit holders in the same class.
- 3.1.4 Water Treatment GP**
- A general permit regulates discharge of total nitrogen from publicly owned treatment works (POTW's).
- 3.1.3.5 Domestic Sewage GP**
- This general permit applies to discharges of domestic sewage from a community sewerage system (such as those at condominiums) to a POTW.
- 3.1.3.6 Vehicle Maintenance Wastewater GP**
- Another general permit applies to wastewater generated by 1) floor washing and incidental dripping from vehicles and 2) washing of vehicles or steam cleaning of engines.
- 3.1.7 Non-Point Source Pollution: Stormwater Permits**
- 3.1.4.1 Reducing pollution from non-point sources**
- As an urbanized region, South Central Connecticut is heavily impacted by this pollution type. Pollution not from a pipe, or "non-point source" pollution, reaches South Central CT rivers and streams when rain or snow carries contaminants from urban and suburban landscapes to the nearest waterway.
- Non-point source pollution is responsible for 3 out of 4 pollution types that caused South Central CT's rivers to land on the federal "impaired waters" list.** Nearly 100% of bacteria, 99% of suspended solids, 74% of nitrogen and 25% of phosphorus in the Quinnipiac arrive from non-point pollution sources. Examples of these sources are septic systems, agricultural waste management systems, pet waste, lawn fertilizers and landfills.

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<p><b>3.1.4.2 Best Practices to Clean Stormwater include:</b></p> <ul style="list-style-type: none"> <li><b>1) Detect and repair illicit discharges</b></li> <li><b>2) Manage pet waste</b></li> <li><b>3) Restore vegetative buffers along streams and rivers</b></li> <li><b>4) Install green infrastructure</b></li> <li><b>5) Frequently clean streets and storm drains</b></li> </ul>	<p><b>3.1.4.2 General Stormwater: Commercial</b></p> <p>Commercial activities stormwater permits are unique to Connecticut. They require operators of large, paved sites (5 acres or more) such as malls, theatres and supermarkets to sweep parking lots and clean catch basins to keep stormwater clean. <b>Approximately 51 commercial permittees</b> are in South Central Connecticut watersheds.</p>
<p><b>3.1.4.3 Regulating Pollution From Runoff</b></p> <p>Due to regulatory challenges, CT DEEP is concentrating on establishing best practices to reduce pollution.</p>	<p><b>3.1.4.3 General Stormwater: Construction</b></p> <p>Construction permits apply to discharges of stormwater from dewatering sediment or from development disturbances of one or more acres of land. <b>Approximately 109 construction permittees</b> are in South Central Connecticut watersheds.</p>
<p><b>3.1.4.4 Stormwater General Permits</b></p> <p>CT DEEP regulates non-point sources of water pollution through <b>stormwater general permits</b>. These are applied to industry, commercial businesses, construction sites, and municipalities. All four of these categories of stormwater permits affect the rivers of South Central CT.</p>	<p><b>3.1.4.4 Municipal Separate Storm Sewer System (“MS4”) General Permit</b></p> <p>The Municipal Separate Storm Sewer System General Permit is more commonly known by the shorthand “MS4”. Most towns in the South Central Connecticut region objected to DEEP’s efforts to strengthen MS4 permits, which are designed to reduce polluted water from storm drains. Facing strong municipal opposition, permits due to expire on January 8, 2015 were instead continued to January 8, 2016. The <b>MS4 permit affects all 14 municipalities</b> in the three watersheds of South Central Connecticut with separate storm sewer systems, identified by the presence of storm drains in the street. If there is no resolution of this municipal stormwater permit dispute through engineering, cost sharing or negotiated timetable for</p>
<p><b>3.1.4.4.1 General Stormwater: Industrial</b></p> <p>The general <b>stormwater industrial permits</b> list includes 1,431 statewide of which about 1/3 (<b>approximately 477</b>) are in South Central CT. While many are industries, these GSI permits also cover municipalities’ public works garages and transfer stations.</p>	

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compliance, water quality in rivers and Long Island Sound will continue to be impaired.

#### 3.1.4.5 Cost-Effective Measures

The Center for Watershed Protection in Maryland found that **detecting and repairing illicit discharges, managing pet waste, and restoring vegetative buffers produced cleaner water at the most affordable cost.**

## 3.2 Water Diversion Permits

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### Diversion Permits and Registrations

In addition to pollution, rivers are also harmed by reduced water quantity. Urban river systems like the Quinnipiac, Mill and West Rivers are heavily tapped to satisfy competing demands for water. CT DEEP regulates the amount of water that can be removed through diversion permits. However, state law exempted water diversions that existed as of 1982. These pre-1982 diversions, mainly by water utilities, were granted non-expiring status as registered diversions. Today, these original registrations can only be modified to meet requirements of the state's Streamflow Law of 2005, which protects rivers and streams from going completely dry.

- **Consumptive water diversions** need a permit from CT DEEP and must be renewed
- **Registrations** are water removals that never expire, need no renewal, and don't come up for scrutiny unless for streamflow regulations

#### 3.2.1 Water Diversion Permits—Renewable

There are **20 water diversion permits** on the Quinnipiac River or its tributary streams as of February 2013. There is one diversion permit on Wintergreen Brook, which

joins the West River. The Quinnipiac River tributaries Ten Mile River, Misery Brook and Broad Brook have permanent registered withdrawals.

The permitted diversions total 32.284 million gallons per day drawn from the Quinnipiac basin. Consumptive diversions represent only part of the removal of river water. The bulk of water removal is already grandfathered in place as **registrations**.

#### 3.2.2 Registrations—Permanent

Under the category of permanent registrations, most of the water resource has already been given away in the rivers of South Central Connecticut. Eleven basins already have permanent registrations in the region. These include the Quinnipiac and its tributary streams, the Mill River, and West River and one of its tributaries. In the rivers of South Central Connecticut, **permanent registrations (182) vastly outnumber renewable diversion permits (21)**.

The water authorized to be removed from the Quinnipiac basin by permanent registered withdrawals at the rate of 116.7 million gallons per day is nearly four times greater than the water removed by renewable diversion permit. The largest registered withdrawals in actual use in the region are those of South Central CT Regional Water Authority (SCCRWA) and the Wallingford Water Department.

### Streamflow Law and Regulations

Under current law, the Streamflow classification process is the only way to modify permanent withdrawal registrations. The 2005 CT Streamflow law sets up a classification system for rivers and streams, giving more protection in low-flow months to certain rivers and streams that provide fish, wildlife and

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public recreation. CT DEEP is now considering the classification of rivers and streams of South Central CT with their initial draft to be released in summer 2015.

### **Stream Gages**

Stream gages are a key tool that advocates can use to measure water flows in streams. There are four United States Geological Service (USGS) gages located in South Central Connecticut and three groundwater observation wells in the watersheds covered by this report.

#### **3.2.4 Improving diversion policy**

Fully one half of the Quinnipiac's flow in late summer is treated discharge; more clean water would improve fish habitat and recreational paddling. Other states have dealt with this problem by creating watershed-specific allocations that provide for seasonally important environmental needs.

Water allocation planning to address competing needs is the responsibility of the State's Water Planning Council, which must complete their plan by 2018. Advocates should participate in both local stream classification and creation of the statewide plan.

## **3.3 Land Use Permits**

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Another way to reduce water pollution from landscape sources is through municipal action to grant local land use permits.

Municipalities of South Central Connecticut have the power to dramatically reduce polluted runoff if they stop illicit discharges, promote pet waste management and require land developers to protect and restore streamside vegetation to achieve quick and cost-effective results. They can also require developers and the

municipality to use Low Impact Development. Key municipalities (North Haven, Wallingford and Southington) control the largest percentage of land in the Quinnipiac River watershed; how these municipalities regulate land use will determine if water quality will improve or worsen.

### **3.3.1 Survey of Municipal Practices in South Central CT**

We interviewed the municipalities of South Central CT for this report in 2013 and 2014, using a questionnaire adapted from a statewide 2013 CT DEEP survey.

We found towns differ in their use of strategies to reduce water pollution and increase filtration through best practices. Some municipalities are aggressive in requiring developers to take steps to protect water quality and quantity. Others are limited by lack of staff or staff and board training. Some towns are skeptical of certain technical recommendations that are accepted by other communities.

### **3.3.2 Low Impact Development**

Low Impact Development (LID) is an alternative way of developing land that minimizes the negative impacts of urbanization on wildlife habitats and waterways. The design more closely imitates the natural world by controlling and filtering runoff close to where the rain fell, rather than funneling it into pipes and storm sewers that drain into streams and rivers. Low impact development for watershed management includes the following best practices: green roofs, pervious (flow-through) pavement, rain gardens, vegetated streamside areas, rainwater harvesting, and grassy swales.

The survey determined that most municipalities in the region were comfortable using rain gardens, parking islands, buffers, flexible

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site design, shared parking and porous pavement. There was some skepticism regarding the long term maintenance of rain gardens. Most municipalities in the region were more willing to require LID of new commercial and industrial development than of existing sites.

### **3.3.3 Improving Municipal Training and Practice**

We determined through the survey that towns needed assistance in their efforts to reduce harmful effects of polluted stormwater. Most municipalities selected improving training for volunteer commissioners and town staff, and creation of a guide and model ordinance. Some municipalities also expressed a need for better runoff pollution control on state roads over which they have no authority.

## **4 Advocacy Recommendations**

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### **Tactics for State Permits Advocacy**

The federal Clean Water Act is the driving force behind laws and regulations requiring further cleanup of river pollution. The regulatory process is an adversarial one. Applicants for state water pollution control permits must obtain a permit for their discharge into the waters of the state. For a diversion, applicants must obtain a permit to remove water if the amount is more than 50,000 gallons per day.

The regulatory agency, CT DEEP, determines how much pollution load or diversion the waterway can withstand, and specifies best practices the polluter or diverter must follow. The regulator then publishes a proposed decision, with a deadline for public comments.

The **public comment window** is the interval during which river advocates must express their views

on the proposed decision. Twenty five signatures will trigger a public hearing. Advocates must go on record if they object to the proposed decision, and push regulators to add stronger protections for the waterway.

General permits with uniform requirements for an entire class have replaced individual permits in recent decades. General permits are especially difficult for river advocacy, as a large and powerful alliance of all the members of the class works together to object to the permit requirements. A recent example is the unified opposition of most South Central Connecticut municipalities to the MS4 (municipal stormwater) general permit. On the other hand, strengthening a general permit improves water quality for the entire class of permit holders.

### **Local Land Use Permits**

At the local level, land use permits can be used to protect water quality. These permits also involve an adversarial process. In a typical public hearing, only the immediate neighbors or an economic competitor objects to a development that may generate polluted runoff. Local land use regulators must decide what requirements to put on the developer. Advocates can use local permit hearings to ask for low impact technologies, and regulators are more likely to make them part of the permit.

### **Organizing for Advocacy**

There is a larger constituency for clean water in rivers and Long Island Sound than there are pollution and diversion permit holders. More than 200,000 people live just in the Quinnipiac Watershed. Advocates have the advantage in numbers if they organize, time their actions according to the permit schedule presented in this report and become more visible in their advocacy message at both state and local levels.

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## **Timetable for Advocacy on Key Permits**

The report lists major water permits and their expiration dates for purposes of coordinating public participation in the Quinnipiac, Mill and West River watersheds. The report lays out the timeline for river advocacy to influence key permits and regulatory decisions. The most important upcoming decisions include: Streamflow Classification for South Central Connecticut (2015); municipal stormwater (MS4 General Permit, 2015-16); Cytec (NPDES industrial permit, 2015-16, Quinnipiac River); municipal land use permits, year-round; POTW permits for Cheshire, Greater New Haven, Southington, Meriden and Wallingford (Quinnipiac River and New Haven Harbor); and Triennial Review of water quality standards (2016-17).

## **Regulators and Allies**

The report provides the names of state regulators and municipal staff addressing water quality and quantity permits as well as membership organizations with an interest in river restoration and conservation who may be potential allies in permit advocacy. Recommended **ACTION** steps appear throughout the report. They are also listed in Appendix 10.

## **Advocacy Recommendation**

Although the Quinnipiac, Mill and West Rivers are either wholly or partly on the impaired waters list in 2014, they are significantly recovered from the decades before passage of the Clean Water Act in 1972. This report identifies the remaining urban river permits for the three rivers of South Central Connecticut and provides the tools that advocates can use to further restore these rivers to benefit both people and wildlife.

It is more difficult to restore urban rivers such as the Quinnipiac, Mill and West Rivers of South Central Connecticut as they have been modified by dense

human populations and associated development, which has converted forest to paved landscape and generated more waste per acre. Yet the people who live and work in urban river watersheds need outdoor recreation, clean water and a healthful escape from the stress of daily life. Rivers can provide all of these benefits. Successful advocacy on behalf of restoring rivers begins with monitoring the timeline for state permits laid out in this report, regularly monitoring local land use permits, organizing potential allies to provide testimony, and promoting best practices for permits and municipal land use activity.

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## **5 Acknowledgments**

Mill River Watershed Association (MRWA) and River Advocates of South Central Connecticut thank the Community Foundation for Greater New Haven's Quinnipiac Fund for their support for this 2013-2014 project to review state, federal and municipal permits affecting water quality and quantity in the Quinnipiac, Mill and West Rivers, interview regulators, and recommend advocacy steps and a timetable. We also thank the hard working staffs of Connecticut Department of Energy and Environmental Protection (CT DEEP) and South Central Connecticut's municipalities for their time and assistance on this project.

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# 1 The Three Rivers of Greater New Haven

## 1.1 Character of Each River

The Quinnipiac, Mill and West Rivers are located in South Central Connecticut, one of the densely populated urbanized regions of the state (**Figure 1-1**). The three rivers all empty into New Haven Harbor and Long Island Sound but differ in character as a result of how regulators designated their uses more than a century ago. All three are impacted by activities which harm water quality; each river is either partly or wholly located on the federal **impaired waters list**. This report looks at the permits regulating pollution on the Quinnipiac, Mill and West Rivers and how river advocates in South Central Connecticut can influence these permits to improve their rivers and eventually remove them from the federal impaired waters list. Despite impairments, parts of the Quinnipiac, Mill and West Rivers support recreation, including paddling, fishing, bird watching, hiking and relaxation.

The Quinnipiac, the major river of the South Central Connecticut region, has a history of use as the region's designated waste receiving stream, yet the Quinnipiac's upper tributaries are clean enough to supply public drinking water. Permitted industrial pollution and municipal waste treatment discharges in the South Central CT region solely affect the Quinnipiac. There are five publicly owned treatment works (POTW's) and one industrial treatment plant on the Quinnipiac River and none on the Mill or West Rivers. Pollution loads on the Quinnipiac main stem increase as one moves downstream. In New Haven, an old problem—combined sewer overflows, or CSO's—affects the lower section of all three rivers on rainy days.

In contrast, the Mill and upper West Rivers are a designated source of drinking water for South Central



**Figure 1-1.** The three rivers of greater New Haven in South Central Connecticut—the West, Mill and Quinnipiac—all empty into New Haven Harbor and Long Island Sound. (Karl Musser)

CT, the Mill filling Lake Whitney, the Regional Water Authority's reservoir in Hamden, and the West supplying the Authority's Lake Watrous and Lake Dawson in Bethany. Connecticut is one of only two states that requires drinking water sources be separated from waste receiving streams. Although the Mill and West are free of permitted industrial or municipal discharges, both rivers and the Quinnipiac are affected by urban river problems: storm water discharges, combined



**Figure 1-2.** Tide gates at New Haven partially separate the West River (shown here) and the Mill River from Long Island Sound. CT Fund for the Environment/Save the Sound and partners have modified the gates to partially restore tidal flow. ([newenglandboating.com](http://newenglandboating.com))

sewer overflows, water diversions and land uses that generate polluted stormwater all create deterioration in water quality.

## 1.2 Human Impacts

Several types of human impacts have reduced these rivers' natural ability to maintain water quality.

### Tide Gates

Human activities since Europeans first settled the area caused significant changes to the three rivers. At New Haven, the Mill and West Rivers are partially separated from Long Island Sound by tide gates that control flooding but also interfere with the flushing action of twice daily tide changes (**Figure 1-2**). Tide gates also

reduce the brackish (mixed salt and freshwater) salinity normally found where a river meets the sea, altering habitat for wildlife, including shellfish. The Quinnipiac is the only one of the three rivers without tide gates; it is free-flowing and brackish at its mouth.

### Marsh Destruction

The salt marshes at the three rivers' junction with Long Island Sound, the original source of pasture for the English settlers' cattle (**Figure 1-3**), have been substantially destroyed for development, transportation and waste management, removing nature's filtration and erosion control. A small section of salt marsh (Quinnipiac Meadows) remains in New Haven on the east bank of the Quinnipiac under the protection of the New Haven Land Trust. A large tract lies in Hamden

**Figure 1-3.** Early settlers used hay from the salt marshes of Greater New Haven to feed livestock.  
(*Frederick Edwin Church, West Rock, New Haven*, 1849)



and North Haven north of the I-91 bridge, owned by the State of CT and private industrial and commercial interests. A small remnant lies in New Haven and West Haven on the West River.

### Dams

All three rivers were dammed by CT's early settlers in the 1700's and 1800's to provide water power for manufacturers or drinking water. A few dams remain and serve today to impound reservoirs on the Mill (Lake Whitney) and West Rivers (Lakes Watrous and Dawson) and tributaries of the Quinnipiac, or are relics of former manufacturing on the West River and main stem of the Quinnipiac. Dams reduce water quality by interfering with flow and reducing oxygen, as well as prevent spawning of fish. Where unused dams are breached or removed, rivers are free-flowing and able to process waste and nutrients more easily. Fish can access their spawning grounds on dam-free rivers.

Two dams on the Quinnipiac , Wallace in Wallingford and Hanover in Meriden—both formerly used for powering industry --now provide recreational impoundments and potential hydropower. Impoundments provide recreation but also create favorable conditions for excessive algae growth. Fishways at these sites allow migrating and spawning fish to pass around the dam. Two small and partially breached dams (Carpenter's in Meriden and Clark's Brothers at the

bowling alley in Southington) on the Quinnipiac will be removed under a US Fish and Wildlife mitigation project to further enhance water quality and fish restoration. A dam formerly used for manufacturing on the West River, which forms the Pond Lily impoundment at New Haven, will be removed in summer 2015 by CT Fund for the Environment and their partners.

### Discharges of Sewage and Industrial Waste

The POTW's on the Quinnipiac River increase pollution loads on the Quinnipiac main stem as one moves downstream. With passage of state and federal Clean Water Acts, regulators permitted the discharge of treated effluent according to water quality standards. In recent years, regulators have strengthened requirements for these discharges with some success, but have been less successful at adding updated criteria for phosphorus, toxics and endocrine disruptors.

### Paving

Urban centers have lost their forests and are covered by a higher percentage of paved surfaces than rural or lightly developed landscapes. As the landscape surpasses 12% developed—and some portions of South Central Connecticut watersheds are as much as 47% developed—the natural water storage and filtration mechanisms of undeveloped, forested land break down.



**Figure 1-4.** Summer low water in the Quinnipiac River in August and September inhibits water-based recreation such as paddling and fishing, and concentrates pollutants in the reduced volume. (Photo: Mary Mushinsky)

Pollutants readily enter streams and rivers if they are not filtered through soil, sandy glacial deposits and trees. This trend is discussed more fully below in **1.4 Heavily Developed Urban Watersheds**.

## 1.3 Water Quality and Quantity Issues

### Impaired Water Quality in the Quinnipiac, West and Mill Rivers

According to the Clean Water Act-required report to Congress, the Quinnipiac is **impaired** (does not meet Clean Water Act goals of supporting aquatic life or recreation) throughout most of its length. The West River is impaired for aquatic life for 3.32 miles from the Konold's Pond outlet on the Woodbridge/New Haven

border to the Chapel Street crossing in the Westville part of New Haven and in the segment passing through Edgewood Park. A tributary, Wintergreen Brook, is impaired for recreation for a distance of 1.42 miles. The Mill River is impaired for aquatic life for 3.09 miles from its headwaters to Cook Hill Road crossing in Cheshire, as the Mill passes through an increasingly urbanized landscape. Its tributary, Willow Brook, is impaired for recreation for 1.87 miles. The list of impaired segments and the reason for each impairment is listed in **Appendix 1**.

Both water quality and quantity are issues of concern for river advocates in South Central Connecticut. In summer, poor water quality prevents contact recreation (swimming and wading) at the exact time people need to cool off. Water quantity is also a concern for the



**Figure 1-5.** The Quinnipiac and other Greater New Haven rivers were once surrounded by forest. Today, forested landscape is rare in the region; it exists mainly around reservoirs and in Quinnipiac River State Park. (*Photo: Ian Christmann*)

survival of aquatic organisms and wildlife in summer as diverters remove more water than the rivers can spare. According to CT DEEP, one half of the Quinnipiac's volume is treated effluent in late summer, low-flow conditions. Low water interferes with swimming, paddling, fishing and fish life (**Figure 1-4**). It is a management challenge to meet all demands for water in the urban rivers of South Central Connecticut while supporting native wildlife and providing summer recreation.

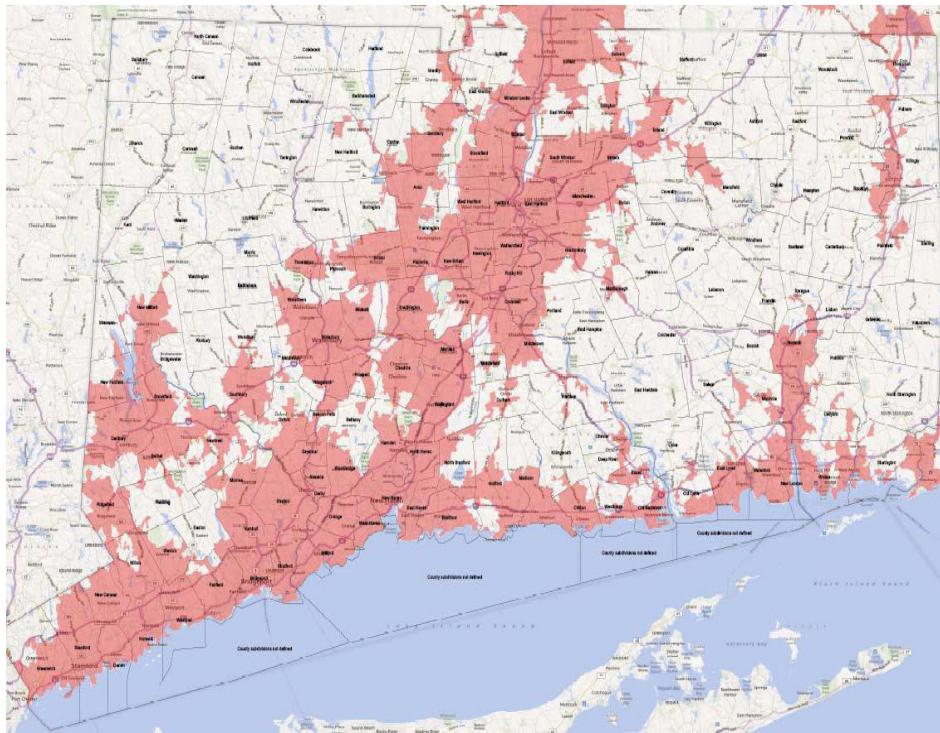
## 1.4 Heavily Developed Urban Watersheds

South Central CT is heavily urbanized, so that extensive paved surfaces have replaced forests, plants and soil, and reduced the natural filtration and storage of rain and snow. Only remnants of forest, which purify and maintain consistent water flow, remain in South Central

Connecticut (**Figure 1-5**). Paved landscapes of city and suburb hinder the return of clean rain water to replenish rivers, streams and underground water supplies, and increase flash flooding.

**Figures 1-7, 8 and 9 (pages 18-19)** depict watershed maps derived from satellite photos (UConn CLEAR, 2006). Much of the Quinnipiac, and downstream sections of the Mill and West River basins are heavily paved today in comparison to previous decades. Paved landscapes do not filter or store rainwater effectively, and the stormwater washing off streets and lots is often contaminated.

Once a river basin is developed more than 12%, water quality degrades. If developed land is 10-25% impervious cover, the river basin is stressed. If 25-60% developed, stream stability is reduced, habitat lost, water quality degraded, and biological diversity decreased according to the United States Dept. Of Agriculture,



**Figure 1-6.** Urban areas of Connecticut are shaded. The rivers of South Central CT are located in the urban corridor of South Central and Central Connecticut. (CT DEEP)

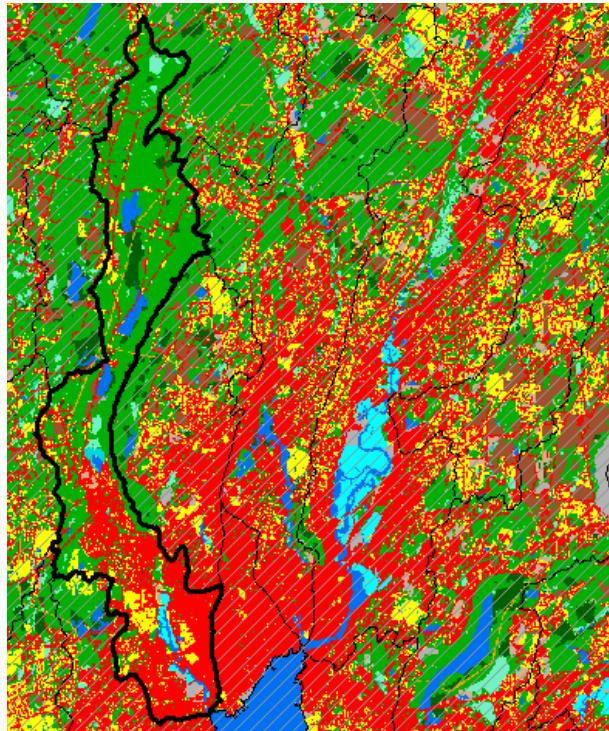
Natural Resources Conservation Service (USDA NRCS). In South Central Connecticut, the lower river basins are developed beyond 25%—a huge challenge for river advocates as they attempt to restore water quality. For example, in 2010, 35% of the entire Quinnipiac watershed was developed. Some subwatersheds were even higher: 47% of Harbor Brook and 44% of the Quinnipiac main stem were developed. In South Central CT, located in the state's urban corridor (**Figure 1-6**), drainage systems now carry dirty water directly from streets, parking areas and developed lots to rivers without filtration.

At the upstream end of each river basin, clean, consumable water is stored at reservoirs and piped to homes, businesses and institutions. Users consume the water, then send wastewater by pipes to treatment plants, where it is treated and returned to the river system at a location far downstream from where the water was first tapped. As a result, headwater streams are more depleted, and the lower Quinnipiac is larger

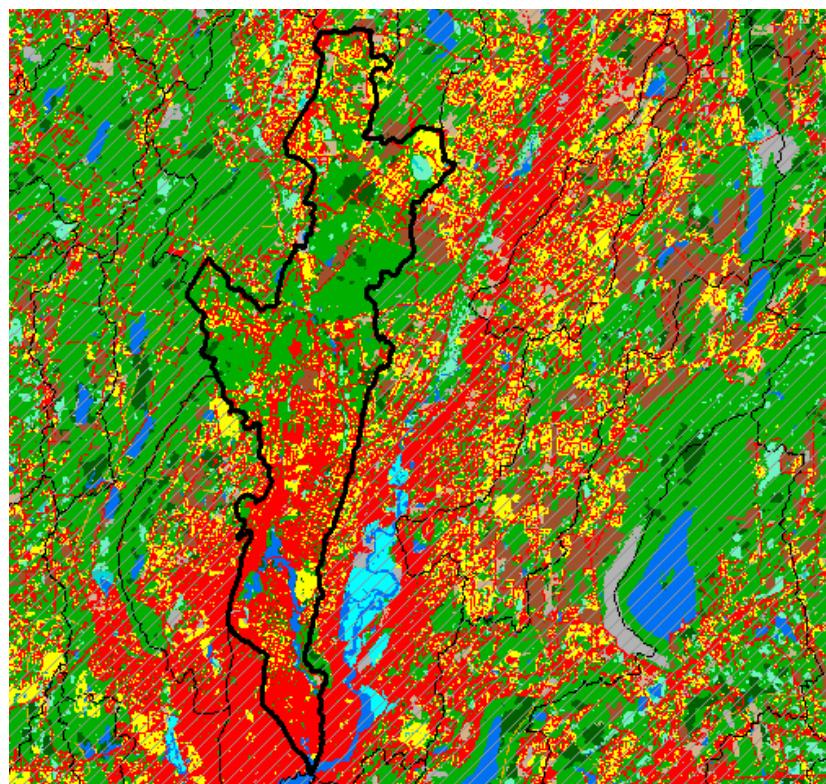
in volume today than it was in the 1960's, according to United States Geological Service (USGS) stream gage records. Even though development has disrupted the natural water recycling system, the dense population of the region still requires a steady supply of water for drinking, commerce, agriculture, recreation, wildlife protection and waste removal.

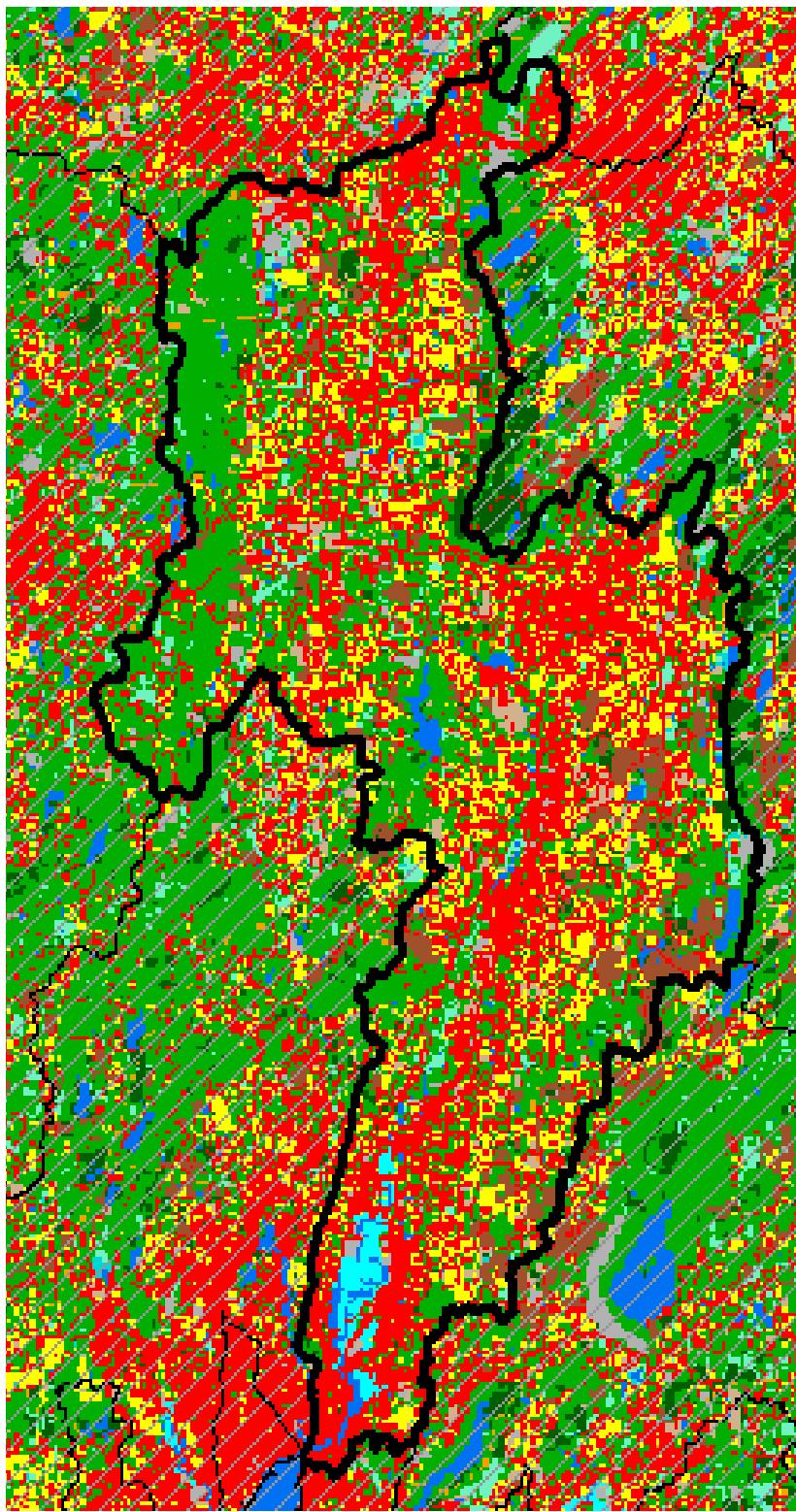
Connecticut has lost an estimated one half of its freshwater wetlands to filling and development, according to Metzler and Tiner (1992). The damage occurred before policy makers recognized the important role of wetlands in storing clean water and recharging streams and wells in the hot, dry months. The Inland Wetlands and Watercourses Act of 1972 now regulates and protects the remaining wetlands using municipal wetland commissions as regulatory agencies.

**Figure I-6.** The West River basin is heavily developed in its lower reaches through Woodbridge and New Haven. Red indicates developed areas. (UConn CLEAR, 2006)



**Figure I-7.** The Mill River basin is heavily developed in Hamden, North Haven and New Haven. Even the upper reaches in Cheshire are affected by development and are impaired for aquatic life. (UConn CLEAR, 2006)





**Figure I-8.** The Quinnipiac River basin is heavily developed in Plainville, Meriden, Wallingford, North Haven, Hamden and New Haven, and increasingly in Southington and Cheshire. (UConn CLEAR, 2006)

# 2 The Pollutants: Regulated and Unregulated

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## Causes of Impaired Water Quality in the Quinnipiac, West and Mill Rivers

Several pollutants are responsible for the continued **impaired** status of the Quinnipiac, West and Mill Rivers, in particular bacteria and excessive nutrients such as phosphorus and nitrogen. In some cases, the specific causes are unknown.

For example, recent data as summarized in the Quinnipiac River Watershed Based Plan (2013) indicates the major contributor for each pollutant in the Quinnipiac River (**Table 2-1**).

Here is a closer look at the four pollutants that landed the Quinnipiac on the federal **impaired waters list**.

### 2.1 Phosphorus

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Phosphorus is a naturally occurring nutrient and supports plant growth. However, in excessive amounts, phosphorus causes nutrient enrichment. Enrichment generates algal blooms, noxious blue green algae, reduction in water clarity, depletion of oxygen and fish kills (**Figure 2-1**). United States Environmental Protection

Agency (US EPA) Region I in New England requires states limit phosphorus to avoid eutrophication (aging of water bodies) and impairment of rivers and Long Island Sound

### Municipal Phosphorus Controversy

Sewage treatment plants or Publicly Owned Treatment Works (POTW) permits were delayed with the phosphorus controversy of 2012. Municipalities objected to the additional cost of phosphorus removal, as they had already invested in removing nitrogen. CT DEEP required inland municipalities to take additional steps to remove phosphorus due to new confirmation of the importance of phosphorus in river impairment. The agency is obligated under the federal Clean Water Act to regulate known sources of water pollution in order to remove river miles from the impaired waters list.

Municipalities argued that the cost of phosphorus removal is prohibitive and not fairly distributed. Initially, only waste-receiving streams such as the Quinnipiac have nutrient criteria, although CT DEEP will expand criteria to all streams in the next water quality standards review (**Figure 2-2**). Permits issued so far

**Table 2-1.** Major Contributor for Quinnipiac River Pollutants

Pollutant	Major Contributor
Phosphorus	Municipal POTW's (sewage treatment plants)
Nitrogen	Non-point sources (landscape sources)
Suspended Solids	Non-point sources
Bacteria	Non-point sources



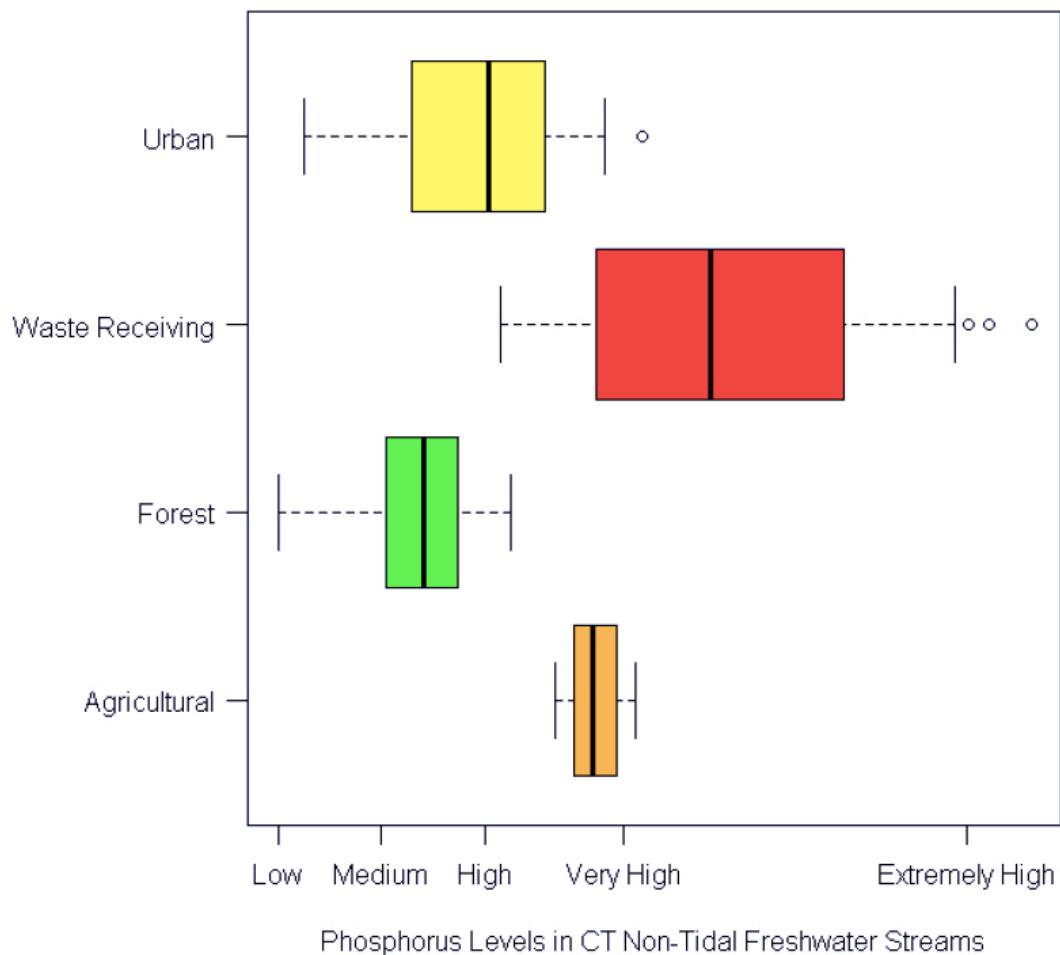
**Figure 2-1.** Excess nutrients such as phosphorous create an annual algae bloom and impair recreation at Hanover Pond, an impoundment of the Quinnipiac River at Meriden. They also stimulate the growth of toxic blue-green algae. (*Photo: Mary Mushinsky*)

by CT DEEP require municipalities meet an interim standard for phosphorus—a less stringent standard than is needed for control of over-fertilization, but a compromise between the state and municipalities for 5 years. A coordinating committee of CT DEEP and the municipalities is meeting in the interim to collaborate on a solution to phosphorus removal that is more affordable. The legislature has required the state to assist municipalities with financial help for phosphorus removal.

Most phosphorus in the Quinnipiac—75%—arrives from municipal waste water treatment plants

(POTW's); non-point (landscape-generated) sources and agriculture contribute the other 25%. Ironically, some municipalities intentionally add phosphorus to public water systems to reduce pipe corrosion, increasing the phosphorus load coming into the waste treatment plant. The public pays to add phosphorus at the front end of the water system, and to remove it at the tail end. Collaborators share the goal of reducing phosphorus loading from all sources.

Although controversial due to cost issues, there is a science-demonstrated need for phosphorus reduction



**Figure 2-2.** Comparison of phosphorus levels in CT streams. Waste receiving streams such as the Quinnipiac have very high phosphorus loads (red box, second from top) and are therefore the first with CT DEEP-imposed phosphorus criteria. Other urban streams such as the Mill and West Rivers also carry high phosphorus loads (yellow box, top), but less than waste receiving streams. (CT DEEP, 2012)

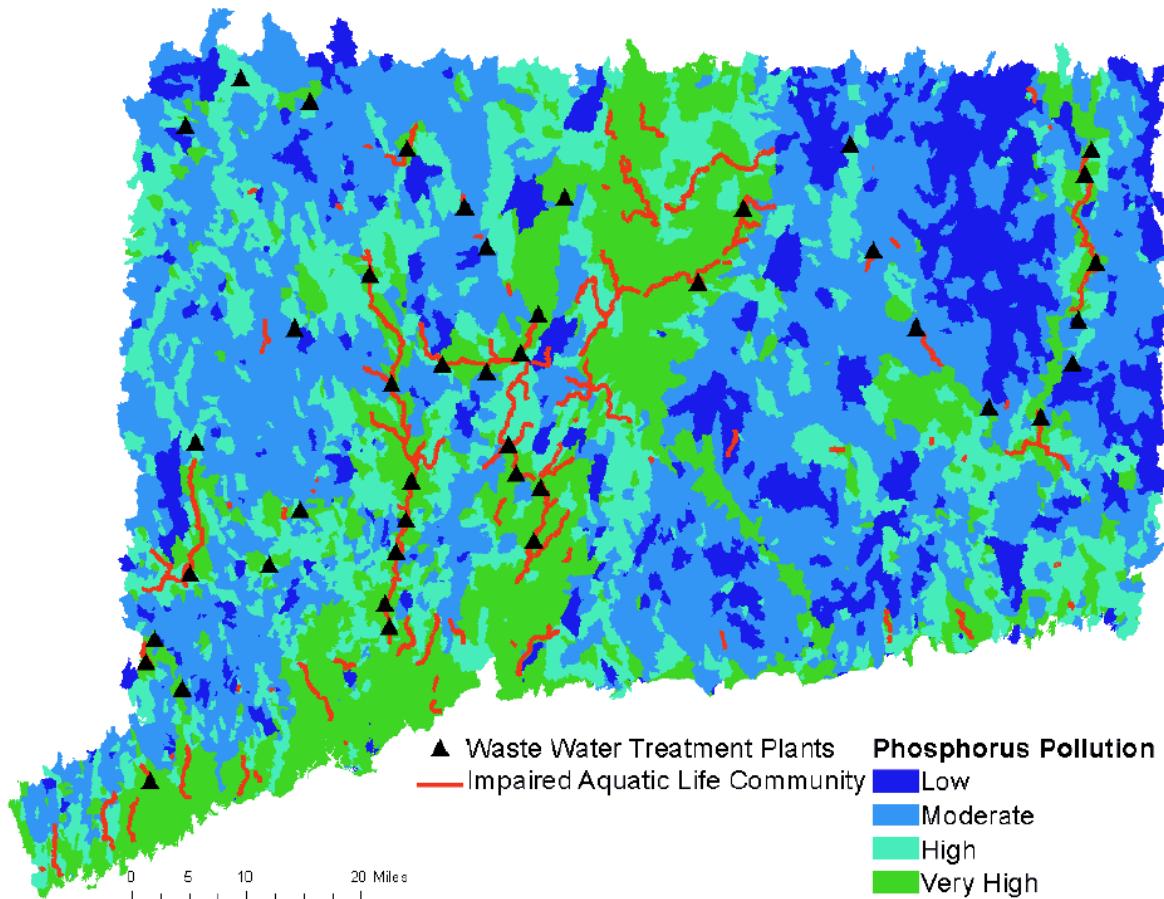
as very high phosphorus is linked to impaired aquatic life (**Figure 2-3**). All sources, including waste treatment plants, agriculture and landowners must reduce phosphorus or the region will fail to restore impaired streams and rivers as required by the Clean Water Act. Phosphorus removal will need measurable and enforceable standards to succeed.

**ACTION:** River advocates can help reduce phosphorus in the Quinnipiac by backing measurable and enforceable standards for waste water treatment so that regulators and engineers can achieve a solution to the

phosphorus problem. Advocates can also work to reduce excess fertilizer use by everyone in their community to remove additional phosphorus and protect all rivers and streams, whether waste-receiving or not.

## 2.2 Nitrogen

Like phosphorus, nitrogen is a plant nutrient which provokes excessive algae growth when present in abundance. Municipalities have increased the removal of nitrogen at POTW's under tightened permit requirements. A few farsighted municipalities –for example,



**Figure 2-3.** Linkage of impaired aquatic life (red-highlighted rivers) to very high phosphorus pollution and waste water treatment in CT's urbanized regions. Very high phosphorus pollution (bright green) matches waste water treatment plant discharges (black triangles). (CT DEEP, 2012)

Cheshire—have taken advantage of nitrogen trading to remove more nitrogen than CT DEEP requires, selling their nitrogen removal credits to other municipalities that have less efficient technology. All treatment plants, combined, had to reduce the annual loading of total nitrogen to Long Island Sound 64% by 2014 from the base year of 2002. At present, Wallingford and North Haven POTW's do not meet nitrogen removal goals (Fuss and O'Neill).

Nitrogen impairs rivers, streams and Long Island Sound by excess fertilization. Wastewater treatment plants do an admirable job of removing nitrogen, but only treat the 25% of nitrogen that reaches the

treatment plants. Fully 74% of nitrogen reaches rivers from poor landscape practices (Fuss and O'Neill).

**ACTION:** River advocates can support requirements for nitrogen removal by waste water treatment plants. They can also advocate in their communities to reduce excess fertilizer use, get their towns to find and stop illegal sewage discharges, and restore stream-side vegetation in order to remove excess nitrogen entering waterways. The USDA NRCS has demonstrated that leaving a buffer of vegetation and soil alongside waterways

*effectively cleans polluted runoff and is one of the most cost-effective ways to prevent water pollution in urbanized watersheds.*

## 2.3 Suspended Solids

Suspended solids include silt and clay particles, plankton, algae, fine organic debris, and other particulate matter. Suspended solids can serve as carriers of toxics, which cling to suspended particles. This is particularly a concern where pesticides are being used on irrigated crops or when petroleum-derived chemicals fall onto roads and parking lots. Where suspended solids are high, pesticide concentrations may increase well beyond those of the original application as irrigation water travels down ditches. In one study of road toxins in Cheshire, sediment from parking lots and Route 10 carried vehicle-derived polycyclic aromatic hydrocarbons (PAH's) in sufficient quantity to poison aquatic organisms.

Total solids also affect water clarity. Higher levels of solids decrease the passage of light through water, thereby slowing photosynthesis by aquatic plants. Water heats up more rapidly, harming aquatic life that is adapted to a lower temperature. Sources of total solids include industrial discharges, sewage, fertilizers, road runoff, and soil erosion. Solids in a river (appearing as brown or muddy water) are an indication that an uncontrolled erosion problem lies somewhere upstream.

**ACTION:** *River advocates can support good housekeeping of roads and streets by their municipal public works departments. Advocates should also argue for municipal land use regulations that require developers to keep sediment from leaving the building lot and entering storm drains and the nearest watercourse. As new contaminants often reach waterways by clinging to particles, advocates can reduce pollution by reporting violations and supporting enforcement against uncontrolled sediment.*

## 2.4 Bacteria

Bacteria measured as fecal coliform are one of the most difficult pollution problems in urban river systems.

Today, virtually all bacteria reaches the rivers because of contaminated water running off the urban landscape. Illegal and undetected discharges of raw sewage, golf course ponds and parks with large populations of geese, dog waste, leaking septic tanks and improperly managed agriculture (all “non-point sources” as they don’t come from a pipe) contribute bacteria which is a threat to public health. The areas zoned for single family residential land use are responsible for 75% of non-point source fecal coliform bacteria in the urbanized parts of Connecticut (Fuss and O’Neill). Management of each of these sources and restoration of vegetation along brooks, streams and rivers has been shown to reduce the stubborn problem of high bacteria counts.

**ACTION:** *To reduce bacteria, river advocates will need to promote strengthening requirements for non-point sources using state and municipal permits. Bacterial reduction is necessary to reclaim recreational uses of the Quinnipiac, Mill and West Rivers and their streams. Important tools include local ordinances to control dog waste, restrict feeding of geese and ducks, restore tree buffers along streams and find and regulate illegal discharges. Some of these steps are required by the MS4 (stormwater) permit but are opposed by municipalities. Advocates must ask officials to implement these tools to reduce bacteria.*

## 2.5 Toxics and New Pollutants

In addition to the four major impairments described above, other wastewater discharges may cause normal stream life to be absent. Known toxics in wastewater discharges are tested using US EPA protocols. CT DEEP’s permits include requiring testing of effluent on aquatic organisms, using organisms such as the larval stage of fathead minnows or the tiny crustacean nicknamed water flea. At least 90% of the test organisms must survive for a passing grade.

Some water quality experts have suggested that CT water quality permits are outmoded—for example, industrial discharge permits are tailored to metal finishing businesses more common in the 1960’s and 1970’s, and should have been updated to include new toxic chemicals and other pollutants that did not

previously rise to the level of scientific concern. Additional requirements for permitted industrial discharges and POTW's could include restrictions on other toxic chemicals, phthalates and other endocrine disruptors (i.e., chemicals that interfere with hormones), and pharmaceuticals. Connecticut could also require municipal restrictions on water-borne pesticides.

### **Phthalates**

Phthalates are a group of chemicals used to make plastics more flexible. They are used in products such as detergents and beauty products, but are also known as endocrine (hormone system) disruptors (University of Minnesota, 2003). Some human studies have linked exposure to phthalates to changes in fertility, particularly in males.

The major sources of phthalates in waterways are municipal and industrial effluents. Derivatives of phthalates in the form of phthalic acid esters (PAE's) can attach to particulate matter in streams and be deposited in the streambed. Phthalates, which are rapidly metabolized, do not readily bioaccumulate because environmental organisms can excrete them. In addition, because of the high rate of attachment to particles in the aquatic environment, aquatic exposure is reduced. Microbial action was able to rapidly remove phthalates from the water column in experiments. In summary, the principle risk of phthalates would be to aquatic ecosystems in the vicinity of phthalate processing industries. It is unknown whether phthalates in South Central Connecticut aquatic ecosystems are present in high enough concentrations to disrupt reproduction in aquatic organisms.

**ACTION:** Advocates should verify whether any phthalate processing industries discharge to the Quinnipiac River or to POTW's which discharge to the river.

### **Pharmaceuticals**

Pharmaceuticals can enter the environment in a variety of ways. Some of the medications taken by people and animals escape to the environment by excretion. Unwanted medicines can also enter the environment when residents dispose of them by flushing medicines down the toilet instead of in the trash. Studies have shown that pharmaceuticals in our environment may

have a negative impact on some aquatic organisms.

Little is known about the extent of pharmaceuticals in the aquatic environment or their potential risks. According to US EPA's website, [www.epa.gov](http://www.epa.gov), scientists are surveying 50 of the nation's largest municipal wastewater treatment plants and analyzing the samples to determine how much of 48 commonly used pharmaceutical ingredients make their way from homes to rivers and streams. Some of the 48 high-priority active pharmaceutical ingredients include steroid hormones, alkylphenolic compounds, bisphenol A, and perfluorinated chemicals.

Preliminary results suggest to US EPA that risks posed to healthy adult humans (and animals with similar physiology) by water-borne pharmaceutical residues is very low. US EPA scientists will look more closely at potential risks to sensitive human sub-populations, such as people with allergies, pregnant women, children, and people with impaired metabolisms. US EPA will also study how water-borne pharmaceutical residue exposure may affect aquatic life.

A few studies indicate that pharmaceuticals in rivers have the potential to damage fish and other aquatic animals. For example, a Boulder, Colorado study found that sex ratios of fish upstream from a wastewater treatment plant were 45 percent female, while downstream from the plant 83 percent of the fish were female. Researchers think this could be a result of endocrine-disrupting compounds, including synthetic estrogen found in treatment plant effluent.

A 1999 U.S. Geological Survey of 139 streams in thirty states found at least one pharmaceutical in 80 percent of the streams tested. Acetaminophen (pain relief medicine) was found in 23.8 percent of streams tested, the antibiotic trimethoprim in 27.4 percent, and codeine in 10.6 percent of streams tested. Concentrations of pharmaceuticals were usually low (Kalpin et al, 2002).

With additional research, EPA scientists will be able to advise which pharmaceuticals pose a risk, potential exposures to these pharmaceuticals, and ways to help manage that risk.

**ACTION:** While removing pharmaceuticals from humans' excreted waste will be more of a challenge, river advocates can take one step immediately to reduce concentrations

*of pharmaceuticals: promote diversion of unwanted medicines to burn for disposal rather than flush them down the toilet. Many municipalities provide a safe disposal for pharmaceuticals at the local police station and federal regulations now allow pharmacies to accept unwanted pharmaceuticals. But pharmacies are not volunteering to be safe disposal sites and some towns have no designated disposal site. Education can teach residents that one method of safe disposal of unwanted pharmaceuticals is to dissolve them in a small amount of liquid, then throw the container into the trash.*

## Water-Borne Pesticides

According to a U.S. Geological Survey, the proportion of urban streams in the United States with potentially worrisome levels of pesticides for aquatic life has surged to 90 percent, a two-decade government study revealed in 2014. The USGS only looked at pesticides which can be carried by water.

While the levels found seldom rose to levels affecting human health, some of the more than 500 million pounds of pesticides used yearly in the United States are concentrated at levels that pose a concern for fish and water-dwelling insects, the USGS report said. Ninety percent of urban streams had one or more pesticides exceeding an Environmental Protection Agency aquatic-life standard from 2002 to 2011, a dramatic increase from 53 percent in the previous decade.

In urban areas, increased use of the insecticides fipronil and dichlorvos was the main reason more streams were showing pesticide levels topping EPA benchmarks. Fipronil is used for yellowjacket (wasp) control, flea control, and pest control on corn, golf courses and turf. Dichlorvos is used to control household insects, kill crop pests, and for pet protection and no-pest strips. Both are toxic to aquatic organisms (University of California, 2014).

**ACTION:** Advocates can persuade governments, institutions, residents and businesses to use alternatives to the insecticides fipronil and dichlorvos to safeguard aquatic life.

## The Process of Updating Water Quality Standards: Expanding the List of Toxic Chemicals

CT DEEP updates the water quality standards that govern permits every three years, as required by federal law. This **Triennial Review** is the portal for anyone proposing changes to the standards, including chemistry and water temperature. CT DEEP in 2009 sought to add 89 new chemicals to the water quality standards during the Triennial Review required by federal law, but heavy industrial opposition reduced the number of new additions to only three: aluminum, chloride and formaldehyde. These were included because they were the subject of common inquiries concerning aquatic life toxicity.

The agency also revised criteria for three existing pollutants: cadmium, silver and acrolein. CT DEEP adopted updated human health criteria for only those substances found in the 2002 water quality standards for which more restrictive federal criteria have been published pursuant to the federal Clean Water Act. The Triennial Review process is an opportunity for public comment, updates to incorporate the latest science of water pollution effects, and to accommodate any changes in federal and state law.

The latest review occurred Oct. 24-Dec. 16, 2013 for the January 2014 standards. The 2014 Triennial Review did not add any additional chemicals and CT DEEP submitted the final report to US EPA in July 2014. The proposed human health and aquatic health based criteria for chemical constituents which were opposed by industry are found in **Appendix 2**.

The next opportunity will begin in Fall 2016 for the January 2017 water quality standards. According to the regulations, CT DEEP has the discretion to add to the standards under their general narrative to avoid toxicity and impairment of biological integrity. The agency proposes updates, solicits public comments, and posts all documents and comments on the agency's website. CT DEEP then makes changes based on comments received and prepares a draft revision of the water quality standards. There was no proposal for any changes in the recently completed 2014 review.

CT DEEP will continue to apply "no toxics in toxic amounts" to regulatory activities on a case by case basis. The agency is committed to a further stakeholder process before adopting the vast majority of

new compounds and is likely to address a few toxics at a time. In the next Triennial Review, CT DEEP will be able to move forward with the addition of a smaller number of new pollutants based more closely on risk assessment.

While some observers have criticized the old standards as not relevant, CT DEEP believes the pollutants tied to the federal list of the 1970's are still important to Connecticut as the residue of vanished metal finishing industries is still present in the sediments.

*CT DEEP Contact:*

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**ACTION:** *River advocates who desire an update of water quality standards to add specific chemicals of concern or additional temperature controls to protect cold water fish such as trout should use the Triennial Review process to request the addition of new pollutants not previously regulated. This is also the opportunity to tighten restrictions on water temperature in certain areas important to survival of cold water fish.*

*To stay abreast of regulatory proposals, any citizen can request to be added to the CT DEEP listserve through their website. CT DEEP distributes notices of upcoming regulatory procedures and timetables are distributed to followers of the listserve.*

# 3 Permits of the Quinnipiac, Mill, and West Rivers

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The water quality and quantity permits of the Quinnipiac, Mill and West Rivers fall into **three broad categories:**

- 1) **Wastewater discharges** regulated by the federal and state Clean Water Acts;
- 2) **Water diversions** regulated by the state's water diversion law and modifications for streamflow law; and
- 3) **Land use permits** at the municipal level.

**ACTION:** Permits are generally an adversarial process. To become effective river protectors, river advocates must learn to use all three river permit categories: discharges, diversions and local land use decisions. Advocates must appear at permit hearings and argue for best practices to protect water quality and quantity so that regulators will require these measures of applicants. Advocates may trigger a public hearing for state permits by collecting the required 25 signatures.

## 3.1 Wastewater discharge permits

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Wastewater discharge permits protect water quality. They are regulated by the State and Federal Clean Water Acts. US EPA has designated CT DEEP to enforce the 1972 Clean Water Act water quality standards in Connecticut. Historically, we can be proud that Connecticut passed its own Clean Water Act in 1967, five years ahead of the federal law. The goal is to reduce pollution to reach **fishable and swimmable** conditions and remove rivers and streams from

the “**impaired waters**” list that the state submits to Congress. Per federal law, the key industrial and municipal discharge permits are called **NPDES**—the National Pollution Discharge Elimination System. The discharge is to surface waters (rivers or streams) either directly through pipes, or through municipal storm sewer systems, or other systems such as wetlands or swales. Wastewater discharge permits include **industrial, municipal, general permits for wastewater** and **non-point source permits**, including those for managing pollution from **stormwater**. There are approximately 1,212 water discharge permits for the three watersheds of South Central Connecticut, of different permit types (**Appendix 5**).

### 3.1.1 Industrial Discharge Permits

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#### 3.1.1.1 Renewable NPDES permits (5-10 years duration)

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In 2014, there were six industrial discharges to the Quinnipiac, and no discharges to the Mill or West Rivers. There is also a federally regulated discharge to the Quinnipiac at a Superfund site, Solvents Recovery of Southington. Two of the six discharges emanate from cleanups of old sites which operate under remediation orders. Of the four remaining permits, one is for cooling water, leaving only three with chemical discharges (**Table 3-1**).

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**Theresa Iacone**  
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**Table 3-1.** Industrial Discharges to the Quinnipiac and One of Its Tributaries.

	<b>Permit</b>	<b>Type</b>	<b>Expires</b>	<b>Notes</b>
QUINNIPAC RIVER	Allegheny Ludlum Corp., Wallingford	iron & steel mfg.	06/25/2014	<ul style="list-style-type: none"> <li>• Major NPDES permit</li> <li>• Business has ceased to operate</li> </ul>
	NUCOR Steel Connecticut Inc., Wallingford	iron & steel mfg.	12/29/2014	
MUDDY RIVER	Pharmacia & Upjohn Co., North Haven	remediation	01/07/2015	
	Meriden Municipal Landfill, Wallingford	remediation	09/02/2015	
	Cytec Industries, Wallingford	organic chemical, plastics and synthetic fibers	05/16/2016	<ul style="list-style-type: none"> <li>• Major NPDES permit</li> </ul>
	United Aluminum Corp., North Haven	cooling water	06/21/2017	<ul style="list-style-type: none"> <li>• Discharges to Muddy River</li> </ul>

Source: CT DEEP

**Excerpt from Cytec Industries permit is found in Appendix 3.**

### Trend: Industrial Discharges Have Declined

The Quinnipiac has greatly recovered from historical use as a waste receiving stream. Over the last 100 years, industrial discharges have declined from 71 businesses to only six in 2014 (**Figure 3-1**). Heavy loads of toxic metals were discharged from the 1840's through the 1950's, settling into sediments at locations where the river slowed down such as lakes, ponds and marshes.

In those 100 years, public pressure led to new laws and regulations which have increasingly strengthened permit requirements for the remaining permit holders. For example, current permits require applicants to determine the effect of their treated discharge on aquatic life.

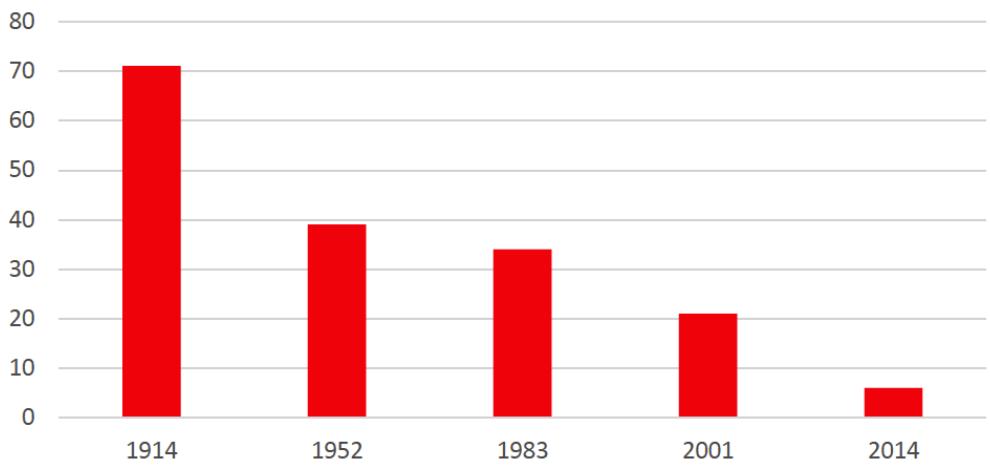
### Overview of the Remaining Three Chemical Discharge Permits

#### Allegheny Ludlum

This industrial discharge permit holder in Wallingford has ceased operating and was for sale in 2014. Allegheny Ludlum has an expiring permit that requires:

- Best available technology for control of metals, pH
- Case-by-case control of temperature
- Consistency with CT water quality standards
- Evaluation for consistency with aquatic life criteria and human health (fish consumption)

## Decline of Industrial Discharge Permits on the Quinnipiac River, 1914-2014



**Figure 3-1.** Decline of Industrial Discharge Permits to the Quinnipiac River, 1914-2014. (Tyrrell, 2001, updated by MRWA)

CT DEEP had previously issued Allegheny Ludlum a penalty for a thermal violation. The violation was that the discharge was too warm for aquatic life.

### Nucor Steel Connecticut, Inc.

This permit holder, also in Wallingford, received a modification to their 2009 discharge permit in 2011. CT DEEP agreed that parts-cleaning wastewater may be removed from the wastewaters description. The language now reads “Treated contact cooling water blowdown from steel manufacturing mixed with stormwater and Quality Assurance grinding wastewaters”.

### Cytec Industries

Another Wallingford firm, Cytec, is permit holder for the most significant remaining industrial discharge to the Quinnipiac River. Evonik Cyro LLC (“Cyro”), a thermoplastic resin manufacturer, also operates at the Cytec site. Cyro discharges its wastewaters into Cytec’s wastewater collection/treatment system.

This is a complex permit with many separate discharges, including Number 001-1 with a long list of chemical parameters, 001-B for treated domestic sewage (permit includes monitoring of bacteria), 000-E for handling contaminated groundwater from an

historic acrylonitrile spill, 000-F for regulating Cytec’s landfill leachate, and 001-G, I and H governing Cyro’s wastewaters. Cytec has its own POTW and is required to work with a consultant to achieve compliance with phosphorus limitations, just as the municipal POTW’s must do. In the last permit granted in May 2011, Cytec was required to relocate one outfall from a small, unnamed tributary to the much larger Quinnipiac River.

Cytec’s effluent must be tested on aquatic invertebrates to prove that at least 90% of the organisms can survive, per US EPA protocol. Results are reported to CT DEEP’s Bureau of Water Protection and Land Reuse. If Cytec fails the toxicity test, they must retest. If a second test produces a failing grade, the company must take all reasonable steps to eliminate toxicity and submit proposed steps to DEEP. The permit holder must eliminate or prevent spills, and evaluate how technology will achieve compliance, including reporting the cost of implementing the technology.

Annual sampling under the permit must occur during August, the month of greatest stress to the river’s aquatic life. The discharge must not raise the river’s temperature above 85 degrees F nor more than 4 degrees F to protect the aquatic life. Cytec treats for bacteria from May 1 to Oct. 1.

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**ACTION:** River advocates who wish to strengthen industrial NPDES permits need to participate in the public comment period which opens only once every 5 or 10 years for each facility. This window is the time for river advocates to comment on the recreational, fishing and human contact impacts of these discharges to the river, and to recommend CT DEEP impose additional requirements of the permit holder to reduce impairments. For example, paddlers might request a longer chlorination season if they are on the river before May 1 or after October 1st.

There are two ways to follow NPDES permits: all NPDES are listed on the US EPA website; and CT DEEP has a link on their website for signing up to receive public notices. This listserve will notify advocates that a permit issuance is pending.

A public comment period follows CT DEEP's notice of intent to issue a specific permit. The public may request a formal hearing by submitting 25 signatures. Whether CT DEEP holds a hearing or not, this notice of intent to issue a permit is the time for advocates to put comments on the record. Advocates might press CT DEEP to deny, strengthen, or allow the permit to go forward.

Allegheny Ludlum has closed its production and the site's future is unclear, but their NPDES permit was still in review as of June 2014. NUCOR Steel's permit expired in December 2014. The most significant industrial permit on the Quinnipiac today is Cytec Industries, which expires in May 2016. Advocates should begin to review this permit in mid-2015 to determine how to strengthen it using best practices.

### **3.1.1.2 Federal Superfund Permit-Solvents Recovery (no expiration date)**

In addition to the six NPDES permits with 5-10 year timetables, there is one federal discharge permit on the Quinnipiac. The discharge emanates from a cleanup which operates under EPA order. Solvents Recovery was a recycler of used industrial chemicals in Southington. Modern technology that could detect small amounts of pollutants revealed that solvents were migrating from the site and pulled by pumping action into public drinking water wells. The discovery required the shutdown of three of six municipal water supply wells in Southington. A filtering facility will need to treat groundwater for decades to remove solvents which are hazardous to human health.

Solvents Recovery is one of only 2 SRD (Substantive Requirements Document) sites in Connecticut. This federal permit is similar to an NPDES permit, but does not expire.

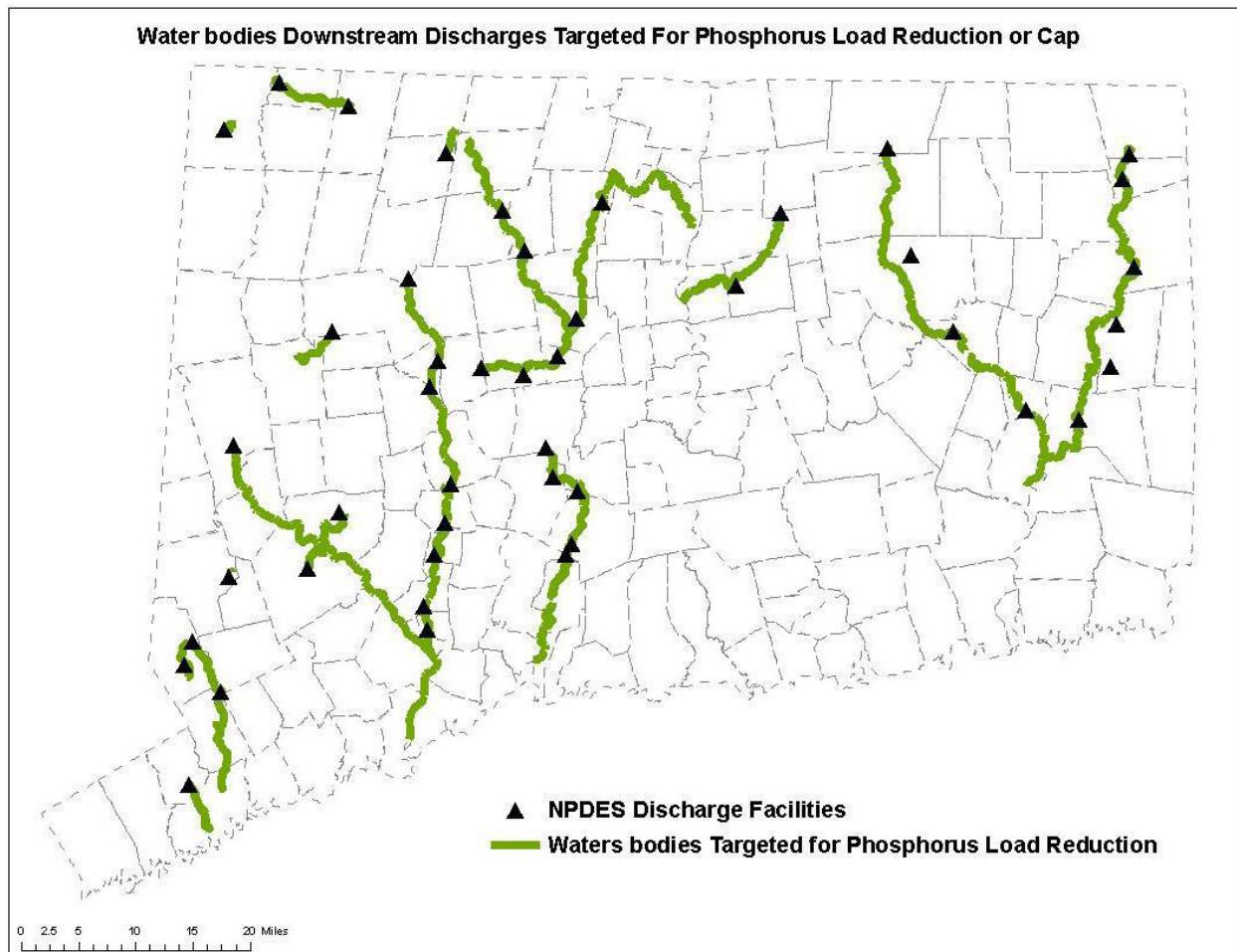
**ACTION:** As the Solvents Recovery permit does not expire, river advocates' options are limited to periodically inspecting data from the treatment facility, available at CT DEEP, to ensure compliance.

## **3.1.2 Municipal Discharges**

### **3.1.2.1 Municipal Publicly Owned Treatment Works (POTW, or wastewater treatment plants) (5 year duration)**

Municipalities collect, through sanitary sewer systems, treat and discharge sewage and other wastewaters at five Publicly Owned Treatment Works (POTW's, or sewage treatment plants) and one industrially-owned treatment plant along the Quinnipiac. There are no POTW's along the Mill or West Rivers due to the historic decision to designate the Quinnipiac as the waste-receiving stream for the region. West Haven, which shares the West River watershed, and New Haven operate POTW's which discharge treated effluent to New Haven Harbor.

CT DEEP requires pre-treatment of all waste waters except for domestic sewage, or CT DEEP regulates them under the POTW's permit. CT Dept. Of Public Health, rather than CT DEEP, regulates



**Figure 3-2.** Publicly Owned Treatment Works (POTW's) holding NPDES discharge permits are linked to high phosphorus loads which increase as one moves downstream (CT DEEP). The Quinnipiac River in South Central Connecticut is a targeted river. (CT DEEP, 2012)

domestic sewage hauled directly to a POTW (for example, septic tank waste water hauled by truck).

The pollutant loads to the Quinnipiac River from the municipal treatment plants are significant. While POTW's have vastly improved the removal of bacteria and suspended solids, two nutrients--nitrogen and phosphorus--are still abundant and are responsible for over-fertilization of the Quinnipiac and Long Island Sound. These fertilizers encourage excessive algae growth which depletes oxygen when the plants decay at the end of the growing season. They also encourage a species of blue-green algae which is toxic. POTW discharges are the top source of phosphorus in waste-receiving streams such as the Quinnipiac River (**Table 3-2, Figure 3-2**).

### Status of permits for POTW's

Three POTW permits are pending and offer opportunity for public comment by river and estuary advocates. The updated CT DEEP website shows treatment plants using the ARC GIS mapping tool. ARC GIS allows users to link a point on the map to the permit and apply additional map layers—for example, to compare treatment plant locations with risks depicted by the hurricane surge inundation map.

POTW's have steadily improved waste water treatment since enactment of the Clean Water Act. But they are still the largest dischargers of phosphorus, one of four pollutants that place the Quinnipiac River on the “impaired waters” list for recreation and river health.

**Table 3-2.** Contribution of pollutant load to the Quinnipiac in 2013 by municipal waste water treatment plants.

Pollutant	Attributed to municipal POTW's
Nitrogen	25%
<b>Phosphorus</b>	<b>75%</b>
Suspended Solids	<1%
Fecal coliform (bacteria)	<1%

(Fuss and O'Neill)

Phosphorus is not an issue in tidal areas as it mainly affects freshwater algae growth (**Table 3-3**).

### Strengthening POTW Permits

At first, proposed phosphorus limits were easier to meet. For example, Meriden was required to meet a 0.7 mg/l phosphorus limit. US EPA did not accept the proposed limit as the federal agency believes a more aggressive limit will be necessary to stop the excessive nutrient problem. EPA now requires an “interim” strategy for phosphorus removal by Meriden to reach the goal of 0.1 mg/l.

Following vigorous municipal objection, DEEP allowed municipalities more time to reduce their phosphorus. An interim standard of 0.2 mg/l for Southington, Cheshire and Wallingford and 0.1 mg/l for



**Figure 3-3.** A Publicly Owned Treatment Works (POTW) on the Quinnipiac at Wallingford accepts incoming sewage and treats the waste to reduce pollution loads to the river. (Photo: Mary Mushinsky)

**Table 3-3.** Status of Permits for Municipal POTW's on Quinnipiac River and New Haven Harbor.

Municipality	POTW Permit Status	Notes
Southington	issued	interim phosphorus standard
Cheshire	issued	interim phosphorus standard
Meriden	issued	interim phosphorus standard
Wallingford	issued	interim phosphorus standard
North Haven	pending	tidal; phosphorus not an issue
New Haven	pending	in design for expansion; opponents prefer green infrastructure
West Haven	pending	subject to EPA action; discharges to New Haven Harbor

Source: CT DEEP, 2013-14

Meriden and Cytec will force partial removal of phosphorus in the first 5 years. One municipality, Cheshire, is experimenting with technology to reach a higher level of phosphorus removal in an effort to meet the more stringent requirement. US EPA and CT DEEP believe the interim standard will not be enough to restore water quality, and the agency will likely tighten the standard at the next 5-year permit renewal. The municipalities and DEEP are continuing to meet on the issue as directed by the legislature.

It is possible to further clean municipal waste water by enhanced primary treatment (EPT), UV disinfection, and further nutrient removal. Paddlers can request a longer period of chlorination or ultraviolet treatment to use the river safely in April and October. Ultraviolet disinfection eliminates the potential toxicity of chemical disinfection by chlorine. The City of Waterbury improved effluent quality to the Naugatuck River to create higher water quality for cold season boaters and fish restoration.

Another approach to improving water quality is source reduction before waste reaches POTW's. Local ordinances and building codes could reduce what residents flush—for example, by removing in-sink garbage disposal units.

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**ACTION:** When considering urban waste-receiving rivers, which are already heavily stressed, it is clear POTW permits must be strengthened at every renewal in order to solve impairment. In summer, fully one-half of the Quinnipiac River's flow is treated wastewater. River advocates can participate in the 5-year renewal of POTW (municipal waste treatment plant) permits. They can demand additional phosphorus removal, removal of pharmaceuticals, and chlorination of effluent throughout the months of aquatic recreation and human contact (April through October).

### 3.1.2.2 Combined Sewer Overflows (CSO's): An Old Sanitary System Impairs the lower Quinnipiac, Mill and West Rivers

New Haven, the major city in the South Central Connecticut region, has its own historic discharge problem that negatively affects water quality. The city's old storm

sewer design is an artifact: it combines street runoff and sewage, taking both together to the treatment plant. During rain storms, the capacity of pipes is overwhelmed and untreated wastewater flows to rivers. This design originally served to collect and remove sewage and horse manure to the rivers before the advent of the automobile and waste treatment plants, and is shared by other old cities. It served to prevent sewage backups into peoples' residences and businesses.

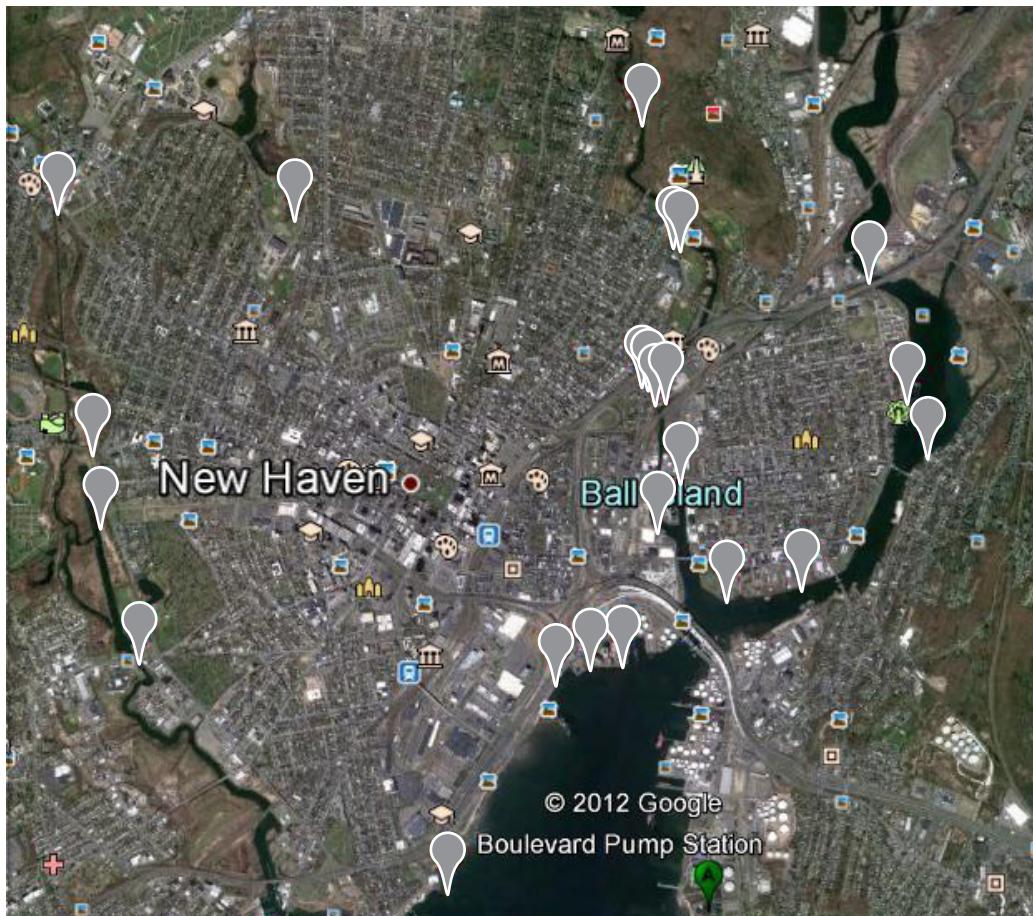
### Split Ownership Hinders CSO Solution

One political problem unique to New Haven is an obstacle to solving the city's CSO pollution problem. In New Haven, the water drainage and treatment systems are owned by two different entities. The City of New Haven owns the storm drains, while the

Greater New Haven Water Pollution Control Authority (GNHWPCA), a regional organization of several municipalities, owns the treatment plant. Other old cities in CT are responsible for both components, simplifying the solution.

However, CSO separation has begun in New Haven. Of 18 CSO's, 4 have been closed, and 50 acres of combined pipes have been separated. Greater New Haven Pollution Control Authority is promoting green redevelopment , and has reduced CSO discharge events by 7 per year. Projects seek to detain the first two inches of rainfall to avoid overloading the system.

The GNHWPCA has a single permit for its 18 CSO's, which are listed as individual discharge locations (**Figure 3-4**). According to CT DEEP, the CSO outfalls today are an "escape valve" to prevent washout of



**Figure 3-4.** Map of CSO discharge points in New Haven on the West, Mill and Quinnipiac Rivers and New Haven Harbor in Long Island Sound. (Greater New Haven Water Pollution Control Authority; Google)

the activated biological sludge that provides treatment at the plant. Washout would occur during a heavy rain if flows in excess of the plant's design capacity entered the plant. Today CSO's are a persistent obstacle to cleaning up water pollution, as street contaminants mixed with raw sewage reach the Quinnipiac, Mill and West Rivers and Long Island Sound approximately 50 times per year on rainy days.

CSO discharges occur when the combined volume of stormwater and wastewater exceeds the total system capacity. The median storm in the area is approximately 0.15 inches of rain, so the critical depth of rain that causes CSO discharge is assumed to be 0.1 inches (Fuss & O'Neill).

CT DEEP has been increasing monitoring and reporting requirements for CSO's as permits are renewed.

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**ACTION:** Advocates can follow upgrades and information on current CSO permit requirements and locate individual CSO's by using the interactive tool on the CT DEEP website. They can help reduce the incidence of overflows by encouraging residents in combined sewer areas to disconnect roof leaders (drain spouts) and use green infrastructure techniques to allow rainwater to filter through the soil on the parcel rather than leaving the property in pipes.

## Green Infrastructure

In less developed parts of the state, soil and trees filter water that fell as rain or snow and gradually release it to replenish rivers and streams. It is possible to imitate this natural process by using green infrastructure design. The permit renewal for New Haven's waste water treatment plant is pending in 2015. Some activists in New Haven are advocating green infrastructure to reduce the CSO impacts instead of investing all project funds to enlarge capacity at the waste water treatment plant. Green infrastructure means the use of alternative landscaping and building design to hold rain water onsite longer and allow it to filter through

the soil, avoiding a storm-generated surge of dirty water that overwhelms the treatment plant.

Under federal and state law, a \$10 million waste water treatment project can dedicate up to 3% for green infrastructure.

### **3.1.3 General Wastewater Permits**

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**General Permits** (GP) are group-type permits issued to authorize minor activities by multiple applicants in the same class, for example, nitrogen control by all POTW's. The following General Permits affect water quality; their renewal is an opportunity to strengthen best practices for all permit holders in the same class:

#### **3.1.3.1 Water Treatment GP (expires 3/29/2015)**

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A general permit regulates discharge of total nitrogen from publicly owned treatment works (POTW's). This general permit regulates the discharge of total nitrogen from 79 Publicly Owned Treatment Works (POTW) in Connecticut. These facilities, in aggregate, were required to reduce the annual loading of total nitrogen to Long Island Sound by approximately 64% by 2014 in order to achieve the final, established wasteload allocation. Currently, Wallingford and North Haven POTW's do not meet nitrogen goals (Fuss and O'Neill).

#### **3.1.3.2 Domestic Sewage GP (expires 10/8/22)**

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This general permit applies to discharges of domestic sewage from a community sewerage system to a POTW. Registration is required for discharges from a community sewerage system. Privately owned "community sewerage systems" (such as those at condominiums) are to be properly managed and have a valid community sewerage system agreement with the municipality receiving the discharge.

#### **3.1.3.3 Vehicle Maintenance Wastewater GP (expires 1/23/22)**

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This general permit applies to wastewater generated by 1) floor washing and incidental dripping from vehicles as a result of routine servicing operations and 2) washing of vehicle exteriors or steam cleaning of engines.

Wastewater must discharge either through a sanitary sewer to a POTW, or to a holding tank that meets the requirements of the general permit, from which holding tank the wastewater is transported to a POTW.

### **3.1.4 Non-Point Source Pollution: Stormwater Permits**

As an urbanized region, South Central Connecticut is heavily impacted by this pollution type. Pollution not from a pipe, or “non-point source” pollution, reaches South Central CT rivers and streams when rain or snow carries contaminants from urban and suburban landscapes to the nearest waterway (**Figure 3-5**). Non-point source pollution is responsible for 3 out of 4 pollution types that caused South Central CT’s rivers to land on the federal “impaired waters” list (**Table 3-4**). Examples of non-point sources are septic systems, agricultural waste management systems, pet waste, lawn fertilizers and landfills.

In one New Hampshire study, pet waste was the second largest contributor to local water pollution. Because these pollutants arrive in rivers by rain or snow, concentrations spike after a heavy rain or snowmelt.

#### **3.1.4.1 Reducing Pollution From Non-Point Sources**

Certain land use practices in cities and suburbs contribute to water pollution (**Figure 3-6**). They include:

- Illicit discharges
- Septic systems

- Managed turf and lawns
- Road sanding
- Irresponsible pet ownership

As noted above, 3 of the 4 pollutants responsible for the impaired classification of the Quinnipiac are reaching the river from non-point sources. Until recently, CT DEEP’s strategy, adapted from EPA, had been to regulate these pollutants through use of TMDL surrogate measurements. TMDL’s (Total Maximum Daily Load) figures are a measurement of the maximum pollutant loading a river can handle without exceeding the water quality criteria.

EPA and CT DEEP water quality regulators had relied on calculating TMDL’s to determine to what extent a pollutant carrier, such as sediment, must be reduced to reach clean water standards. But in 2003 the U.S. District Court for the Eastern District of Virginia ruled that EPA could not regulate surrogates such as sediment in lieu of pollutants. Aware of this court decision, CT DEEP is reducing emphasis on certain TMDL’s which may not be supportable as an enforcement measure. Instead, the agency will rely on instituting best practices to reduce the remaining pollutants. CT DEEP is now concentrating on inserting best practices into General Permits such as MS4 permits at the municipal level and incorporating low impact development (LID) into stormwater General Permits.

**Table 3-4.** Amount of Quinnipiac pollutants attributable in 2013 to non-point sources (landscape-generated) and pollutant sources other than treatment plants.

Pollutant	Attributed to non-point sources and non-treatment plants
Nitrogen	74%
Phosphorus	25%
Suspended Solids	99%
Fecal coliform (bacteria)	Nearly 100%

(Fuss and O’Neill)



**Figure 3-5.** The beach is empty at Wharton Brook State Park, Wallingford/North Haven, on July 18, 2014. The park's swimming area shows unsafe levels of bacteria after a heavy rain. (*Photo: Mary Mushinsky*)

### **3.1.4.2 Best Practices to Clean Stormwater**

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Because 3 out of 4 pollutants that impair water quality on the Quinnipiac reach the river mainly through stormwater runoff, it is clear that decision makers will need to change existing land use practices in order to remove rivers from the “impaired waters” list. The following best practices have been proven to reduce water pollution from runoff:

- 1)** Detect and repair illicit discharges
- 2)** Manage pet waste
- 3)** Restore vegetative buffers along streams and rivers
- 4)** Install green infrastructure
- 5)** Frequently clean streets and storm drains



**Figure 3-6.** Urban and suburban landscape practices include conveying stormwater into storm drains, bringing pet waste, lawn care products, oils and other contaminants directly into the nearest stream. These are all examples of non-point source (runoff) pollution. (*Photo: Mary Mushinsky*)

CT DEEP updated the non-point source management program plan for US EPA in 2014. Using the Fuss and O'Neill engineering firm to gather alternative strategies from other jurisdictions, CT DEEP is focusing on the most cost-effective measures. These measures could form the basis of new state policy and a model municipal ordinance to reduce water pollution. Basic concepts could include:

- Understanding the impact of growth on water resources
- Financial incentives to promote sustainable growth
- Working with the State's comprehensive plan
- More effective allocation of sewer service
- Integration of water resource planning with drinking water, waste water, stormwater and fire protection
- Management of transportation impacts, including changes to deicing roads and reducing the oxygen demand of organic treatments
- Promotion of technical transfer
- Establishing a zero runoff policy ("no net increase")
- Establishing an impervious cover policy ("no increased impervious cover")

### ***3.1.4.3 Regulating Pollution from Runoff***

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Because non-point (landscape-generated) pollution in the form of nitrogen, suspended solids, bacteria and to a lesser extent, phosphorus, is the most significant pollution source in urbanized South Central Connecticut, CT DEEP regulates non-point sources of water pollution through stormwater general permits. These are applied to industry, commercial businesses, construction sites, and municipalities. All four of these categories of stormwater permits affect the rivers of South Central Connecticut.

In Connecticut, stormwater runoff from urbanized areas and construction activities are two of the most significant sources of nonpoint source pollution. Unless regulated, these pollutants will continue to negatively affect contact recreation such as swimming as well as aquatic life support.

There are 3,219 entries on the stormwater permits list of October 2013 statewide; about 1/3 or

approximately 1,073 are in South Central Connecticut (**Appendix 5**).

#### ***3.1.4.4 General Permits for Stormwater Runoff***

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General Permits (GP) are issued to authorize minor activities by multiple applicants in the same class. Some require certification of a professional engineer. Some require DEEP approval and contain site specific conditions. To reduce pollution from stormwater runoff, CT DEEP has devised the following General Permits and created best practices for each category: general stormwater –industrial; general stormwater-- commercial; general stormwater—construction; and municipal separate storm sewer system ("MS4").

##### ***3.1.4.4.1 General Stormwater Industrial (GSI)***

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Industrial stormwater permits became General Permits on Oct 10, 2013. They cover materials management on the site and compliance assurance.

CT DEEP issues NPDES-type General Permits with a five year lifespan to CT industries and municipalities. Certain industries may have a stormwater permit without a discharge permit. For example, junk-yards must follow stormwater requirements to avoid releasing contaminants from materials stored on their premises, but do not have a discharge permit as they do not release effluent from a pipe.

Industrial stormwater permits have been in place since October 1, 2011. All expire Sept 30, 2016. The comment period is now closed. Only new registrations will have their own comment period. The next open public comment period will be May 2016. CT DEEP chose the more complex federal version of industrial stormwater permits rather than a simplified permit due to a lawsuit against the agency.

The general stormwater industrial permits list includes 1,431 statewide of which about 1/3 (approximately 477) are in the South Central Connecticut basin. Most industrial stormwater permits were issued October 1, 2011; some are newer. While many are industries, these GSI permits also cover municipalities' public works garages and transfer stations. In South Central Connecticut, the towns of Cheshire, Meriden, Hamden, North Haven, New Haven, Plainville,

Prospect Southington, Wallingford and Wolcott are GSI permit holders.

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**ACTION:** Strengthening a General Permit is an opportunity to upgrade hundreds of permit holders simultaneously. The industrial stormwater General Permit renewal in late spring 2016 is the next chance for river advocates to argue for best practices for the entire class.

To assist river advocates, CT DEEP should reformat their GSI data entry to include watershed basin codes in stormwater permit data sheets. Advocates can then target their local river or stream basin for water quality improvement. It is difficult for river advocates to track the impact of general permits on a particular watershed because the CT DEEP database does not group GSI permits by watershed.

#### **3.1.4.4.2 General Stormwater Commercial**

Commercial activities stormwater permits are unique to Connecticut. They require operators of large, paved sites (5 acres or more) such as malls, theatres and supermarkets to sweep parking lots and clean catch basins to keep stormwater clean. Approximately 51 commercial permittees are in South Central Connecticut watershed. Commercial activities permits were reissued Sept. 30, 2014 and are good for three years.

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**ACTION:** The next opportunity for river advocates to tighten commercial activity permits

will be 2017. Commercial activities best practices include: regular sweeping, oil and sediment control, staff training, preventing dumpster leakage, and other “good house-keeping” steps.

#### **3.1.4.4.3 General Stormwater Construction**

Construction permits apply to discharges of stormwater from dewatering sediment or from development disturbances of one or more acres of land. These are a General Permit for locally approvable projects. Locally exempt construction projects disturbing over 1 acre of land must submit a registration and stormwater pollution control plan to CT DEEP.

Locally approvable projects between 1 and 5 acres are exempt from registration if a plan has been approved by the municipality and follows soil erosion and sediment control regulations. Locally approvable projects with 5+ acres disturbed area must submit a registration to DEEP. This registration must include certification by a qualified professional or regional conservation district expert who reviewed the pollution control plan and deemed it consistent.

CT DEEP has rewritten construction permits. They became effective October 1, 2013. As General Permits, construction permits will be reissued every five years (the next reissue will be Sept. 30, 2018). Approximately 109 construction permittees are in South Central Connecticut watersheds.

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**ACTION:** Each five-year update is an opportunity for river advocates to improve construction permits for an entire class of permit holders by recommending best practices. The next opportunity for strengthening construction permits is 2018. Construction best practices to reduce water pollution include: developing and maintaining a stormwater pollution control plan, phased disturbance of the land, and Low

*Impact Development (LID) design. In addition, river advocates should pay close attention to local development sites to ensure developers are taking action to keep sediment from leaving the site. If not, advocates should alert local land use authorities.*

#### **3.1.4.4.4 Municipal Separate Storm Sewer System ("MS4") GP**

The Municipal Separate Storm Sewer System General Permit is more commonly known by the shorthand "MS4". Most towns in the South Central Connecticut region objected in Sept. 2014 to CT DEEP's efforts to strengthen MS4 from a simple reporting document to a permit with specific water pollution cleanup requirements. Facing strong municipal opposition, permits due to expire on January 8, 2015 were instead continued to January 8, 2016. The agency will likely issue a new proposal, perhaps with a more generous timetable and priorities for the municipalities.

The MS4 permit affects all 14 municipalities in the three watersheds of South Central Connecticut with separate storm sewer systems, identified by the presence of storm drains in the street. If there is no resolution of this municipal stormwater permit dispute through engineering, cost sharing or negotiated timetable for compliance, water quality in rivers and Long Island Sound will continue to be impaired.

This General Permit includes measures each town must take to reduce or eliminate discharge of pollutants to the town's storm sewers, which have no filters and send polluted water to the nearest river. In South Central Connecticut, all municipalities use storm sewers in their roads and parking lots, including New Haven, in part. CT DEEP seeks to eventually include all municipalities in the state in the MS4 permit, even rural towns, as all stormwater sooner or later enters Long Island Sound.

Each town's MS4 program must include **six minimum control measures:**

- 1.** Public education and outreach—to residents, businesses and industries
- 2.** Public participation—to civic organizations and environmental groups
- 3.** Detection and elimination of illicit

discharges—including mapping outfalls and passing an ordinance

- 4.** Runoff control at construction sites—erosion and sedimentation regulations
- 5.** Stormwater management post-construction—develop ordinance, promote Low Impact Development, ensure operations and maintenance
- 6.** Pollution prevention and good housekeeping—sweeping, cleaning, employee training and evaluation for upgrade and repair

Municipalities must send in a progress report to CT DEEP each January on their stormwater management plan. In addition, municipalities must sample to find illicit discharges, test at least 6 outfalls in wet weather, or create and carry out an alternative sampling plan. Municipalities believe the six control measures are too costly. All MS4 permits were extended one year on Jan. 8, 2015 to allow the agency more time to craft a new proposal.

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**ACTION:** *To improve water quality in the Quinnipiac, river advocates must target municipalities with the largest percentage of their land acreage lying within the Quinnipiac River watershed, beginning with North Haven, Southington and Wallingford. These targeted municipalities should require best practices to reduce water pollution.*

*As MS4 permits have been extended one year, there is an opportunity in 2015 for river advocates to speak up for their urban rivers and argue for the most cost-effective steps to start reducing bacteria and other stormwater pollutants. Support for MS4 pollution controls has been small and quiet; opposition has been large and vocal. River advocates must speak for rivers, reminding regulators that polluted stormwater is a major cause of urban river impairment. Advocates can also argue for the inclusion of low impact development (LID) in municipal stormwater general permits.*

*Advocates should also check if municipalities have submitted their annual stormwater management plan, and the extent of their success in meeting the six water pollution control measures.*

#### **3.1.4.5 Cost-Effective Measures**

The Center for Watershed Protection in Maryland has ranked and recommended the best management practices with the highest cost-effectiveness as a replacement for the previous TMDL surrogates regulatory tool.

The Center found that **control of pet waste, illicit discharge detection and elimination**, and

**urban streambank restoration** produced cleaner water at the most affordable cost.

#### **3.1.4.6 Pioneering Municipalities in CT**

##### **Greenwich, Wilton, Cheshire and Tolland**

Two CT municipalities, Greenwich and Wilton, have established planning and zoning permits that protect water locally. The towns of Cheshire and Tolland have created models of infiltration, to recharge underground water resources, as their residents still depend on wells. Land use researcher Mike Dietz of UConn is evaluating new development technologies such as pervious (flow-through) surfaces to overcome skepticism by some towns about the value of technological changes. Dietz is



**Figure 3-7.** A newly built rain garden in Southington captures, cleans and returns rainwater to replenish underground supplies in a project by CT Fund for the Environment/Save the Sound. (Photo: Mary Mushinsky)

examining how to install these surfaces and is working to solve the problem of chlorides (salts) breaking down the surface.

Many municipalities in South Central CT are already heavily developed. In cases of previous development, retrofit techniques can include improving infiltration upstream, in the headwaters of rivers and streams, in order to recharge and store water. Two techniques are adding grassy swales to collect and recharge water resources, and changing mowing practices to leave grass higher or mow less frequently.

Municipal staff and regulatory officials can study best practices at their local conservation district, USDA NRCS, or CT DEEP wetlands workshops. One best practice most effective at the municipal level is septic

system maintenance. Ideally, septic systems should be repaired at the time of property transfer. Towns should avoid new sewers whenever possible and identify those areas where septic systems are near the water table.

### **Wallingford**

Erin O'Hare, Wallingford's environmental planner, worked with restaurant Chick-Fil-A in 2014 at a commercial site formerly occupied by Midas Muffler and fully paved. The restaurant site plan now follows Low Impact Development principles—curbless, with a grassy swale collecting and filtering runoff water. In Wallingford, the Inland Wetlands and Watercourses Commission reviews the stormwater plan if the site is more than 20,000 square feet. If less, this review is the purview of the Planning and Zoning Commission.



**Figure 3-8.** A low-impact development (LID) uses landscape features like grassy swales instead of storm drains to collect and filter water on a rainy day. This design greatly reduces water pollution and recharges underground water supplies. (*University of Connecticut*)

## Southington

The CT Fund for the Environment/Save the Sound and CT DEEP are working with the Town of Southington to add **rain gardens** to residential and institutional lots that will capture runoff that previously ran into storm drains. The runoff is redirected into planted gardens that also function as filters. These rain gardens store water temporarily during a storm and slowly release it to the ground, mimicking the storage and filtration found in natural wetlands.

**ACTION:** To improve water quality in the Quinnipiac, river advocates must target municipalities with the largest percentage of their land acreage lying within the Quinnipiac River watershed, beginning with North Haven, Southington and Wallingford. These targeted municipalities should require best practices to reduce water pollution.

All river advocates should support strengthening MS4 and stormwater general permits when they come up for renewal as a class (extended to Jan. 2016). Low Impact

*Development (LID) is a proven technique for reducing polluted runoff from residential, commercial, industrial and governmental sites. River advocates should participate in and support the most cost-effective best practices, including pet waste control, correction of illicit discharges, and urban streambank restoration, as determined by the CT DEEP consultant's review of other jurisdictions.*

*CT DEEP can help river advocates target restoration of water quality by organizing stormwater permits into watershed basins. Permit application forms should include an entry for basin codes to allow CT DEEP and river advocates to introduce best practices into a single basin. In this manner, one basin at a time can be improved, and then removed from the impaired waters list.*



**Figure 3-9.** Low impact development (LID) on a dry day. This neighborhood does not need storm drains and rain filters through the soil to recharge local water supplies. (University of Connecticut)

## 3.2 Diversion Permits: Do South Central CT Rivers Have Enough Water?

### Diversion Permits and Registrations

In addition to pollution, rivers are also harmed by reduced water quantity. Urban river systems like the Quinnipiac, Mill and West Rivers are heavily tapped to satisfy competing demands for water. CT DEEP regulates the amount of water that can be removed through diversion permits. However, the state law that regulates water removal, the Water Diversion Act of 1982, exempted water diversions that existed at that time, unknowingly exempting the majority of the flow in certain rivers, including the Quinnipiac. These pre-1982 diversions, mainly by water utilities, were granted non-expiring, non-renewal status as registered diversions, and are, effectively, permanent giveaways of water under the 1982 law. Today, these original registrations

can only be modified to meet requirements of the state's Streamflow Law of 2005, which protects rivers and streams from going completely dry.

#### Diversion Permits vs. Registrations:

- **Consumptive water diversions** need a permit from CT DEEP and must be renewed
- **Registrations** are water removals that never expire, need no renewal, and don't come up for scrutiny unless for streamflow regulations

In the three rivers of South Central Connecticut, permanent registrations (182) vastly outnumber renewable diversion permits (21).

**Table 3-5.** Active Consumption Use Diversions, Quinnipiac River Watershed (also Wintergreen Brook).

Permit Holder	Site Town	Description	Million Gallons Per Day	Expiration	Status
Bristol	Bristol, New Britain	Interconnection between New Britain, Bristol	0.5	3/15/2017	active
SCCRWA	Cheshire	North Cheshire Well Field, Blacks Rd.	2.8	10/1/1993	continued
SCCRWA	Cheshire, Meriden	Interconnection Cheshire to Meriden	0.5	10/1/1993	continued
Meriden	Meriden	Withdrawal from Bradley Hubbard Reservoir	1.0	6/8/2036	active
Hunter Memorial Golf Course	Meriden	Irrigation pump, pond	0.61	4/10/2035	active
Meriden	Meriden	Platt and Lincoln wells	1.1	10/1/1993	continued
York Hill Trap Rock Quarry	Meriden	Bedrock wells	0.275	3/15/2017	active

(Table continues on following page)

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**Table 3-5.** Active Consumption Use Diversions, Quinnipiac River Watershed (also Wintergreen Brook).

Permit Holder	Site Town	Description	Million Gallons Per Day	Expiration	Status
<b>Yale University (Wintergreen Brook)</b>	New Haven	Withdrawal from ponds for golf course	0.35	6/9/2019	active
<b>United Aluminum Corp.</b>	North Haven	Diversion from wells for non-contact cooling	0.486	4/1/2027	active
<b>Valley Water Systems</b>	Plainville	Johnson Ave. Wells	1.5	12/16/2029	active
<b>Tilcon Connecticut Inc.</b>	Plainville	Unregistered water supply, quarry	0.24	3/15/2017	active
<b>Valley Water Systems</b>	Plainville	Groundwater withdrawal from Woodford Ave. Wellfield	2.17	2/1/2037	active
<b>18 Fore 18, Inc.</b>	Southington	Pump groundwater for turf irrigation, golf course	0.2	11/21/2027	active
<b>Southington</b>	Southington	Dunham Place Wellfield withdrawal	3.0	10/1/1993	continued
<b>Pine Valley Golf Course</b>	Southington	Use of existing pumps for irrigation to golf course	0.248	3/15/2017	active
<b>Tilcon Connecticut Inc.</b>	Southington	Reauthorization for diversion for consumptive use	0.86	3/15/2017	active
<b>Tradition Golf Club</b>	Wallingford	Diversion of surface water	0.3	4/23/2016	active
<b>Wallingford Country Club</b>	Wallingford	Obtain individual diversion permit for existing turf irrigation	0.23	10/15/2034	active
<b>Wallingford</b>	Wallingford	Renewal of permit for public water supply	18.33	5/28/2029	active
<b>Gaylord Hospital</b>	Wallingford	Small water supply	0.15	3/15/2017	active

### 3.2.1 Water Diversion permits

Since 1982, any new user of the state's water resources must apply for a diversion permit in one of 4 categories:

1. regional water authorities
2. municipal water authorities
3. industrial/commercial diversions
4. agricultural diversions

There are 19 water diversion permits on the Quinnipiac River or its tributary streams as of February 2013. There is one diversion permit on Wintergreen Brook, which joins the West River (**Table 3-5**).

The Quinnipiac River tributaries Ten Mile River, Misery Brook and Broad Brook do not have consumptive water diversion permits, but they do have permanent registered withdrawals.

Diversion Permits are either **active** or **continued**. An active diversion permit has already been issued by CT DEEP; public input is not possible until the diversion permit expires. Sixteen of the 20 permits are in active status. Expiration dates are listed; several permits expire in 2016, 2017 or 2019.

Continued permits mean a new diversion permit has not yet been issued; public advocacy is still possible. Four of the 20 permits are in continued status, and public comment is appropriate. Continued permits include the SCCRWA wellfield at Blacks Rd., Cheshire, the SCCRWA Cheshire to Meriden interconnection, City of Meriden's Platt and Lincoln wells, and Town of Southington's Dunham Place wellfield.

Consumptive water diversion permits remove water from the Quinnipiac River and Wintergreen Brook basins as summarized in **Table 3-6**.

West River has no diversion permits, but the adjacent Wintergreen Brook has one, held by the Yale Golf Course. Diversion Permits are found in **Appendix 6**.

The permitted diversions total 32.284 million gallons per day from the Quinnipiac basin and 0.35 million gallons per day from Wintergreen Brook. Public advocacy is possible during the period of a **diversion permit** in continued status. But consumptive diversions represent only part of the removal of river water. The bulk of water removal is already grandfathered in place as **registrations**.

**Table 3-6.** Summary of Consumptive Water Diversion Permits, Quinnipiac Basin and Wintergreen Brook.

Basin	Basin Code	Volume in mg/d	Number of permits
QUINNIPAC WATERSHED	Eight Mile River	0.384	2
	Harbor Brook	1.581	3
	Muddy River	18.816	2
	Quinnipiac River	10.173	9
	Sodom Brook	1.1	1
	Wharton Brook	0.23	2
<b>Total Quinnipiac</b>		<b>32.284</b>	<b>19</b>
Wintergreen Brook	5304	0.35	1

### 3.2.2 Registrations: The bigger diversion problem

Under the category of permanent registrations, most of the water resource has already been given away in the rivers of South Central Connecticut. Registrations are diversions that were grandfathered in perpetuity upon passage of the state's Water Diversion Act in 1982. The extent of the giveaway was not understood by legislators in 1982, as accurate withdrawal data was scarce. Registered withdrawal capacity is the total capacity of the registrant to withdraw water as registered when the law passed, based on one-time data as old as 1914--not on what registrants are actually withdrawing each day.

The registration law did not require registrants to report actual usage, or to report inactivation or transfers if a user goes out of business and no longer needs water.

Unfortunately for river advocates who may want more water in the rivers in summer, eleven basins already have permanent registrations in South Central Connecticut. These include the Quinnipiac and its tributary streams, the Mill River, and West River and one of its tributaries (**Table 3-7**).

The table above makes clear the water authorized to be removed from the Quinnipiac basin by permanent

registered withdrawals at the rate of 116.7 million gallons per day is nearly four times greater than the water removed by renewable diversion permit.

Wharton Brook has no registered (grandfathered) registrations. The most significant registered withdrawals from Muddy River/Muddy Brook are by the Wallingford Water Department.

Allegheny Ludlum, Cytec, Kogut Florist, Pell Farm, SCCRWA (North Cheshire Wellfield), and Wallingford Water Department (Oak Street Well) all draw from the Quinnipiac; New Britain Water Company draws from Eight Mile River; Meriden Water Dept. draws from Broad Brook and Sodom Brook; and SCCRWA draws from Ten Mile River. Restoring late summer flow to trout streams such as Muddy River and Eight Mile River will require additional water management and conservation.

Withdrawals from the Mill River appear unusually large at 410 mgd because the greatest registered withdrawals belong to the Quinnipiac Energy LLC's defunct power plant, English Station, located at the mouth of the river (**Table 3-8**). Ideally, unused registrations such as this one should be discontinued and the water returned to meet other needs, which is not possible under current law. The largest registered withdrawals

**Table 3-7.** Permanent Diversion Registrations, Quinnipiac River Watershed  
(per 1982 law).

Basin	Basin Code	Volume in mg/d	Number of Registrations
QUINNIPAC WATERSHED	Broad Brook	5.0	2
	Eight Mile River	9.5088	11
	Harbor Brook	3.8883	15
	Misery Brook	2.8479	2
	Muddy River	22.55	7
	Quinnipiac R. mainstem	53.4702	71
	Sodom Brook	7.17	5
	Ten Mile River	12.2708	11
<b>Total Quinnipiac Registrations</b>		<b>116.706</b>	<b>124</b>

Source: CT DEEP 10/17/13

**Table 3-8.** Permanent Diversion Registrations, Mill River and West River Watersheds  
(per 1982 law)

Basin	Basin Code	Volume in mg/d	Number of Registrations
Mill River/Mill Brook	5302	410.3699	25
Mill R./Mill B. Other than English Station	5302	28.7699	22
West River	5305	36.472	8
Wintergreen Brook	5304	1.08	3
<b>Total Mill and West River Registrations</b>			<b>36</b>

Source: CT DEEP 10/17/13

in actual use are those of South Central CT Regional Water Authority (SCCRWA). Lake Whitney's filtration plant intake removes the largest volume, while wells at Mt. Carmel and Cheshire remove lesser amounts (**refer to Appendix 7 for Registrations**).

At the Mt. Carmel section of Hamden, trout anglers believe that wells are removing too much water at summer low flow time. One way to conserve the water resource is to cease irrigation on golf courses and ask that these sites achieve certification by International Audubon as green golf courses. Sleeping Giant Golf Course would be a candidate for this more sustainable design.

The West River watershed is most heavily impacted by registered withdrawals as SCCRWA fills reservoirs at Lake Watrous and Lake Dawson, as well as additional lakes on Sargeant Brook, a tributary to West River.

Wintergreen Brook, which joins West River, is tapped by small registered withdrawals for agriculture.

CT DEEP contact:

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**ACTION:** Advocates should seek to change the allocation method in registrations to allocate water by apportionment. They should actively participate in streamflow stream classification meetings in 2015 (see Streamflow,

*below) and call for a minimum flow to be set aside for the environment, specific to each river: the Quinnipiac, Mill and West and their tributaries.*

*If the local river or stream basin is too dry in the summer, advocates should seek to retire unused registrations, report unauthorized diversions, and support requirements that users must implement water resource management, conservation and sustainable design.*

### 3.2.3 Streamflow: The CT Law to Maintain Minimum Water Flow for Stream Survival

Under current law, the Streamflow classification process is the only way to modify permanent withdrawal registrations. In 2005, the legislature passed the Streamflow Law, and in 2011 CT DEEP achieved streamflow regulations after a long period of stakeholder negotiations. The law sets up a classification system for rivers and streams, giving more protection in low-flow months (late summer) to certain rivers and streams that provide fish, wildlife and public recreation. CT DEEP has finished classifying streams in the eastern one-third of the state, and will now consider the rivers of South Central CT with their initial draft to be released in summer 2015.

According to CT DEEP:

*The process of classifying the streams and rivers of the State of Connecticut [is] provided for and detailed in Section 26-141b-5 of the Regulations: The proposed stream flow classification of a stream or river segment is based on ecological conditions and human use characteristics, and determines flow management goals and applicable flow standards for that segment. Proposed stream flow classifications were developed using known information on factors indicative of the degree of human alteration of natural stream flow, environmental flow needs and existing and future needs for public water supply.*

## Stream Gages

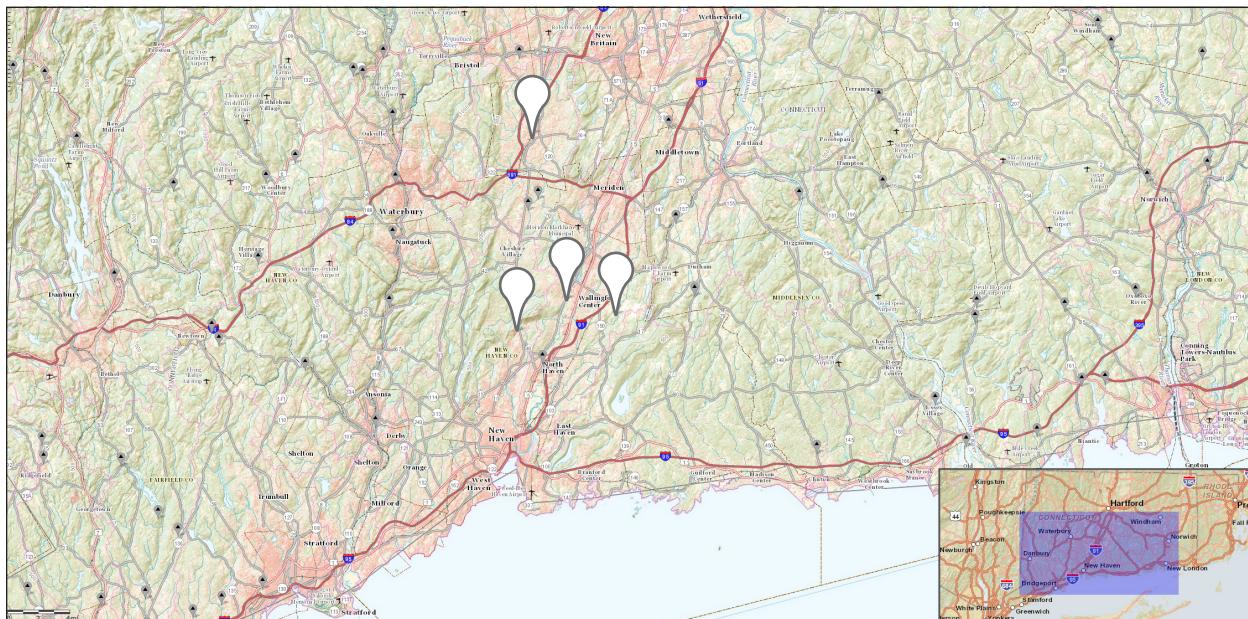
Stream gages are a key tool that advocates can use to measure water flows in streams. There are four United States Geological Service (USGS) gages located in South Central Connecticut (**Figure 3-10, Table 3-9**). The gages measure day to day and year to year changes

in river flow, depth and additional criteria. Anyone can follow these changes on their computer or smart phone. There are also three groundwater observation wells in the watersheds of this report (**Figure 3-11**).

### 3.2.4 Improving Diversion Policy

The state (CT DEEP regulations or state law) could change the allocation method to allocate water by apportionment. A minimum stream flow would be set aside for the environment, enough to support aquatic life. For accuracy, the state could create an instream flow standard specific to each river: the Quinnipiac, Mill and West. Over time, restoration of flow could occur if unused registrations are retired, unauthorized diversions are discontinued or restricted, and users implement water resource management and conservation activities.

**ACTION:** River advocates should comment on the size of the proposed continued diversion if they have observed any impairment to their local river or stream, for example, very low flows in summer that harm fish life or prevent boating or human recreational use. Advocates can observe stream conditions in

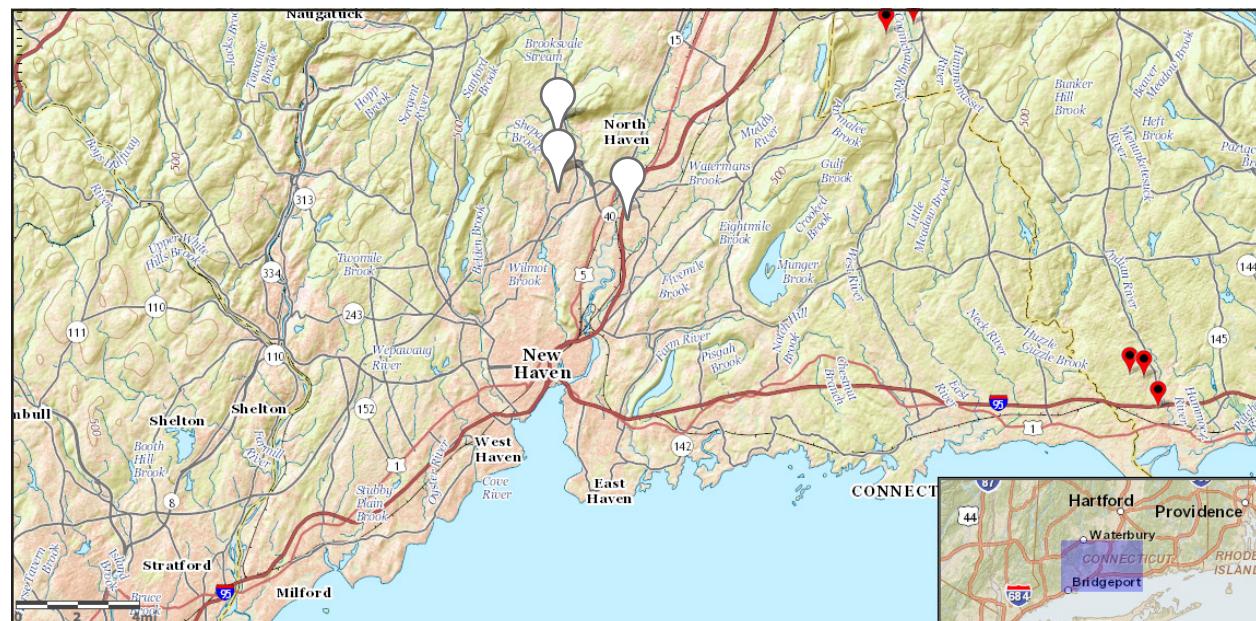


**Figure 3-10.** Stream gages in Connecticut (large markers indicate gages in South Central Connecticut that provide Quinnipiac, Quinnipiac tributary or Mill River data). (USGS)

**Table 3-9.** Stream Gages in South Central Connecticut.

Location	Parameters	Available Years	Drainage Area
Quinnipiac River at Southington	<ul style="list-style-type: none"> <li>• Discharge</li> <li>• Gage height</li> <li>• Precipitation</li> </ul>	1987-present	17.4 sq. mi.
Quinnipiac River at Wallingford	<ul style="list-style-type: none"> <li>• Discharge</li> <li>• Gage height</li> <li>• Precipitation</li> <li>• Water temperature</li> <li>• Specific Conductance</li> <li>• Turbidity</li> <li>• Air temperature</li> </ul>	1930-present	115 sq. mi.
Muddy River at East Wallingford	<ul style="list-style-type: none"> <li>• Discharge</li> <li>• Gage height</li> </ul>	2005-present	8.88 sq. mi.
Mill River at Hamden	<ul style="list-style-type: none"> <li>• Discharge</li> <li>• Gage height</li> </ul>	1968-present	24.5 sq. mi.

Source: USGS



**Figure 3-11.** Groundwater observation wells in Connecticut (large markers indicate wells in South Central Connecticut that provide Quinnipiac, Quinnipiac tributary or Mill River data). (USGS)

*the field and compare what they are seeing to readings on the stream gages. They should record at what gage measurement the stream or river is impaired by low flow and include that information in testimony.*

*Advocates should comment on active diversions when each diversion permit expires. During this window of time, CT DEEP accepts public comments on diversions which may be harmful to fishing, boating, human recreation or other competing needs. This is the appropriate time to seek best practices including leak prevention, water conservation technology, conversion of golf courses to sustainable design, or additional water storage capacity to ensure year-round flows in rivers and streams.*

*In the event of water shortages in certain regions, there are several options to change the law that would add water back into the system. These options include:*

- Pull unused registrations
- Add groundwater to the streamflow regulations
- Require water use reporting for registrants
- Require new subdivisions test groundwater before construction
- Require more accurate water resource planning and mapping
- Convert perpetual registrations to renewable diversions

## Saving a Watershed that is Already Too Dry: Watershed-Specific Allocations

Water quality goals can never be met if there is too little flow in late summer to dilute treated discharges and support aquatic life and recreation. As an example, fully one half of the Quinnipiac's flow in late summer is treated discharge; more clean water would improve fish habitat and recreational paddling. Within a specific watershed, priority water uses such as drinking water storage may already exist, making streamflow goals difficult to reach. Watersheds without upstream storage reservoirs, and small streams and rivers with excessive groundwater withdrawal are difficult cases to find additional water during the summer low flow period. But there are solutions.

Other states (MA, CO) have dealt with this problem by creating watershed-specific allocations that provide for seasonally important environmental needs. Under this system, criteria allow diversions for priority needs but only if the permit holder has implemented conservation measures first. For watersheds (basins) that don't yet meet an instream flow standard, stream experts can set a standard as the goal for eventual restoration. The New England Aquatic Base Flow Policy (USFW 1981) is a temporary method for goal-setting until a Connecticut-specific Aquatic Base Flow Methodology is ready.

Contact:

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**ACTION:** River advocates have an opportunity to comment on the proposed classifications of the streams and rivers of our South Central CT region scheduled for summer 2015. Those who value wildlife and water-based recreation must actively participate in this process, or our region's rivers and streams may be legally deprived of flow in the hottest, driest part of the summer. Advocates must ensure that chronically stressed basins are continuously measured. When flow is approaching critical levels, regulators should restrict or suspend unnecessary withdrawals for consumptive uses (e.g. lawn watering), and conservation measures should be mandatory.

## State Water Policy

As noted above, the state's Water Diversion Law exempted too much of the state's water resources from regulation. In 2014, the legislature passed the framework for a unified state water plan that will synchronize all water data and help the state manage its water resources to meet multiple demands. The plan requires public input and will be completed in 2018.

**ACTION:** To improve river flow in summer, the most critical time of the year, river advocates will need to monitor the creation of the new state water plan from 2014 to 2018. The state's Water Planning Council is the

*multi-agency group that will prepare for the plan. Advocates must monitor and document low flow in their local river, then tell the Water Planning Council and legislators to change policy and law to add water back into the system if their local river or stream is impaired in late summer.*

## Global Warming Impact on Rivers

A worrisome trend is the projected significant increase in CT in the number of days with temperatures over 90 degrees F and more heavy precipitation events, according to climate change models. Since 1970, there has already been a 2 degrees F increase in annual temperature in the Northeast and more frequent and larger precipitation events. These models suggest a greater stress on rivers, streams, wetlands, water supplies and sewer systems in our area within the next 20 years. Water conservation, recharge and storage will become even more critical to keep rivers healthy.

**ACTION:** *Past history as measured by the gages is no longer a reliable indicator of future trends. Advocates should seek additional water storage and conservation steps for Connecticut as part of climate change adaptation.*

## 3.3 Land Use Permits

We have seen in the non-point source pollution section of this report that state regulators no longer depend solely on TMDL modeling to reduce water pollution by regulating surrogates for the most prevalent pollutants. Instead, CT DEEP will promote best practices in stormwater general permits issued to industries, commercial entities, and municipalities that operate storm drain systems. Another way to reduce water pollution from landscape sources is through municipal action to grant local land use permits.

Municipalities of South Central CT have the power to dramatically reduce polluted runoff if they stop illicit discharges, promote pet waste management and require land developers to protect and restore streamside vegetation to achieve quick and cost-effective results. They can also require developers and the municipality itself to use low impact development. For

example, certain key municipalities control the largest percentage of land in the Quinnipiac River watershed; how these municipalities regulate land use will determine if water pollution will diminish or worsen. They include: North Haven; Wallingford; Southington; Meriden; Cheshire; and Plainville. For the Mill River, key municipalities include Cheshire and for the West River, Woodbridge and New Haven.

### 3.3.1 Survey of Municipal Land Use Practices

We interviewed 14 municipalities of South Central CT for this report in 2013 and 2014, using a questionnaire adapted from a statewide August 2013 CT DEEP survey that did not attempt to identify individual municipalities, but merged all responses statewide. Municipalities we interviewed specific to the South Central CT region included Bethany, Bristol, Cheshire, Hamden, Meriden, New Haven, North Haven, Plainville, Prospect, Southington, Wallingford, West Haven, Wolcott and Woodbridge.

We found towns differ in their use of strategies to reduce water pollution and increase filtration through best practices. Some municipalities are aggressive in requiring developers to take steps to protect water quality and quantity, particularly in towns heavily reliant on wells. Others are limited by lack of staff or staff and board training. Some towns are skeptical of certain technical recommendations that are accepted by other communities, for example, rain gardens and pervious (flow-through) pavement.

**Appendix 8** summarizes municipal Low Impact Development (LID) strategies as determined by interviews of town planning officials in the Quinnipiac, Mill and West River Watersheds. The Quinnipiac River Watershed has an updated watershed based plan (2013) which includes recommended implementation steps to reduce pollution and restore water resources. The West River watershed plan is in design and review in 2014-15. The municipalities of the three watersheds are the principle land use decision makers who have the power to make watershed plans work.

### **3.3.2 Low Impact Development**

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Low impact development (LID) is an alternative way of developing land that minimizes the negative impacts of urbanization on wildlife habitats and waterways. The design more closely imitates the natural world by controlling and filtering runoff close to where the rain fell, rather than funneling it into pipes and storm sewers that drain into streams and rivers. The result is cleaner streams and the return of fresh water to replenish local underground supplies. Low impact development for watershed management includes the following best practices:

- Green roofs
- Pervious (flow-through) pavement
- Rain gardens (**Figure 3-7**)
- Vegetated riparian areas (allowing trees and shrubs to border streams)
- Rainwater harvesting
- Grassy swales (**Figures 3-8, 3-9**)

These techniques are becoming more common in both old and new construction, resulting in cost savings by decreasing the need for expensive stormwater systems. *Reduce Runoff*, a project by CT Fund for the Environment and CT DEEP, has installed some of these techniques in the Quinnipiac River Watershed, including residential, municipal and institutional locations (**Figure 3-6**). CT DEEP provides on-line guides to LID techniques on their watershed management web site (**Appendix 9**).

Certain cost-effective techniques to reduce municipal runoff pollution are recommended by the Center for Watershed Protection:

- Ordinances to control pet waste
- Identification and elimination of illicit discharges
- Protection of streamside vegetation

Other measures that can reduce runoff pollution include:

- Campaigns to reduce fertilizer and pesticide use
- Education to discourage feeding of geese and other waterfowl
- Street and parking lot sweeping

The survey determined that most municipalities in the region were comfortable using rain gardens, parking islands, buffers, flexible site design, shared parking and porous pavement. There was some skepticism regarding the long term maintenance of rain gardens (**Table 3-10**).

Most municipalities in the region were much more willing to require Low Impact Development of new commercial and industrial development, and unwilling to require these techniques of existing development (unless an expansion was being sought) (**Table 3-11**).

### **3.3.3 Improving Municipal Training and Practice**

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We asked municipalities of South Central Connecticut to rank what they needed to achieve better runoff pollution control. Responses determined that towns needed assistance in their efforts to reduce harmful effects of polluted stormwater. Most municipalities selected improving training for volunteer commissioners and town staff, and creation of a guide and model ordinance. Some municipalities also expressed a need for better runoff pollution control on state roads over which they have no control.

CT DEEP, the University of Connecticut's Center for Land Use and Education (CLEAR), local conservation districts and USDA NRCS provide information and training for land use officials and their staff so they may combine resource protection with land development. Among these tools are the Land Use Academy, Nonpoint Education for Municipal Officials (NEMO), and Land Use Leadership Alliance.

Beyond LID, certain cost-effective techniques to reduce municipal runoff pollution are recommended by the Center for Watershed Protection (**refer to 3.1.4.5**).

**ACTION:** *CT DEEP should circulate a guide and model ordinance for local control of stormwater. CT DEEP should also partner with CT Department of Transportation to include stormwater management best practices in design and reconstruction of state roads which traverse local municipalities. State action is needed because local planning officials do not have jurisdiction over state roads and are unable to require stormwater filtration improvements of state roads.*

**Table 3-10.** Popularity of Strategies Used by 14 Municipalities in South Central CT to Reduce Runoff Water Pollution Through Low Impact Development (LID)

Strategies	Number of South Central CT Municipalities Using Strategies, Out of 14 Surveyed
Stormwater Manual	• • • • • •
Some Low Impact Development (LID)	• • • • • • • • • •
Swales	• • • • • • •
Rain gardens	• • • • • • • •
Parking lot islands	• • • • • • • • •
Buffers	• • • • • • • • •
Flexible site design	• • • • • • • • •
Bioretention basins	• • • • • • • •
Shared parking	• • • • • • • • •
Pavers	• • • • • •
Phased paving	• • • • • •
Porous pavement	• • • • • • • •

Source: MRWA interviews 2013-14

**Table 3-11.** Frequency of Use of Low Impact Development by 14 Municipalities in South Central CT

Category of Development	Number of South Central CT Municipalities Using LID Extensively, Out of 14 Surveyed
<b>New residential</b>	• • • • • •
Existing residential	• •
<b>New commercial</b>	• • • • • • • •
Existing commercial	• •
Municipal property	• • • •
<b>New industrial</b>	• • • • • • • •
Existing industrial	• •

Source: MRWA interviews 2013-14

*River advocates can improve water quality at the local level by encouraging each municipality (staff and zoning officials) to attend landscape stewardship training sessions, adopt model ordinances and best practices for municipal projects, and require best practices of the developers who come before them for local permits.*

# 4 Advocacy Recommendations

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## 4.1 Tactics

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### State Permits

The federal Clean Water Act is the driving force behind laws and regulations requiring further cleanup of river pollution. The regulatory process is an adversarial one. Applicants for state water pollution control permits must obtain, at regular intervals, a permit for their discharge into the waters of the state, which are the rivers, brooks, streams, wetlands, and groundwaters (subsurface waters) of Connecticut as well as Long Island Sound. For a diversion, applicants must obtain a permit to remove water from any of these sources if the amount is more than 50,000 gallons per day, or must register any diversion which existed prior to the 1982 Diversion Law.

The regulatory agency, CT DEEP, analyses the application and determines how much pollution load or diversion the waterway can withstand, and specifies best practices the polluter or diverter must follow. The regulator then publishes a proposed decision, with a deadline for public comments. Diversions for public water supply are also influenced by the CT Department of Public Health, which sets requirements for water storage to ensure sufficient public water supply in dry periods. The roles of the two regulators both affect water use and are sometimes in conflict with each other.

The **public comment window** is the interval during which river advocates must express their views on the proposed decision. Twenty five signatures will trigger a public hearing. Advocates must go on record if they object to the proposed decision, and push

regulators to add stronger protections for the waterway. Pressure by river advocates helps the regulators issue the strongest possible permit. Local river advocates are the most familiar with their area waterway. They know the months of highest stress, the seasons the waterway is used for recreation, the types of recreation, wildlife that are dependent on the waterway, and flood history. The public comments of river advocates must counter the objections of applicants to ensure that the regulator, CT DEEP, will balance the two fairly.

General permits with uniform requirements for an entire class have replaced individual permits in recent decades. General permits are especially difficult for river advocacy, as a large and powerful alliance of all the members of the class works together to object to the permit requirements. A recent example is the unified opposition of most South Central Connecticut municipalities to the MS4 (municipal stormwater) general permit. River advocates, few on the record, were greatly outnumbered by towns who objected to the cost of compliance. Unless advocates press regulators to create a compliance schedule and demand technical solutions, polluted stormwater will continue to impair water quality of our rivers, brooks, streams and Long Island Sound.

### Local Land Use Permits

At the local level, land use permits are also an adversarial process. In a typical public hearing, only the immediate neighbors or an economic competitor objects to a development that may generate polluted runoff. Local land use regulators must decide what requirements to put on the developer. But there is often

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no comment from river advocates who could press regulators to require new technologies such as grassy swales, porous pavement, vegetative buffers or green roofs.

If advocates ask for these technologies at the permit hearing, regulators are more likely to make them part of the permit.

### **Organizing for Advocacy**

There is a larger constituency for clean water in rivers and Long Island Sound than there are pollution and diversion permit holders. More than 200,000 people live just in the Quinnipiac Watershed. Advocates have the advantage in numbers if they organize, time their actions according to the permit schedule presented in this report and become more visible in their advocacy message at both the state and local levels.

## 4.2 Timetable

Major water permits and expiration dates for coordinating public participation are listed in **Table 4-1**. The timeline for advocacy is shown in **Table 4-2**.

**Table 4-1a.** Major Water Quality Permits and expiration dates for the Quinnipiac, Mill and West Rivers.

Discharge Permit Name/Number	Type	Rivers Affected	Status/Expiration	Public Comment
Meriden Municipal Landfill/CT0026123	Bristol, New Britain	Quinnipiac	active; 09/02/2015	
Allegheny Ludlum/ CT0003701	NPDES industrial discharge	Quinnipiac	review; 06/25/2014	
NUCOR Steel/ CT0026794	NPDES industrial discharge	Quinnipiac	active; 12/29/2014	
Cytec Industries/ CT0000086	NPDES industrial discharge	Quinnipiac	active; 05/16/2016	
Pharmacia/Upjohn/ CT0001341	NPDES remediation	Quinnipiac	active; 01/07/2015	
United Aluminum/ CT0030201	NPDES cooling water	Muddy River	active; 06/21/2017	closed
Southington/ CT0100536	municipal POTW	Quinnipiac	issued; 03/05/2018	closed
Cheshire/CT0100081	municipal POTW	Quinnipiac	issued; 09/18/2017	closed
Meriden/CT0100315	municipal POTW	Quinnipiac	issued; 04/11/2018	closed
Wallingford/ CT0100617	municipal POTW	Quinnipiac	issued; 04/24/2018	closed
North Haven/ CT0100404	municipal POTW	Quinnipiac	pending; 09/19/11	closed
Gr. New Haven WPCA/CT0100366	municipal POTW	New Haven Harbor	pending; 09/30/2015	closed *
West Haven/ CT0101079	municipal POTW	New Haven Harbor	pending; 10/25/2011	closed

(Table continues on following page)

\* Public comment reopens when a draft decision is ready. Applicant submits 6 months prior to expiration date.  
Applicants operate under the old permit while pending.

**(Table continued from previous page)**

**Table 4-1a.** Major Water Quality Permits and expiration dates for the Quinnipiac, Mill and West Rivers.

<b>Discharge Permit Name/Number</b>	<b>Type</b>	<b>Rivers Affected</b>	<b>Status/Expiration</b>	<b>Public Comment</b>
Gr. New Haven WPCA	NPDES Combined Sewer Overflows (CSO's)	Quinnipiac, Mill, West	09/2015	continued
municipal POTW's	NPDES general permit (GP)-water treatment	Quinnipiac	5 years 3/29/2015	
homeowner associations	general permit (GP)-domestic sewage	Quinnipiac, Mill, West	10 years 10/8/2022	
washing, maintenance, detailing shops	general permit (GP)-vehicle maintenance	Quinnipiac, Mill, West	10 years 1/23/2021	
NH(2), No.H (3), Southington, Wlfd, Wolcott	NPDES stormwater GP-industrial	Quinnipiac, Mill, West	5 years 9/30/2016	May 2015
multiple	NPDES stormwater GP-commercial	Quinnipiac, Mill, West	5 years 9/30/2014	
multiple	NPDES stormwater GP-construction	Quinnipiac, Mill, West	5 years 9/30/2018	
all area municipalities	NPDES stormwater GP-municipal ("MS4")	Quinnipiac, Mill, West	annual 1/8/2016	

Source: CT DEEP, 2013-14

**Table 4-1b.** Major Water **Diversion** Permits and expiration dates for the Quinnipiac, Mill and West Rivers.

Permit Name or Basin Code	Type	Rivers Affected	Status/Expiration	Public Comment
North Cheshire Wellfield RWA, Blacks Rd	diversion	Quinnipiac	continued	<b>open</b>
SCCRWA, Cheshire to Meriden interconnection	diversion	Quinnipiac	continued	<b>open</b>
City of Meriden, Platt and Lincoln wells	diversion	Quinnipiac	continued	<b>open</b>
Town of Southington, Dunham Place wellfield	diversion	Quinnipiac	continued	<b>open</b>
5201 eight mile river	diversion	Eight Mile River/Quinnipiac	active	closed
5201 eight mile river	diversion	Eight Mile River/Quinnipiac	active	closed
5206 harbor brook	diversion	Harbor Bk/Quinnipiac	active	closed
5206 harbor brook	diversion	Harbor Bk/Quinnipiac	active	closed
5206 harbor brook	diversion	Harbor Bk/Quinnipiac	active	closed
5208 muddy river	diversion	Muddy R/Quinnipiac	active	closed
5208 muddy river	diversion	Muddy R/Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5200 quinnipiac river	diversion	Quinnipiac	active	closed
5205 sodom brook	diversion	Quinnipiac	active	closed
5207 wharton brook	diversion	Quinnipiac	active	closed
5207 wharton brook	diversion	Quinnipiac	active	closed
5304 wintergreen brook	diversion	West	active	closed

Source: CT DEEP, 2013-14

**Table 4-1c.** Registrations: **Diversions that predate 1982** are **registered** (grandfathered)—options are limited except to meet Streamflow requirements (see **3.2.3 Streamflow**).

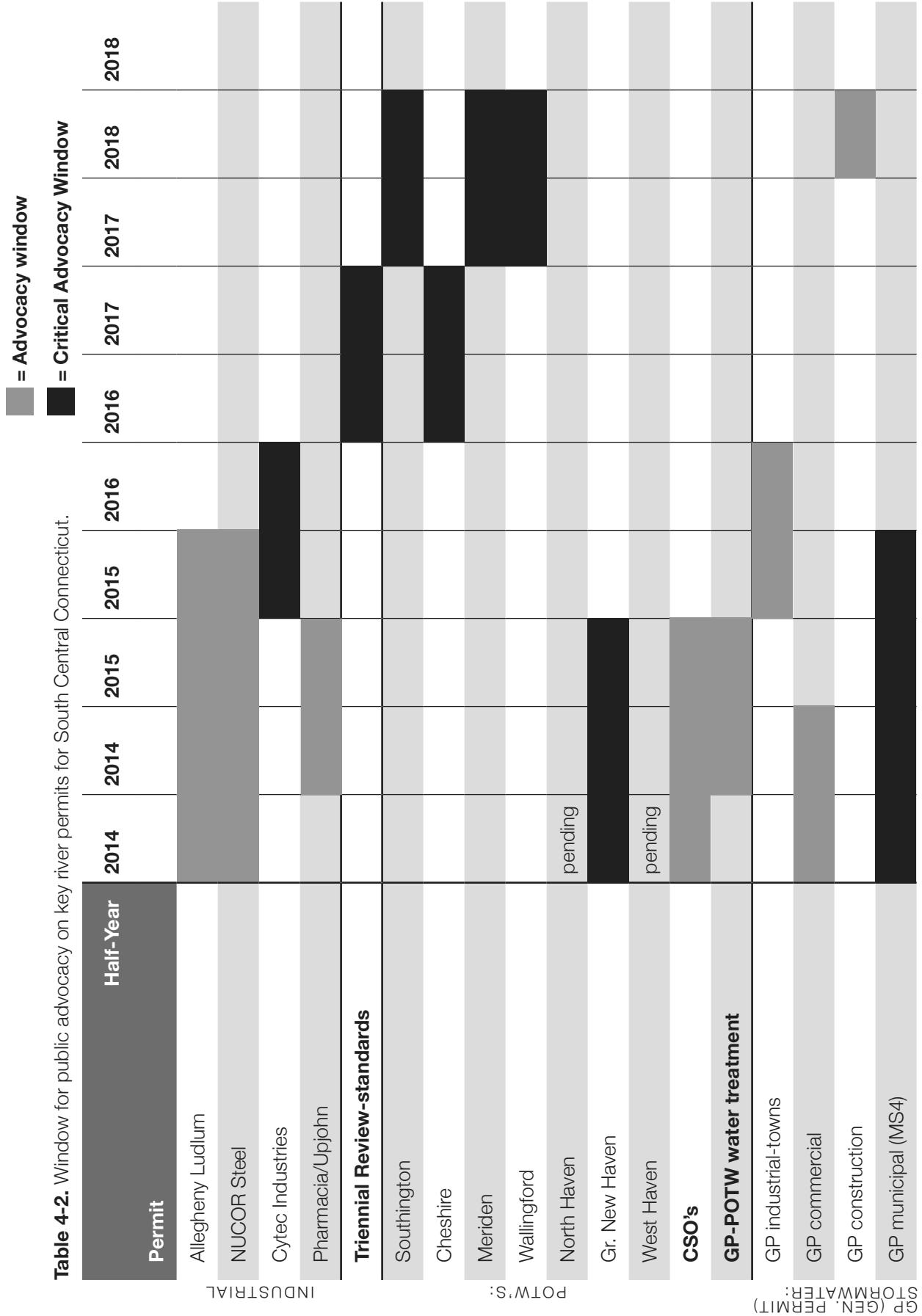
Registration Permit Name	Type	Rivers Affected	Status/Expiration
Quinnipiac mainstem	registration	Quinnipiac	no expiration
Quinnipiac tributaries	registration	Quinnipiac	no expiration
Mill River	registration	Mill	no expiration
Wintergreen Bk	registration	West	no expiration

Source: CT DEEP, 2013-14

**Table 4-1d.** Other regulatory activities affecting river quality and flow.

Regulatory Activity	Type of Activity	Rivers Affected	Public Comment
Streamflow requirements	Stream classification	Quinnipiac, Mill, West	<b>Summer 2015</b>
Local permits	Municipal land use permits	Quinnipiac, Mill, West	<b>continuous, except in winter</b>

Source: CT DEEP, 2013-14



**Table 4-2.** Window for public advocacy on key river permits for South Central Connecticut.

(Table continues on following page)

(Table continued from previous page)

Permits	Half-Year	Windows of time for public advocacy on key river permits for South Central Connecticut.								
		2014	2014	2015	2015	2016	2016	2017	2017	2018
No. Cheshire wellfield	open	open	open	open	open	open	open	open	open	open
SCCRWA Chesh.-Mer. Interconnection	open	open	open	open	open	open	open	open	open	open
City of Meriden-Platt and Lincoln	open	open	open	open	open	open	open	open	open	open
Town of Southington-Dunham Place	open	open	open	open	open	open	open	open	open	open
<b>Streamflow classification, S. Central CT</b>										
<b>Municipal land use permits</b>										

■ = Advocacy window

■ = Critical Advocacy Window

## **4.3 Regulators**

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**Table 4-3a.** DEEP Regulators for state watershed permits in South Central Connecticut watersheds.

Name	Phone	Email	Assigned To
<b>Theresa Iacone</b>	860-424-3808	theresa.jiacone@ct.gov	Meriden landfill, Pharmacia/Upjohn, United Aluminum
<b>Kim Hudak</b>	860-424-3396	kim.hudak@ct.gov	Allegheny Ludlum, NUCOR Steel, Cytec
<b>Dennis Greci</b>	860-424-3751	dennis.greci@ct.gov	NPDES POTW's (phosphorus and nutrients, wastewater treatment plants)
<b>Stacy Pappano</b>	860-424-3362	stacy.pappano@ct.gov	NPDES West Haven POTW
<b>Ivonne Hall</b>	860-424-3754	ivonne.Hall@ct.gov	CSO's-Greater New Haven WPCA
<b>Iliana Raffa Rowland Denny</b>	860-424-3758 860-424-3749	iliана.raffa@ct.gov Rowland.denny@ct.gov	POTW's-Gen.Permit (GP) Wastewater
<b>Marshall Hoover</b>	860-424-3821	marshall.hoover@ct.gov	Stormwater GP Industrial Wastewaters
<b>Chris Stone</b>	860-424-3850	Chris.stone@ct.gov	Stormwater GP Commercial and MS4 (municipal)
<b>Neal Williams</b>	860-424-3356	neal.williams@ct.gov	Stormwater GP Construction
<b>Doug Hoskins</b>	860-424-4192	douglas.hoskins@ct.gov	diversions
<b>Robert Hust</b>	860-424-3020	deep.streamflowclass@ct.gov	Streamflow classifications, South Central CT

Source: MRWA Interviews, 2013-14.

**Table 4-3b.** Municipal personnel for local watershed permits in South Central Connecticut watersheds.

Name	Phone	Position	Town
<b>Isabel Kearns</b>	203-393-2100	Zoning Enforcement Officer	Bethany
<b>Alan L. Weiner</b>	860-584-6225	City Planner	Bristol
<b>William S. Voelker</b>	203-271-6670	Town Planner	Cheshire
<b>Leslie Creane</b>	203-287-7070	Town Planner	Hamden
<b>Tom Skoglund</b>	203-630-4081	Assistant City Planner	Meriden
<b>Tom Talbot</b>	203-946-8237	Deputy Director of Zoning	New Haven
<b>Alan Fredricksen</b>	203-239-5321	Land Use Administrator	North Haven
<b>Mark DeVoe</b>	860-793-0221	Director, Planning & Economic Development	Plainville
<b>Bill Donovan</b>	203-758-4461	Land Use Inspector	Prospect
<b>Robert A. Phillips</b>	860-276-6248	Director of Planning	Southington
<b>Kacie Costello</b>	203-294-2090	Town Planner	Wallingford
<b>Roberto Librandi</b>	203-937-3580	Assistant City Planner	West Haven
<b>David Kalinowski</b>	203-879-8100	Zoning Inspector	Wolcott
<b>Kristine Sullivan</b>	203-389-3406	Land Use Analyst	Woodbridge

Source: MRWA interviews, 2013-14.

Local land use staff are the professionals who advise applicants of local requirements and who serve the elected or appointed municipal planning and zoning board as technical advisors.

## **4.4 Allies**

As described in Chapter III, advocate pressure can strengthen permits at the state and local level to eventually accomplish the removal of our local rivers and streams from the impaired waters list. Natural allies in this effort are those organizations who have a vested interest in local water quality and quantity. They include the groups listed in **Table 4-4**.

**Table 4-4.** Potential allies for water permits advocacy in South Central Connecticut.

Name	Phone	Email or Website	Interest
<b>River Advocates of South Central Connecticut</b>	203-281-4326	martin.mador@aya.yale.edu marymushinsky@att.net	Lower Quinnipiac, Mill and West Rivers and NH Harbor
<b>QRWA</b>	203-237-2237	qrwainfo@att.net	Quinnipiac River, paddling
<b>MRWA</b>	203-624-6737	cordalie.benoit@aya.yale.edu	Mill River, waterside trails
<b>West River Watershed Coalition</b>	203-500-7777	sfitzgerald1@comcast.net	West River, coalition of neighborhood and regional groups
<b>New Haven Bioregional Committee</b>	203-887-7902	mariatupper@gmail.com	Local and regional environmental advocacy and sustainable living
<b>Trout Unlimited-Hammonton Chapter</b>	203-345-8132	www.hctu.org	Trout and cold water fisheries
<b>CT Fund for the Environment/Save the Sound</b>	203-787-0646	www.ctenvironment.org	Clean water, Long Island Sound
<b>New Haven Environmental Justice Network</b>	860-548-1133	cshweitzer@newhavenleon.org	Urban environment
<b>Greater New Haven Water Works Coalition</b>	203-468-7035	sites.google.com/site/ourcitywaters	New Haven POTW, low impact development

**(Table continues on following page)**

**(Table continued from previous page)**

**Table 4-4.** Potential allies for water permits advocacy in South Central Connecticut.

Name	Phone	Email or Website	Interest
<b>CT Coalition for Environmental Justice</b>	860-548-1133	<a href="http://www.environmental-justice.org">www.environmental-justice.org</a>	Urban environment
<b>Citizens Campaign for the Environment</b>	203-503-1314	<a href="http://www.citizenscampaign.org">www.citizenscampaign.org</a>	Clean water
<b>Environment &amp; Human Health, Inc.</b>	203-248-6582	<a href="mailto:Info@ehhi.org">Info@ehhi.org</a>	Environmental health
<b>Land Trusts—New Haven, North Haven, Hamden, Wallingford, Cheshire, Bethany, Woodbridge</b>	(multiple)	(multiple)	Land conservation
<b>Conservation Commissions—area municipalities</b>	(multiple)	(multiple)	Land, water, wildlife conservation
<b>The Watershed Partnership, Inc.</b>	203-453-8537	<a href="http://www.watershedpartnership.org">www.watershedpartnership.org</a>	Pesticide reduction
<b>QRLTAC of Wallingford, Corp.</b>	203-430-0921 203-314-5665	<a href="mailto:marymushinsky@att.net">marymushinsky@att.net</a> <a href="mailto:mamacat1136@sbcglobal.net">mamacat1136@sbcglobal.net</a>	Riverside trails
<b>North Haven Trail Association</b>	203-605-1022	<a href="http://northhaventrails.org">northhaventrails.org</a>	Riverside trails
<b>Quinnipiac University</b>	203-582-8265 203-582-8607	<a href="mailto:Harry.Pulypiw@quinnipiac.edu">Harry.Pulypiw@quinnipiac.edu</a> <a href="mailto:dennis.richardson@quinnipiac.edu">dennis.richardson@quinnipiac.edu</a>	Polyaromatic hydrocarbons and phthalates research
<b>Yale University</b>	203-432-5748	<a href="mailto:shimon.anisfeld@yale.edu">shimon.anisfeld@yale.edu</a> <a href="mailto:gabouryb@gmail.com">gabouryb@gmail.com</a>	Estuary and New Haven Harbor research
<b>URI (Urban Resources Initiative/Yale School of Forestry &amp; Env. Studies)</b>	203-432-6189	<a href="mailto:christopher.ozyck@yale.edu">christopher.ozyck@yale.edu</a>	Urban forestry & youth
<b>University of New Haven</b>	203-932-7450	<a href="mailto:RZajac@newhaven.edu">RZajac@newhaven.edu</a>	Algae blooms, harbor
<b>CT Urban Legal Initiative, Inc./UConn Law</b>	860-570-5464	<a href="mailto:barbara.mcgrath@law.uconn.edu">barbara.mcgrath@law.uconn.edu</a>	Urban issues assistance

Source: MRVIA

## **Advocacy Recommendations**

Although the Quinnipiac, Mill and West Rivers are either wholly or partly on the impaired waters list in 2014, they are significantly recovered from the decades before passage of the Clean Water Act in 1972. This report identifies the remaining urban river permits for the three rivers of South Central Connecticut and provides the tools that South Central Connecticut advocates can use to further restore these rivers to benefit people and wildlife.

It is more difficult to restore urban rivers such as the Quinnipiac, Mill and West Rivers of South Central Connecticut as they have been modified by dense human populations and associated development, which has converted forest to paved landscape and generated more waste per acre. Yet the people who live and work in urban river watersheds need outdoor recreation, clean water and a healthful escape from the stress of daily life, which rivers can provide.

**ACTION:** *Successful advocacy on behalf of restoring rivers begins with monitoring the timeline for state water quality and quantity permits provided in this report, regularly monitoring local land use permits, organizing potential allies to provide testimony, and promoting best practices for permits and municipal land use activities.*



# 5

## Acknowledgments: Project Sponsors and Sources

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Mill River Watershed Association (MRWA) and River Advocates of South Central CT thank the Community Foundation for Greater New Haven's Quinnipiac Fund for their support for this 2013-2014 project to review state, federal and municipal permits affecting water quality and quantity in the Quinnipiac, Mill and West Rivers and recommend advocacy steps and a timetable. Sources included the updated Quinnipiac River Watershed Based Plan of 2013, Connecticut Department of Energy and Environmental Protection (CT DEEP) staff interviews and presentations on phosphorus and municipal permits, CT DEEP permits database, CT DEEP's 2013 statewide survey of land use professionals and interviews with the municipal land use professionals of South Central Connecticut. We thank the hardworking staffs at CT DEEP and South Central Connecticut municipalities for their time and assistance on this project.

# A

## Appendix

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- A.1** Impaired River Segments
- A.2** Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents
- A.3** Industrial Permit Excerpt
- A.4** POTW Permit Excerpt
- A.5** Waste Water Discharge Permits for South Central Connecticut
- A.6** Consumptive Use Diversions
- A.7** Registered Diversions
- A.8** Municipal Permits Survey Results
- A.9** References and Resources
  - **References**
  - **CT DEEP Guide to Vegetative Buffers**
  - **US EPA Soak Up The Rain**
  - **Pet Waste Management**
- A.10** Action Steps

## A.1 Impaired River Segments

Appendix Table 1a. Impaired segments of the Quinnipiac, Mill and West Rivers.

Connecticut 2012  
305b Assessment  
Results RIVERS  
TABLE 2-4-46

Waterbody Segment ID	Waterbody Name	Location	Miles	Aquatic Life	Recreation
CT5200-00_01	Quinnipiac River-01	From Sackett Point Road crossing (west of I91, and east of Route 15), North Haven, US to Toelles Road crossing (head of tide), Wallingford/ North Haven town border.	5.05	Not Supporting	Not Supporting
CT5200-00_02	Quinnipiac River-02	From Toelles Road crossing (head of tide, just east of Route 15), Wallingford/ North Haven town border, US to Hanover Pond outlet dam, Meriden. (Segment includes Community Lake portion)	8.5	Not Supporting	Not Supporting
CT5200-00_03	Quinnipiac River-03	From Hanover Pond inlet (at Oregon Road crossing, DS end of Quinnipiac Gorge), Meriden, US (through Gorge) to Waterworks (breached dam), just DS of Cheshire/ Meriden town border (parallel to River Road (Route 70))	1.29	Not Supporting	Not Supporting
CT5200-00_04	Quinnipiac River-04	From Waterworks (breached dam), just DS of Cheshire/ Meriden town border (parallel to River Road (Route 70)), US to confluence with Tenmile River (US of Route 322 crossing, and US of Southington WPCF).	4.78	Not Supporting	Not Supporting

#### A.1 Impaired River Segments

CTS200-00_05	Quinnipiac River-05	From confluence with Tenmile River (US of Route 322 crossing, and US of Southington WPCF), US to Queen Street (Route 10) crossing (US of RailRoad crossing, North of I-84 crossing), Southington.	8.32	Not Supporting	Not Assessed	
CTS200-00_06	Quinnipiac River-06	From Queen Street (Route 10) crossing (US of Railroad crossing, North of I-84 crossing), Southington, US to Hamlin Pond outlet dam (US of Pine Street crossing). Plainville.	3	Not Supporting	Not Supporting	
CTS200-00_07	Quinnipiac River-07	From Hamlin Pond inlet (northeast corner, just south of Route 72 and 184 connection and RailRoad), Plainville, US to headwaters at Dead Wood Swamp (west side of I84, near exit 37, just south of Route 6), Farmington.	3.5	Not Supporting	Not Supporting	
CTS200-02_01	Patton Brook-01	From mouth at confluence with Quinnipiac River (just DS of River Road crossing), US to headwaters at unnamed pond (US of confluence with Mill Pond tributary, just US of Malecin Drive crossing), Southington.	2.84	Not Supporting	Not Assessed	
CTS200-07_01	Honeypot Brook-01	Mouth at confluence with Quinnipiac River, (US of Blacks Road crossing), US to headwaters, US of Wiese Road crossing (near Route 70), Cheshire.	4.95	Fully Supporting	Not Assessed	
CTS200-10_01	Meetinghouse Brook (Wallingford)-01	Mouth on Quinnipiac River, at Route 68 crossing, US to confluence with Spruce Glen Brook, parallel to Route 15, Wallingford.	1.15	Not Supporting	Not Assessed	
CTS200-23_01	Hemingway Creek-01	From saltwater limit (200m DS of Quinnipiac Avenue crossing, just DS of RailRoad crossing), New Haven, US to Golf Pond outlet dam, East Haven.	0.74	Not Supporting	Not Assessed	

#### A.1 Impaired River Segments

CT5201-00_01	Eightmile River (Southington)-01	From mouth at confluence with Quinnipiac River (DS of West Main Street crossing and just DS of RailRoad crossing), US to Grannis Pond outlet dam (just US of Churchill Street crossing), Southington.	3.39	Fully Supporting	Insufficient Information	
CT5202-00_01	Tennile River (Southington/ Cheshire)- 01	From mouth at confluence with Quinnipiac River (DS of Old Turnpike Road crossing), Southington, US to Lake Percival outlet dam on Moss Farms Pond (just US of Jarvis Street crossing), Cheshire.	4.1	Not Supporting	Not Assessed	
CT5202-00_02	Tennile River (Cheshire)- 02	From inlet to Moss Farms Pond (on southwest end), US to headwaters at Mixville Pond outlet dam (just US of Notch Road crossing), Cheshire.	1.42	Fully Supporting	Not Assessed	
CT5202-04_01	Cuff Brook (Cheshire)-01	Mouth at confluence with Tennile River (parallel to Jarvis Street), US to exit of underground portion for I84 crossing (parallel to Route 70, near Hidden Brook Hollow intersection), Cheshire.	1.37	Not Assessed	Insufficient	
CT5202-08_01	Judd Brook (Southington)-01	Mouth at confluence with Tennile River (1/2 mile DS of Knotter Drive crossing), Cheshire, US to HW at confluence of unnamed tributary and Humiston Brook (just US of Route 322 crossing, parallel and along exit 27 ramp off I84), Southington.	1.29	Insufficient Information	Not Assessed	
CT5203-00_01	Misery Brook-01	From mouth at Quinnipiac River (just DS of Meriden Waterbury Turnpike (Route 322) crossing), Cheshire/ Southington border, US to Slopers Pond outlet dam, just US of East Street crossing), Southington.	4.23	Not Supporting	Not Supporting	

#### A.1 Impaired River Segments

CTS205-00_01	Sodom Brook-01	From mouth at confluence with Quinnipiac River (flows into north side of Hanover Pond portion of river), US to headwaters (just US of Second Hicks Avenue crossing, due to river changing direction), Meriden.	4.16	Not Supporting	Not Supporting
CTS206-00_01	Harbor Brook (Meriden)-01	From mouth at confluence with Quinnipiac River (flows into north side of Hanover Pond portion of river, DS of Bradley Avenue crossing), US to exit of box culvert (just DS of Railroad and Main Street (Route 71) crossings), Meriden.	2.02	Not Supporting	Not Supporting
CTS206-00_02	Harbor Brook (Meriden)-02	From exit of box culvert (just DS of Railroad and Main Street (Route 71) crossings), US to culvert entrance (just US of Fire Station, and US of Mill Street crossing), Meriden.	0.4	Not Supporting	Not Supporting
CTS206-00_03	Harbor Brook (Meriden)-03	From culvert entrance (just US of Fire Station, and US of Mill Street crossing), US to Baldwins Pond outlet dam (just US of Westfield Road crossing), Meriden.	1.48	Not Supporting	Not Assessed
CTS206-01_01	Spoon Shop Brook (Meriden)-01	Mouth at confluence with Harbor Brook near Orchid Road and Meadow Brook Road, to east of Route 15, US under I91 and I691 to confluence with North Branch Spoon Shop Brook, US of Tumblebrook Road crossing, near exit 12 off I691, Meriden.	1.49	Not Assessed	Not Supporting
CTS206-02_01	Willow Brook (Meriden)-01	Mouth on Spoon Shop Brook between Route 15 (Wilbur Cross) and Orchid Road, US to HW at OUTLET of Bishops Pond just US of Research Pkwy crossing and parallel to I91, Meriden.	2.87	Not Supporting	Not Assessed

#### A.1 Impaired River Segments

CTS207-00_01	Wharton Brook-01	From mouth at confluence with Quinnipiac River (DS of Route 5 and RailRoad crossing), Wallingford/ North Haven town borders, US to Simpson Pond outlet dam (US of Center Street (Route 150) crossing), Wallingford.	3.97	Not Supporting	Not Assessed
CTS207-00_02	Wharton Brook-02	From inlet to Simpson Pond, US to North Farms Reservoir outlet dam (just US of Church Street (Route 68) crossing), Wallingford.	2.94	Not Supporting	Not
CTS207-01_01	Unnamed Tributary to Wharton Brook (Wallingford)-01	Mouth at confluence with Wharton Brook, just DS of Reskin Drive crossing (off of Pond Hill Road), US to confluence with another unnamed trib, just US of Route 150 crossing and between Airline Road and 191, Wallingford.	1.8	Not Supporting	Not Assessed
CTS207-02_01	Allen Brook-01	From mouth at confluence with Wharton Brook (east of Route 5, south of exit 13 on/ off ramp, 191), US to Allen Brook Pond outlet dam, Wallingford.	0.05	Not Assessed	Not Supporting
CTS207-02_02	Allen Brook-02	From inlet to Allen Brook Pond (south of exit 13 on/ off ramp, 191), Wallingford/ North Haven town borders, US to headwaters (under 191, and then parallel along east side, stays to west side of RailRoad track), Wallingford.	1.8	Not Assessed	Not Supporting
CTS208-00_02a	Muddy River (North Haven)-02a	From Muddy River Pond inlet (east side of 191), North Haven, US to confluence with unnamed tributary (outlet for Tamarac Swamp), just DS of Tyler Mill Road crossing, Wallingford.	8.1	Insufficient Information	Not Supporting

#### A.1 Impaired River Segments

CT5208-00_02b	Muddy River (Wallingford)-02b	From confluence with unnamed tributary (outlet for Tamarac Swamp), just DS of Tyler Mill Road crossing, Wallingford, US to MacKenzie Reservoir outlet dam (US of Northford Road crossing), Wallingford.	1.81	Not Supporting	Not Assessed
CT5208-10_01	Eightmile Brook (North Haven/ North Branford)-01	Confluence with Muddy river, North Haven, US to Gail Drive crossing, North Branford.	0.89	Insufficient Information	Not Assessed
CT5208-11_01	Fivemile Brook (North Haven)-01	Confluence with Muddy river, just DS of Spring Road crossing, US to Fitch Street crossing, North Haven.	0.87	Insufficient Information	Not Assessed
CT5301-00_01	Willow Brook (Hamden)-01	From mouth at confluence with Mill River (DS of Willow Street crossing), Hamden, US to confluence with Brooksville Stream (DS of South Brooksville Road crossing), Cheshire. (River travels along RR track)	1.87	Not Assessed	Not Supporting
CT5301-00_02	Willow Brook (Cheshire)-02	From confluence with Brooksville Stream (DS of South Brooksville Road crossing), US to HW near Timber Lane, Cheshire. (River travels along RR track)	3.84	Not Assessed	Insufficient Information
CT5301-02_01	Sanford Brook (Cheshire)-01	From mouth at confluence with Willow Brook (DS of South Brooksville Road crossing), Cheshire, US to HW (just US of Candee Road crossing). Prospect.	2.68	Fully Supporting	Fully
CT5302-00_01	Mill River (Hamden)-01	From Footbridge off of Park Road (US extent of saltwater influence), US to Lake Whitney outlet dam, Hamden. (Segment is tidally affected, but not saltwater).	0.41	Fully Supporting	Fully Supporting

#### A.1 Impaired River Segments

CTS302-00_02	Mill River (Hamden/Cheshire)-02	From inlet to Lake Whitney (east side of Route 15, just DS of Connolly Parkway crossing), Hamden, US to Cook Hill Road crossing, Cheshire.	9.06	Fully Supporting	Not Supporting
CTS302-00_03	Mill River (Cheshire)-03	From Cook Hill Road crossing, Cheshire, US to headwaters (US of Williamsburg Drive crossing).	3.09	Not Supporting	Insufficient Information
CTS302-06_01	Shepard Brook (Hamden) 01	Mouth at confluence with Mill River just DS of Route 15 crossing, US (includes Turners Pond) to confluence with unnamed tributary behind business park off Sherman Avenue on west and Town Walk Drive on East (above ponded area at Sherman Lane), Hamden.	1.78	Not Supporting	Not Assessed
CTS303-00_01	Sargent River-01	From mouth at confluence with West River (DS of Route 69 crossing) at inlet to Lake Dawson, Woodbridge, US to headwaters at Munson Road Pond outlet dam, Bethany (EXCLUDING Lake Glen and Lake Chamberlain).	3.96	Fully Supporting	Not Assessed
CTS304-00_01	Wintergreen Brook (New Haven)-01	Mouth on West River, DS of Blake Street crossing, US to confluence with Wilmet Brook, US of Wilmet Road crossing, New Haven.	1.42	Not Assessed	Not Supporting
CTS304-00_03	Wintergreen Brook (New Haven)-03	Confluence with Belden Brook, US of Brookside Avenue crossing, New Haven, US to Lake Wintergreen outlet, US of Wintergreen Avenue crossing (near Route 15), Hamden.	1.22	Insufficient Information	Not Assessed

#### A.1 Impaired River Segments

CT5305-00_01	West River (New Haven/Woodbridge)-01	From head of tide (tide gates) at Chapel Street crossing (just DS of Edgewood Park Pond), New Haven, US to Konolds Pond outlet dam (just US of Bradley Road crossing), Woodbridge.	3.23	Not Supporting	Not Supporting

**A.1 Impaired River Segments**

CT-C1_014-SB	LIS CB Inner - Quinnipiac River (mouth), New Haven	See Map for Boundaries. Central portion of LIS, Inner Estuary, from mouth at 195 crossing, US Quinnipiac River to Sackett Point Road (includes Mill River mouth BELOW Chapel Street crossing), North Haven.	0.626	Not Supporting	Not Supporting	Not Supporting	Commercial Harvesting
	LIS CB Inner - New Haven Harbor, New Haven	See Map for Boundaries. Central portion of LIS, Inner Estuary, Inner New Haven Harbor from Sandy Point to 195 crossing (mouth of Quinnipiac and Mill Rivers, and mouth of West River), New Haven/ West Haven.	2.343	Not Supporting	Not Supporting	Not Supporting	Commercial Harvesting

#### A.1 Impaired River Segments

				Not Supporting	Not Supporting	Not Supporting	Not Supporting	Commercial Harvesting
CT-CI_015-SB	LIS CB Inner - West River (Lower), West Haven	See Map for Boundaries. Central portion of LIS, Inner Estuary, from mouth just DS of 195 crossing (City Point, New Haven Harbor), US to SA/ SB water quality line at Route 1 crossing, West Haven.	0.065	Not Supporting	Not Supporting	Not Supporting	Not Supporting	Commercial Harvesting
CT-CI_022	LIS CB Inner - West River (Upper), West Haven	See Map for Boundaries. Central portion of LIS, Inner Estuary, from SA/ SB water quality line at Route 1 crossing, US past Route 34 crossing to southside of Edgewood Avenue (near Edgewood Park Pond), West Haven.	0.063	Not Supporting	Not Supporting	Not Supporting	Not Supporting	Direct Consumption
CT-CI_023-SB	LIS CB Inner - Mill River (mouth), New Haven/Hamden	See Map for Boundaries. Central portion of LIS, Inner Estuary, from mouth at confluence with Quinnipiac River (Chapel Street crossing), New Haven, US to Footbridge crossing (just US of East Rock Road crossing), Hamden.	0.068	Not Supporting	Not Supporting	Not Supporting	Not Supporting	Commercial Harvesting

## A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents

### Technical Supporting Information for Proposed Revisions to the Connecticut Water Quality Standards:

#### Ambient Water Quality Criteria

**Appendix D: Proposed Human Health Based Criteria (ug/L) for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and AWaters	Human Health WQC - Class B, SA and SB waters
<b>Inorganic Substances</b>									
Aluminum	0.3	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	2074.074074	168000
Ammonia	0.02	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	138.2716049	11200
Antimony	0.0004	RfD oral	IRIS	1	EPA 2002		1	2.772277228	280
Arsenic	1.5	CSF oral	IRIS	44	EPA 2002		1	0.016203704	0.053030303
Barium	0.2	RfD oral	IRIS	1.25	BCFWIN		1	1382.716049	112000
Beryllium	0.0002	RfD oral	IRIS w/ Mod	19	EPA 2002		1	1.176470588	7.368421053
Boron	0.2	RfD oral	IRIS	1.25	BCFWIN		1	1382.716049	112000
Cadmium	0.00002	RfD oral	MRL w/ Mod	1.25	BCFWIN		1	0.138271605	11.2
Chlorine	0.1	RfD oral	IRIS	1.25	BCFWIN		1	691.3580247	56000
Chromium, hexavalent	0.79	CSForal	USEPA/OPPTS	16	EPA 2002		1	0.038192929	0.276898734
Chromium, trivalent	1.5	RfD oral	IRIS	16	EPA 2002		1	9051.724138	65625
Cobalt	0.0003	RfD oral	MRL oral w/ Mod	1.25	BCFWIN		1	2.074074074	168
Copper	0.01	RfD oral	MRL oral	36	EPA 2002		1	51.47059824	194.4444444
Cyanide	0.02	RfD oral	IRIS	1	EPA 2002		1	138.6138614	14000
Lead				1.25	BCFWIN		1		

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Lithium	0.002	RfD oral	DPH Risk A.	1.25	BCFWIN		1	13.82/716049	1120
Manganese	0.07	RfD oral	ATSDR ESADDI	1.25	BCFWIN		1	483.95/06173	39200
Mercury - inorganic <sup>5</sup>	0.00003	RfD oral	IRIS	7342.6	EPA 2002		100	0.000285963	0.000286002
Nickel	0.002	RfD oral	IRIS w/ Mod	47	EPA 2002		1	9.523809524	29.78723404
Nitrate	1.6	RfD oral	IRIS	1.25	BCFWIN		1	11061.7284	896000
Radium				1.25	BCFWIN		1		
Selenium	0.005	RfD oral	IRIS	4.8	EPA 2002		1	33.39694656	729.1666667
Silver	0.005	RfD oral	IRIS	0.5	EPA 2002		1	34.82587065	7000
Thallium	0.00008	RfD oral	IRIS	116	EPA 2002		1	0.259259259	0.482758621
Tin	0.01	RfD oral	DPH Risk A.	39.47	BCFWIN		1	50.19000502	177.349886
Uranium	0.003	RfD oral	IRIS	1.25	BCFWIN		1	20.74074074	1680
Vanadium	0.001	RfD oral	EPA Provisional	15.31	BCFWIN		1	6.070592316	45.72175049
Zinc	0.3	RfD oral	IRIS	47	EPA 2002		1	1428.571429	4468.085106
<b>Volatile Organic Substances</b>									
Acetone	0.9	RfD oral	IRIS	1.25	BCFWIN	-0.24	1	6222.222222	504000
Acetonitrile	0.005	RfD oral	IRIS w/ Mod	1.25	BCFWIN	-0.34	1	34.56790123	2800
Acrolein	0.00005	RfD oral	IRIS w/ Mod	215	EPA 2002	-0.01	1	0.111111111	0.162790698
Acrylonitrile	0.54	CSF oral	IRIS	30	EPA 2002	0.25	1	0.04985755	0.216049383

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class SA and SB waters
Nitrosodimethylamine, N-	16	CSF oral	Cal-OEHHA	0.026	EPA 2002	-0.57	1	0.002188931	8.413461538
NitrosoDi-n-propylamine, N-	7	CSF oral	IRIS	1.13	EPA 2002	1.36	1	0.004944131	0.442477876
Nitrosodiphenylamine, N-	0.0049	CSF oral	IRIS	136	EPA 2002	3.13	1	3.026634383	5.25210084
Pentachloronitrobenzen e	0.001	RfD oral	IRIS w/ Mod	294.51	BCFWIN	4.64	1.3	1.449686557	1.828330238
Pentachlorophenol	0.12	CSF oral	IRIS	11	EPA 2002	5.12	3.2	0.215727783	0.828598485
Phenanthrene	0.05	RfD oral	IRIS	30	Benzo(a)pyren e	4.46	1.2	257.3529412	972.2222222
Phenol	0.03	RfD oral	IRIS w/ Mod	1.4	EPA 2002	1.46	1	207.1005917	15000
Polychlorinated terphenyls			No Tox Value	0			1		
Propylene glycol	0.5	RfD oral	EPA Provisional	1.25	BCFWIN	-0.92	1	3456.790123	280000
Pyrene	0.03	RfD oral	IRIS	30	EPA 2002	4.88	2	131.25	350
Sodium acetate			No Tox Value	1.25	BCFWIN	-3.72	1		
Tert-butyl alcohol	0.017	RfD oral	DPH Risk A.	1.25	BCFWIN	0.35	1	117.5309642	9520
Tetrachlorobenzene, 1,2,4,5-	0.0003	RfD oral	IRIS	1125	EPA 2002	4.64	1.3	0.1344	0.143589744
Trichlorophenol, 2,4,5-	0.01	RfD oral	IRIS w/ Mod	110	EPA 2002	3.72	1	33.33333333	63.63636364
Trichlorophenol, 2,4,6-	0.07	CSF oral	Cal-OEHHA	150	EPA 2002	3.69	1	0.2	0.333333333
<b>Pesticides &amp; PCBs</b>									
Polychlorinated biphenyls	2	CSF oral	IRIS	31200	EPA 2002	7.1	100	5.60879E-07	5.60897E-07
Alachlor	0.056	CSF oral	Cal-OEHHA	40.42	BCFWIN	3.52	1	0.445093292	1.546264226

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF) <sup>3</sup>	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class SA and SB waters
Adicarb	0.001	RfD oral	IRIS	0.58	BCFWIN	1.13	1	6.959634122	1206.896552
Aldrin	17	CSF oral	IRIS	4670	EPA 2002	6.5	100	4.40767E-07	4.40362E-07
Atrazine	1.00E-04	RfD oral	MRL w/ Mod	3.855	BCFWIN	2.61	1	0.674016658	18.15823606
Chlordane	0.35	CSF oral	IRIS	14100	EPA 2002	6.26	84	8.44238E-06	8.44309E-06
D, 2,4-	0.001	RfD oral	IRIS w/ Mod	1.25	BCFWIN	2.81	1	6.913580247	560
DDD, 4,4-	0.24	CSF oral	IRIS	53600	EPA 2002	6.02	67	4.06074E-06	4.06085E-06
DDE, 4,4-	0.34	CSF oral	IRIS	53600	EPA 2002	6.51	100	1.92051E-06	1.92054E-06
DDT, 4,4-	0.34	CSF oral	IRIS	53600	EPA 2002	6.91	100	1.92051E-06	1.92054E-06
Dicamba	0.03	RfD oral	IRIS	1.25	BCFWIN	2.21	1	207.4074074	16800
Dichloroprop	0.0036	RfD oral	DPH Risk A.	1.25	BCFWIN	3.43	1	24.88888889	2016
Die�drin	16	CSF oral	IRIS	4670	EPA 2002	5.4	8	5.83956E-06	5.85519E-06
Endosulfan	0.0002	RfD oral	Mod from IRIS	270	EPA 2002	3.83	1	0.378378378	0.518518519
Endosulfan I	0.0002	RfD oral	Mod from IRIS	270	EPA 2002		1	0.378378378	0.518518519
Endosulfan II	0.0002	RfD oral	Mod from IRIS	270	EPA 2002		1	0.378378378	0.518518519
Endosulfan sulfate	0.0002	RfD oral	Mod from IRIS	270	EPA 2002	3.66	1	0.378378378	0.518518519
Endrin	0.0003	RfD oral	IRIS	3970	EPA 2002	5.2	4.3	0.012229923	0.012301564
Endrin aldehyde	0.0003	RfD oral	IRIS	3970	EPA 2002	4.8	1.5	0.034682081	0.035264484
Endrin ketone	0.0003	RfD oral	IRIS	3970	Based on Endrin		1	0.051597052	0.052996725

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Heptachlor	4.5	CSF oral	IRIS	11200	EPA 2002	6.1	75	9.25816E-07	9.25926E-07
Heptachlor epoxide	9.1	CSF oral	IRIS	11200	EPA 2002	4.98	2.6	1.31627E-05	1.32079E-05
Hexachlorocyclohexane	6.3	CSF oral	IRIS	130	EPA 2002	3.8	1	0.002415459	0.004273504
. alpha.									
Hexachlorocyclohexane	1.8	CSF oral	IRIS	130	EPA 2002	3.78	1	0.008454106	0.014957265
. beta-									
Hexachlorocyclohexane	1.8	CSF oral	IRIS	130	EPA 2002	4.14	1.1	0.008001829	0.013597514
. delta-									
Hexachloroclopentadiene	0.006	RfD oral	IRIS	4.34	EPA 2002	5.04	2.6	37.74127458	372.2084367
Lindane	1.1	CSF oral	Cal-OEHHA	130	EPA 2002	3.72	1	0.013833992	0.024475524
Methoxychlor	0.0005	RfD oral	ATSDR w/ Mod	642.63	BCFWIN	5.08	3.2	0.162300345	0.170199026
Simazine	0.0005	RfD oral	IRIS w/ Mod	1.8	BCFWIN	2.18	1		
Toxaphene	1.1	CSF oral	IRIS	13100	EPA 2002	5.9	47	5.16697E-06	5.16781E-06
Radioactive									
Alpha particles				0			1		
Beta Particles				0			1		

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Benzene	0.1	CSF oral	Cal/OEHHHA	5.2	EPA 2002	2.13	1	0.33269962	6.730769231
Bromo-dichloromethane	0.062	CSF oral	IRIS	3.75	EPA 2002	2	1	0.544111932	15.05376344
Bromomethane	0.0005	RfD oral	PPRTV w/ Mod	3.75	EPA 2002	1.19	1	3.373439976	93.333333333
Butanone, 2-	0.6	RfD oral	IRIS	1.25	BCFWIN	0.29	1	4148.148148	336000
Butylbenzene, n-			No Tox Value	185.72	BCFWIN	4.38	1.1		
Butylbenzene, sec-			No Tox Value	260.13	BCFWIN	4.57	1.3		
Butylbenzene, t-			No Tox Value	115.07	BCFWIN	4.11	1.1		
Carbon disulfide	0.1	RfD oral	IRIS	2.46	BCFWIN		1	683.1934413	28455.28455
Carbon Tetrachloride	0.13	CSF oral	IRIS	18.75	EPA 2002	2.83	1	0.226720648	1.435897436
Chlorobenzene	0.02	RfD oral	IRIS	10.3	EPA 2002	2.84	1	126.9263639	1359.223301
Chloroethane	0.0026	RfD oral	IRIS w/ Mod	0.99	BCFWIN	1.43	1	13.32957566	1359.75136
Chloroform	0.001	RfD oral	IRIS w/ Mod	3.75	EPA 2002	1.97	1	6.746987952	186.6666667
Chloromethane - Error in WQS Table	0.0047	CSF oral	Cal/OEHHHA	3.75	EPA 2002	0.91	1	31.71084337	877.3333333
Chloronaphthalene, 2-	0.08	RfD oral	IRIS	202	EPA 2002	3.9	1	185.4304636	277.2277228
Chlorotoluene, 2-	0.002	RfD oral	IRIS w/ Mod	33.86	BCFWIN	3.42	1	10.45868818	41.3467218
Chlorotoluene, 4-	0.002	RfD oral	IRIS w/ Mod	73.13	BCFWIN	3.33	1	8.086409057	19.14399015
Cyclohexane	1.7	RfD oral	IRIS	35.08	BCFWIN	3.44	1	8809.594314	33922.46294
Dibenzofuran			No Tox Value	1117.16	BCFWIN	4.12	1.1		

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Dichlorobenzene, 1,2-	0.09	RfD oral	IRIS	55.6	EPA 2002	3.43	1	404.8843188	1133.093525
Dichlorobenzene, 1,3-	0.001	RfD oral	MRL w/ Mod	55.6	EPA 2002	3.53	1	4.498714653	12.58992806
Dichlorobenzene, 1,4-	0.024	CSForal	HEAST	55.6	EPA 2002	3.44	1	0.937232219	2.622901679
Dichlorobutene, 1,4-			No Tox Value	10.9	BCFWIN	2.78	1		
Dichloro-Difluoromethane	0.05	RfD oral	HEAST	3.63	BCFWIN	2.16	1	337.7400367	9641.873278
Dichloroethane, 1,1-	0.01	RfD oral	HEAST w/ Mod	1.88	BCFWIN	1.79	1	68.70828426	3723.404255
Dichloroethane, 1,2-	0.091	CSF oral	IRIS	1.2	EPA 2002	1.48	1	0.380054728	32.05128205
Dichloroethylene, 1,2-	0.01	RfD oral	HEAST	2.73	BCFWIN	2	1	68.1397839	2564.102564
Dichloroethylene, 1,1-	0.005	RfD oral	IRIS w/ Mod	5.6	EPA 2002	2.13	1	33.14393939	625
Dichloroethylene, cis-1,2-	0.01	RfD oral	EPA Provisional	1.58	Dichloroethylen e	1.86	1	68.91120299	4430.379747
Dichloroethylene, trans-1,2-	0.01	RfD oral	EPA Provisional	1.58	EPA 2002	2.09	1	68.91120299	4430.379747
Dichloropropane, 1,2-	0.036	CSF oral	Cal-OEHHHA	4.1	EPA 2002	1.98	1	0.933931049	23.71273713
Dichloropropene, 1,3-	0.1	CSF oral	IRIS	1.9	EPA 2002	2.04	1	0.343473994	18.42105263
Ethyl acetate	0.9	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.73	1	6222.2222222	504000
Ethylbenzene	0.01	RfD oral	IRIS w/ Mod	37.5	EPA 2002	3.15	1	50.90909091	186.6666667
Ethylene dibromide	2	CSF oral	IRIS	2.54	BCFWIN	1.96	1	0.017066511	0.688976378
Hexane, n-	0.02	RfD oral	IRIS w/ Mod	79.3	BCFWIN	3.9	1	78.08142777	176.5447667
Isopropylbenzene	0.1	RfD oral	IRIS	51.83	BCFWIN	3.66	1	461.0419548	1350.569168

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Isopropyltoluene, 4-	0.03	RfD oral	DPH Risk A.	113.05	BCFWIN	4.1	1.1	93.60165809	168.8713763
Methyl isobutyl ketone	0.08	RfD	HEAST	0.8	BCFWIN	1.31	1	555.555556	70000
Methyl methacrylate	0.14	RfD oral	IRIS w/ Mod	0.91	BCFWIN	1.38	1	971.162422	107692.3077
Methyl tert butyl ether	0.01	RfD oral	DPH Risk A.	1.25	BCFWIN	0.94	1	69.13589247	5600
Methylene chloride	0.0075	CSF oral	IRIS	0.9	EPA 2002	1.25	1	4.625041295	518.5185185
Methylnaphthalene, 2-	0.004	RfD oral	IRIS w/ Mod	73.89	BCFWIN w/ lipid adjustment	3.86	1	16.10213353	37.89416701
Nitrobenzene	0.0005	RfD oral	IRIS	2.89	EPA 2002	1.85	1	3.401691126	121.1072664
Nitrophenol, 2-			No Tox Value	2.33	EPA 2002	1.79	1		
Propylbenzene, n-			No Tox Value	54.67	BCFWIN	3.69	1		
Pyridine	0.0003	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.65	1	2.074074074	168
Styrene	0.02	RfD oral	MRL int w/ Mod	14.72	BCFWIN	2.95	1	122.0362622	951.0869565
Tetrachloroethane, 1,1,1,2-	0.026	CSF oral	IRIS	14.2	BCFWIN	2.93	1	1.178766892	9.479956663
Tetrachloroethane, 1,1,2,2-	0.2	CSF oral	IRIS	5	EPA 2002	2.39	1	0.166666667	3.5
Tetrachloroethylene	0.54	CSF oral	Cal-OEHHA	30.6	EPA 2002	3.4	1	0.049623495	0.21181312
Tetrahydrofuran	0.0076	CSF oral	EPA Provisional	1.25	BCFWIN	0.46	1	4.548408057	368.4210526
Toluene	0.0067	RfD oral	MRL int w/ Mod	10.7	EPA 2002	2.73	1	42.3666757	438.317757
Trichloro-1,2,2-trifluoroethane, 1,1,2-	3	RfD oral	IRIS w/ Mod	21.36	BCFWIN	3.16	1	17303.88926	98314.60674
Trichlorobenzene, 1,2,4-	0.0036	CSF oral	Cal-OEHHA	114	EPA 2002	4.02	1.1	4.313319531	7.752968279

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Trichloroethane, 1,1,1-	0.076	RfD oral	CalPHG	5.6	EPA 2002	2.49	1	503.787788	9500
Trichloroethane, 1,1,2-	0.057	CSF oral	IRIS	4.5	EPA 2002	1.89	1	0.587593385	13.64522417
Trichloroethylene	0.089	CSF oral	EPA Draft RA 2001	10.6	EPA 2002	2.42	1	0.355568198	3.70998516
Trichlorofluoromethane	0.3	RfD oral	IRIS	6.99	BCFWIN	2.53	1	1962.800262	30042.91845
Trimethylbenzene, 1,2,4-	0.05	RfD oral	EPA Provisional	49.14	BCFWIN	3.63	1	234.6788253	712.2507123
Trimethylbenzene, 1,3,5-	0.05	RfD oral	EPA Provisional	34.65	BCFWIN	3.42	1	259.93316	1010.10101
Vinyl acetate	0.02	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.73	1	138.2716049	11200
Vinyl chloride	1.5	CSF oral	IRIS	1.17	EPA 2002	1.62	1	0.02306349	1.994301994
Xylenes	0.2	RfD oral	IRIS	21.36	BCFWIN	3.16	1	1153.592617	6554.307116
<b>Semivolatile Organic Substances</b>									
Acenaphthene	0.06	RfD oral	IRIS	242	EPA 2002	3.92	1	122.8070175	173.553719
Acenaphthyrene	0.06	RfD oral	IRIS	30	EPA 2002	3.94	1	323.0769231	1400
Aniline	0.0057	CSF oral	IRIS	1.25	BCFWIN	0.9	1	6.064544076	491.2280702
Anthracene	0.3	RfD oral	IRIS	30	EPA 2002	4.45	1.2	1544.117647	5833.333333
Asbestos	1332214	0.23	IRIS						
Benzidine	230	CSF oral	IRIS	87.5	EPA 2002	1.34	1	8.11594E-05	0.000173913
Benzo(a)anthracene	1.1	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.76	33	0.002919099	0.003213958
Benzo(a)pyrene	7.3	CSF oral	IRIS	30	EPA 2002	6.13	75	0.000204022	0.00021309

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Benzo(b)fluoranthene	1.22	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.78	33	0.002631975	0.002897831
Benzo(g,h,i)perylene	0.073	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.63	100	0.015466195	0.015981735
Benzo(k)fluoranthene	0.4	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.11	75	0.003723404	0.003888889
Benzoic Acid	4	RfD oral	IRIS	1.25	BCFWIN	1.87	1	27654.32099	2240000
Bis(2-chloroethoxy)methane	---	---	---	0.64	EPA 2002	1.3	1	0	0
Bis(2-chloroethyl)ether	2.5	CSF oral	Cal-OEH-HA	6.9	EPA 2002	1.29	1	0.013096352	0.202898551
Bis(2-chloroisopropyl)ether	0.07	CSF oral	HEAST	2.47		2.48	1	0.487947692	20.24291498
Bis(2-ethylhexyl)phthalate	0.014	CSF oral	IRIS	130	EPA 2002	7.6	100	0.019083969	0.019230769
Bromoform	0.008	CSF oral	IRIS	3.75	EPA 2002	2.4	1	4.21686747	116.66666667
Bromophenyl-phenylether, 4-			No Tox Value	1640	EPA 2002	4.94	2		
Butylbenzyl phthalate	0.02	RfD oral	IRIS w/ Mod	414	EPA 2002	4.73	1.4	20.60035315	24.15458937
Carbazole	0.02	CSF oral	HEAST	57.63	BCFWIN	3.72	1	1.11019476	3.036612875
Chloroaniline, 4-	0.054	CSF oral	EPA Region 3	2.02	BCFWIN	1.83	1	0.635314789	32.08654199
Chlorophenol, 2-Chlorophenol, 3-methyl-	0.005	RfD oral	IRIS	134	EPA 2002	2.15	1	14.95726496	26.11940299
Chlorophenyl-phenylether, 4-			No Tox Value	19.2	BCFWIN	3.1	1		
Chrysene	0.032	CSF oral	IRIS - BaP TEF	30	EPA 2002	5.81	33	0.100344037	0.110479798
Cresol, m-	0.017	RfD oral	IRIS w/ Mod	2.54	BCFWIN	1.96	1	116.0522723	4685.03937

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Dibenzo(a,h)anthracene	8.1	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.75	100	0.000133387	0.000144033
Dibromo-3-chloropropane, 1,2-	7	CSF oral	Cal-OEHHA	14.98	BCFWIN	2.96	1	0.004348582	0.033377837
Dibromochloromethane	0.084	CSF oral	IRIS	3.75	EPA 2002	2.16	1	0.401606426	11.11111111
Dichlorobenzidine, 3,3'-	0.45	CSF oral	IRIS	312	EPA 2002	3.51	1	0.018878101	0.024928775
Dichlorophenol, 2,4-	0.001	RfD oral	IRIS w/ Mod	40.7	EPA 2002	3.06	1	4.975124378	17.1990172
Dichlorotrifluoroethane			No Tox Value	0			1		
Diethyl phthalate	0.08	RfD oral	IRIS w/ Mod	73	EPA 2002	2.42	1	323.699422	767.1232877
Dimethyl phthalate	0.08	RfD oral	IRIS w/ Mod	36	EPA 2002	1.6	1	411.7647059	1555.555556
Dimethylphenol, 2,4-	0.02	RfD oral	IRIS	93.8	EPA 2002	2.3	1	72.23942208	149.2537313
Di-n-butyl phthalate	0.01	RfD oral	IRIS w/ Mod	89	EPA 2002	4.5	1.2	33.84912959	65.54307116
Dinitrophenol, 2,4-	0.0002	RfD oral	IRIS w/ Mod	1.5	EPA 2002	1.67	1	1.379310345	93.33333333
Dinitrophenol, 2-methyl-4,6-	0.0004	RfD oral	MRL w/ Mod	5.5	EPA 2002	2.12	1	2.654022436	50.90909091
Dinitrotoluene, 2,4-	0.68	CSF oral	IRIS	3.8	EPA 2002	1.98	1	0.049583609	1.354489164
Dinitrotoluene, 2,6-	0.68	CSF oral	IRIS	3.8	Based on 2,4 Dinitrotoluene	2.1	1	0.049583609	1.354489164
Di-n-octyl phthalate	0.01	RfD oral	MRL w/ Mod	25.08	BCFWIN	8.1	100	2.68404908	2.791068581
Dioxane, 1,4-	0.003	RfD oral	DPH Risk A.	1.25	BCFWIN	-0.27	1	20.74074074	1680
Dioxin	130000	CSF oral	Cal-OEHHA	5000	EPA 2002	6.8	100	5.38354E-11	5.38462E-11
Diphenylhydrazine, 1,2-	0.8	CSF oral	IRIS	24.9	EPA 2002	2.94	1	0.035028022	0.175702811

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

ChemName	Toxicity Value	Type of Toxicity Value <sup>1</sup>	Source of Toxicity Value <sup>2</sup>	Bioconcentration Factor (BCF)	Source of BCF <sup>3</sup>	Octanol Water Partition Coefficient <sup>4</sup>	Food Chain Multiplier	Human Health WQC - Class AA and A waters	Human Health WQC - Class B, SA and SB waters
Ethanol	0.067	RfD oral	DPH Risk A.	1.25	BCFWIN	-0.31	1	463.2098765	37520
Ethylene glycol	2	RfD oral	IRIS	1.25	BCFWIN	-1.36	1	13827.16049	1120000
Fluoranthene	0.04	RfD oral	IRIS	1150	EPA 2002	5.16	4.3	5.550049554	5.662285137
Fluorene	0.04	RfD oral	IRIS	30	EPA 2002	4.18	1.1	210.5263158	848.4848485
Formaldehyde	0.02	RfD oral	IRIS w/ Mod	1.25	BCFWIN	0.35	1	138.2716049	11200
Hexachlorobenzene	1.6	CSF oral	IRIS	8690	EPA 2002	5.73	33	7.62541E-06	7.62806E-06
Hexachlorobutadiene	0.078	CSF oral	IRIS	2.78	EPA 2002	4.78	1.5	0.430755447	10.76062227
Hexachloroethane	0.014	CSF oral	IRIS	86.9	EPA 2002	4.14	1.1	1.278183956	2.615336332
Indeno(1,2,3-c,d)pyrene	0.73	CSF oral	IRIS - BaP TEF	30	EPA 2002	6.7	100	0.00154662	0.001598174
Isophorone	0.00095	CSF oral	IRIS	4.38	EPA 2002	1.7	1	35.29613457	841.1439558
Isopropanol	0.33	RfD oral	DPH Risk A.	1.25	BCFWIN	17.1	100	1026.666667	1848
Methanol	0.15	RfD oral	IRIS w/ Mod	1.25	BCFWIN	-0.77	1	1037.037037	84000
Methylphenol, 2-	0.003	RfD oral	ATSDR w/ Mod	2.5	BCFWIN	1.95	1	20.48780488	840
Methylphenol, 4-	0.003	RfD oral	ATSDR w/ Mod	2.46	BCFWIN	1.94	1	20.49588324	853.6585366
Naphthalene	0.002	RfD oral	IRIS w/ Mod	10.5	EPA 2002	3.3	1	12.66968326	133.3333333
Nitroaniline, 2-	0.021	CSF oral	EPA Provisional	2.09	BCFWIN	1.85	1	1.632546446	79.74481659
Nitroaniline, 3-	0.021	CSF oral	EPA Provisional	0.89	BCFWIN	1.37	1	1.651964185	187.2659176
Nitroaniline, 4-	0.021	CSF oral	EPA Provisional	0.93	BCFWIN	1.39	1	1.651309488	179.2114695

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Technical Supporting Information for Proposed Revisions to the Connecticut Water Quality Standards: Ambient Water Quality Criteria Appendix A: Proposed Aquatic Life Criteria (ug/L) for Chemical Constituents						
Chemical Constituent	Aquatic Life Criteria					
	Freshwater		Saltwater			
Chemical Constituent	Acute	Chronic	Acute	Chronic	Basis/Comment	
<b>Inorganic Substances<sup>(7)</sup></b>						
Aluminum (Total)	7429905	750	87			EPA
Ammonia	7664417		calculated	233	35	EPA
Antimony	7440360	900	190			GLI
Arsenic	7440382	340	150	69	36	EPA
Asbestos	1332214					EPA
Barium	7440393	2000	220			GLI
Beryllium (Total)	7440417	30.6	3.6			GLI
Boron	7440428	8500	950			GLI
Cadmium	7440439	1	0.15	40	8.8	EPA
Chloride	16887006	860000	230000			EPA
					EPA Note: Saltwater # inadvertently omitted from proposed table. Note of error will be made	
Chlorine	7782505	19	11	13	7.5	
Chromium, hexavalent	18540299	16	11	1100	50	EPA
Chromium, trivalent	16065831	323	42			EPA
Cobalt	7440484	220	24			GLI
Copper	7440508	14.3	4.8	4.8	3.1	CTDEP (1)
Copper (site specific)	7440508	25.7	18.1			CTDEP (2)
Cyanide	57125	22	5.2	1	1	EPA
Iron	7439896		1000			EPA
Lead	7439921	30	1.2	210	8.1	EPA
Lithium	7439932					
Manganese	7439965					
Mercury - inorganic	7487947	1.4	0.77	1.8	0.94	EPA
Nickel	7440020	260	29	74	8.2	EPA
Selenium (Total)	7782492	20	5	290	71	EPA
Silver	7440224	1	0.06	1.9		Acute: EPA / Chronic GLI
Thallium	7791120	79	17			GLI
Tin	7440315	1600	180			GLI
Uranium	7440611					
Vanadium	1314621	150	44			GLI
Zinc (Total)	7440666	65	65	90	81	EPA
<b>Volatile Substances</b>						
Acetone	67641	15000	1700			GLI
Acetonitrile	75058	73705	8189			CTDEP Tier 2
Acrolein	107028	0.8	0.1			CTDEP Tier 2
Acrylonitrile	107131	369	41			CTDEP Tier 2
Benzene	71432	700	160			GLI
Bromomethane	74839	0.04	0.005			CTDEP Tier 2

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Chemical Constituent	Aquatic Life Criteria					Basis/Comment
	Freshwater		Saltwater			
	Acute	Chronic	Acute	Chronic		
Butanone, 2-	78933	123077	13752			CTDEP Tier 2
Butylbenzene, n-	104518					
Butylbenzene, sec-	135988					
Butylbenzene, t-	98066					
Carbon disulfide	75150	130	15			GLI
Carbon Tetrachloride	56235	2200	240			GLI
Chlorobenzene	108907	420	47			GLI
Chloroethane	75003					
Chloroethylvinyl ether, 2- (mixed)	110758					
Chloroform	67663	1300	140			GLI
Chloromethane	74873					
Chloronaphthalene, 2-	91587	79	9			CTDEP Tier 2
Chlorotoluene, 2-	95498					
Chlorotoluene, 4-	106434	64	7			CTDEP Tier 2
Cyclohexane	110827	2480	276			CTDEP Tier 2
Dibenzofuran	132649	36	4			GLI
Dichlorobenzene, 1,2-	95501	130	23			GLI
Dichlorobenzene, 1,3-	541731	79	22			GLI
Dichlorobenzene, 1,4-	106467	57	9.4			GLI
Dichlorobromomethane	75274					
Dichlorobutene, 1,4-	31423924					
Dichlorodifluoromethane	75718					
Dichloroethane, 1,1-	75343	3700	410			GLI
Dichloroethane, 1,2-	107062	9600	2000			GLI
Dichloroethene, 1,2-	540590	8800	970			GLI
Dichloroethylene, 1,1-	75354	1900	210			GLI
Dichloroethylene, cis-1,2-	156592	5500	620			GLI
Dichloroethylene, trans-1,2-	156605	5000	560			GLI
Dichloropropane, 1,2-	78875	847	94			CTDEP Tier 2
Dichloropropene, 1,3-	542756	15	1.7			GLI
Ethyl acetate	141786	14375	1597			CTDEP Tier 2
Ethylbenzene	100414	550	61			GLI
Ethylene dibromide	106934					
Hexane, n-	110543					
Isopropylbenzene	98828	193	21			CTDEP Tier 2
Isopropyltoluene, 4-	99876	148	16.5			CTDEP Tier 2
Methyl isobutyl ketone	108101					
Methyl methacrylate	80626					
Methyl tert butyl ether	1634044	151000	51000			EPA
Methylene chloride	75092	11000	1900			GLI
Methylnaphthalene, 2-	91576	42	4.7			GLI
Nitrobenzene	98953	1989	221			CTDEP Tier 2

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Chemical Constituent	Aquatic Life Criteria					Basis/Comment
	Freshwater		Saltwater			
	Acute	Chronic	Acute	Chronic		
Nitrophenol, 2-	88755	650	73			GLI
Nitrophenol, 4-	100027					
Propylbenzene, n-	103651					
Pyridine	110861	236	26			CTDEP Tier 2
Styrene	100425	214	24			CTDEP Tier 2
Tetrachloroethane, 1,1,1,2-	630206	770	85			GLI
Tetrachloroethane, 1,1,2,2-	79345	1155	129			CTDEP Tier 2 Note Table in WQS in error
Tetrachloroethylene	127184	430	53			GLI
Tetrahydrofuran	109999	74000	11000			GLI
Toluene	108883	560	62			GLI
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76131					
Trichlorobenzene, 1,2,4-	120821		5			GLI
Trichloroethane, 1,1,1-	71556	690	76			GLI
Trichloroethane, 1,1,2-	79005	3300	740			GLI
Trichloroethylene	79016	2000	220			GLI
Trichlorofluoromethane	75694					
Trimethylbenzene, 1,2,4-	95636	142	16			CTDEP Tier 2
Trimethylbenzene, 1,3,5-	108678	237	26			CTDEP Tier 2
Vinyl acetate	108054					
Vinyl chloride	75014	8400	930			GLI
Xylenes	1330207	240	27			GLI
<b>Semivolatile Substances</b>						
Acenaphthene	83329	19	15			GLI
Acenaphthylene	208968	120	13			GLI
Aniline	62533	11.4	1.3			CTDEP Tier 2
Anthracene	120127	0.18	0.02			GLI
Benzidine	92875	38	4			CTDEP Tier 2
Benzo(a)anthracene	56553	42	4.7			GLI
Benzo(a)pyrene	50328	0.54	0.06			GLI
Benzo(b)fluoranthene	205992	23	2.6			GLI
Benzo(g,h,i)perylene	191242					
Benzo(k)fluoranthene	207089					
Benzoic Acid	65850					
Bis(2-chloroethoxy)methane	111911	7077	786			CTDEP Tier 2
Bis(2-chloroethyl)ether	111444	9231	1026			
Bis(2-chloroisopropyl)ether	108601					CTDEP Tier 2
Bis(2-ethylhexyl)phthalate	117817	5	1			CTDEP Tier 2
Bromoform	75252	1115	124			CTDEP Tier 2
Bromophenyl-phenylether, 4-	101553					
Butylbenzyl phthalate	85687	130	23			GLI

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Chemical Constituent	Aquatic Life Criteria				Basis/Comment
	Freshwater	Acute	Chronic	Saltwater	
Carbazole	86748	48	5.3		CTDEP Tier 2
Chloroaniline, 4-	106478	9	1		CTDEP Tier 2
Chlorodibromomethane	124481				
Chlorophenol, 2-	95578	290	32		GLI
Chlorophenol, 3-methyl-4	59507	66	7		CTDEP Tier 2
Chlorophenyl-phenylether, 4-	7005723				
Chrysene	218019	42	4.7		GLI
Cresol, m-	108394	560	62		GLI
Dibenzo(a,h)anthracene	53703				
Dibromo-3-chloroproppane, 1,2-	96128				
Dichlorobenzidine, 3,3'-	91941	40	4.5		CTDEP Tier 2
Dichlorophenol, 2,4-	120832	110	11		GLI
Dichlorotrifluoroethane	34077877				
Diethyl phthalate	84662	980	220		GLI
Dimethyl phthalate	131113	2788	310		CTDEP Tier 2
Dimethylphenol, 2,4-	105679	140	15		GLI
Di-n-butyl phthalate	84742	34	4		CTDEP Tier 2
Dinitrophenol, 2,4-	51285	199	22		CTDEP Tier 2
Dinitrophenol, 2-methyl-4,6-	534521	6.4	0.7		CTDEP Tier 2
Dinitrotoluene, 2,4-	121142	394	44		CTDEP Tier 2
Dinitrotoluene, 2,6-	606202	730	81		GLI
Di-n-octyl phthalate	117840				
Dioxane, 1,4-	123911				
Diphenylhydrazine, 1,2-	122667	10	1		CTDEP Tier 2
Ethanol	64175	20491	2277		CTDEP Tier 2
Ethylene glycol	107211	1300000	140000		GLI
Fluoranthene	206440	3.7	0.8		GLI
Fluorene	86737	110	19		GLI
Formaldehyde	50000	4580	1610		Hohreiter and Rigg Note: Table in WQS in error.
Hexachlorobenzene	118741	0.34	0.04		CTDEP Tier 2
Hexachlorobutadiene	87683				
Hexachloroethane	67721				
Indeno(1,2,3-c,d)pyrene	193395				
Isophorone	78591	7500	920		GLI
Isopropanol	67630				
Methanol	67561	3000	330		GLI
Methylphenol, 2-	95487	600	67		GLI
Methylphenol, 4-	106445	499	55.5		CTDEP Tier 2
Naphthalene	91203	170	21		GLI
Nitroaniline, 2-	88744	188	21		CTDEP Tier 2

**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Chemical Constituent	Aquatic Life Criteria					Basis/Comment
	Freshwater		Saltwater			
	Acute	Chronic	Acute	Chronic		
Nitroaniline, 3-	99092	61	7			CTDEP Tier 2
Nitroaniline, 4-	100016	1063	118			CTDEP Tier 2
Nitrosodimethylamine, N-	62759					
Nitrosodi-n-propylamine, N-	621647					
Nitrosodiphenylamine, N-	86306	220	25			GLI
Nonylphenol	84852153	28	6.6	7	1.7	EPA
Pentachloronitrobenzene	82688	22	2.5			CTDEP Tier 2
Pentachlorophenol	87865	19	15	13	7.9	EPA
Phenanthrene	85018	31	2.3			GLI
Phenol	108952	4700	160			GLI
Propylene glycol	57556	640	71			GLI
Pyrene	129000	42	4.6			GLI
Sodium acetate	127093					
Tert-butyl alcohol	75650	211692	23521			CTDEP Tier 2
Tetrachlorobenzene, 1,2,4,5-	95943	18	2			CTDEP Tier 2
Tetrachlorodibenzo-p-dioxin, 2,3,7,8-						
Trichlorophenol, 2,4,5-	95954	25	2.8			CTDEP Tier 2
Trichlorophenol, 2,4,6-	88062	30	3.3			CTDEP Tier 2
<b>Pesticides and PBCs</b>						
Alachlor	15972608	294	33			CTDEP Tier 2
Aldicarb	116063	11.4	1.3			CTDEP Tier 2
Aldrin	309002	0.45	0.05	0.65		CTDEP Tier 2
Atrazine	1912249	14.5	1.6			CTDEP Tier 2
Chlordane	12789036	1.2	0.00215	0.045	0.0045	EPA
Chlorpyrifos	2921882	0.083	0.041	0.011	0.0056	EPA
D,2,4-	94757	47	5			EPA
DDD, 4,4-	72548					
DDE, 4,4-	72559					
DDT, 4,4- (total)	50293	0.55	0.005	0.065	0.001	EPA
Diazinon	333415	0.17	0.17	0.82	0.82	EPA
Dicamba	1918009	1619	180			CTDEP Tier 2
Dichloroprop	120365	105	12			CTDEP Tier 2
Dieldrin	60571	0.24	0.056			EPA
Endosulfan	115297	0.11	0.028	0.017	0.0087	EPA
Endosulfan sulfate	1031078					
Endrin	72208	0.086	0.036	0.0185	0.0023	EPA
Endrin aldehyde	7421934	0.086	0.036			EPA
Endrin ketone	53494705	0.086	0.036			EPA
Heptachlor	76448	0.26	0.0019	0.0265	0.0036	EPA
Heptachlor epoxide	1024573	0.26	0.0019	0.0265	0.0036	EPA
Hexachlorocyclohexane, alpha	319846					
Hexachlorocyclohexane, beta-	319857					
Hexachlorocyclohexane, delta-	319868					
Hexachlorocyclopentadiene	77474	2.8	0.3			CTDEP Tier 2
Lindane	58899	0.95	0.057	0.08		Acute: EPA / Chronic GLI

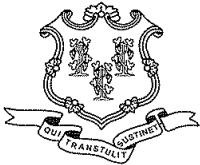
**A.2 Proposed Human Health Based and Aquatic Life Criteria for Chemical Constituents**

Chemical Constituent	Aquatic Life Criteria					
	Freshwater		Saltwater		Basis/Comment	
	Acute	Chronic	Acute	Chronic		
Methoxychlor	72435		0.03			EPA
Simazine	122349	5	1			CTDEP Tier 2
Toxaphene	8001352	0.73	0.002	0.21	7.5	EPA
Polychlorinated biphenyls	1336363		0.014		0.03	EPA
Radionuclides						
Alpha particles	12587461					
Beta Particles	12587472					

References:

- CTDEP 1 CTDEP 1990. Numerical Water Quality Criteria for Dissolved Copper
- CTDEP 2 CTDEP 1990. derivation of a Site-Specific Dissolved Copper Criteria for Selected Freshwater Streams in Connecticut
- CTDEP Tier 2 See Appendix B
- EPA EPA National Recommended Water Quality Criteria
- GLI USEPA. Great Lakes Initiative Clearinghouse
- Hohreiter and Rigg Chemosphere 2001. 45(4-5) 471-86.

## A.3 Industrial Permit Excerpt



# STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



## NPDES PERMIT

issued to

Cytec Industries Inc.  
South Cherry Street  
Wallingford, Connecticut 06492

Location Address:

South Cherry Street  
Wallingford, Connecticut 06492

Facility ID: 148-017

Permit ID: CT0000086

Receiving Water Body: Unnamed tributary to Quinnipiac River  
Quinnipiac River (following re-location of DSN 001)

Permit Expires: **May 16, 2016**

Water Body Segment ID: Quinnipiac River basin segment: CT5200-00\_02

### SECTION 1: GENERAL PROVISIONS

- (A) This permit is reissued in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and section 402(b) of the Clean Water Act, as amended, 33 USC 1251, *et seq.*, and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an NPDES permit program.
- (B) Cytec Industries Inc. ("Permittee") shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsections (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(10)(C), (j)(11)(C), (D), (E), and (F), (k)(3) and (4) and (l)(2) of section 22a-430-3.

#### Section 22a-430-3 General Conditions

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
- (h) Duty to Mitigate
- (i) Facility Modifications; Notification
- (j) Monitoring, Records and Reporting Requirements
- (k) Bypass
- (l) Conditions Applicable to POTWs
- (m) Effluent Limitation Violations (Upsets)
- (n) Enforcement
- (o) Resource Conservation
- (p) Spill Prevention and Control
- (q) Instrumentation, Alarms, Flow Recorders
- (r) Equalization

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NPDES Permit No. CT0000086

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Section 22a-430-4 Procedures and Criteria

- (a) Duty to Apply
  - (b) Duty to Reapply
  - (c) Application Requirements
  - (d) Preliminary Review
  - (e) Tentative Determination
  - (f) Draft Permits, Fact Sheets
  - (g) Public Notice, Notice of Hearing
  - (h) Public Comments
  - (i) Final Determination
  - (j) Public Hearings
  - (k) Submission of Plans and Specifications. Approval.
  - (l) Establishing Effluent Limitations and Conditions
  - (m) Case by Case Determinations
  - (n) Permit issuance or renewal
  - (o) Permit Transfer
  - (p) Permit revocation, denial or modification
  - (q) Variances
  - (r) Secondary Treatment Requirements
  - (s) Treatment Requirements for Metals and Cyanide
  - (t) Discharges to POTWs - Prohibitions
- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action including, but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA.
- (D) Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157b of the CGS.
- (E) The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner of Environmental Protection (“Commissioner”). To request such approval, the Permittee and proposed Transferee shall register such proposed transfer with the Commissioner, at least 30 days prior to the Transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure, by the Transferee, to obtain the Commissioner's approval prior to commencing such discharge(s) may subject the Transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (F) No provision of this permit and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the Permittee pursuant to this permit will result in compliance or prevent or abate pollution.
- (G) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (H) An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the Regulations of Connecticut State Agencies.
- (I) Evonik Cyro LLC (“Cyro”), a thermoplastic resin manufacturer, also operates at the site. Cyro discharges its wastewaters into the Permittee’s wastewater collection/treatment system. This permit shall authorize the discharge of Cyro’s wastestreams, as identified in the Tables in Section 5 of this permit. The Permittee shall take full and complete responsibility for Cyro’s discharges.

## SECTION 2: DEFINITIONS

(A) The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and section 22a-430-3(a) and 22a-430-6 of the RCSA, except for "No Observable Acute Effect Level" (NOAEL) which is redefined below.

(B) In addition to the above, the following definitions shall apply to this permit:

"---" in the limits column on the monitoring table means a limit is not specified but a value must be reported on the DMR.

"40 CFR" means Title 40 of the Code of Federal Regulations.

"Annual" in the context of any sampling frequency found in Section 5, shall mean the sample must be collected in the month of August.

"Average Monthly Limit" means the maximum allowable "Average Monthly Concentration" as defined in section 22a-430-3(a) of the RCSA when expressed as a concentration (e.g., mg/l). Otherwise, it means "Average Monthly Discharge Limitation" as defined in section 22a-430-3(a) of the RCSA.

"Chronic-No Observed Effect Concentration" ("C-NOEC") means the highest concentration of effluent to which organisms are exposed in a life cycle or a partial life cycle test which causes no adverse effect on growth, survival, or reproduction at a specified time of observation as determined from hypothesis testing where the results exhibit a linear dose-response relationship.

"Critical Test Concentration" ("CTC") means the specified effluent dilution at which the Permittee is to conduct a single-concentration Aquatic Toxicity test.

"Daily Concentration" means the concentration of a substance as measured in a daily composite sample, or the arithmetic average of all grab sample results defining a grab sample average.

"Daily Quantity" means the quantity of waste discharged during an operating day.

"IC" means "Inhibition Concentration".

" $IC_{25}$ " means a point estimate of the toxicant concentration that would cause a 25% reduction in a non-lethal biological measurement of the test organism, such as reproduction or growth.

"Instantaneous Limit" means the highest allowable concentration of a substance as measured by a grab sample, or the highest allowable measurement of a parameter as obtained through instantaneous monitoring.

"LC" means "Lethal Concentration"

" $LC_{50}$ " means the concentration of effluent which causes mortality to 50% of the test organisms. Therefore, a 100% limit means that a sample of 100% effluent (no dilution) shall cause no more than a 50% mortality rate.

"Lowest Observed Effect Concentration" ("LOEC") means the lowest concentration of an effluent or toxicant that results in adverse effects on the test organisms.

"Instream Waste Concentration" ("IWC") means the discharge flow divided by the sum of the discharge flow plus the 7Q10 flow allocation.

"Maximum Daily Limit" means the maximum allowable "Daily Concentration" (defined above) when expressed as a concentration (e.g., mg/l). Otherwise, it means the maximum allowable "Daily Quantity" as defined above, unless it is expressed as a flow quantity. If expressed as a flow quantity, it means "Maximum Daily Flow" as defined in section 22a-430-3(a) of the RCSA.

“NA” as a Monitoring Table abbreviation means “Not Applicable”.

“NR” as a Monitoring Table abbreviation means “Not Required”.

“No Observable Acute Effect Level” (“NOAEL” or “A-NOEC”) means any concentration equal to or less than the CTC in a single concentration (pass/fail) toxicity test conducted pursuant to section 22a-430-3(j)(7)(A)(i) RCSA demonstrating 90% or greater survival of test organisms at the CTC.

“No Observed Effect Concentration” (“NOEC”) means the highest tested concentration of an effluent or toxicant at which no adverse effects are observed on the aquatic test organisms at a specific time of observation.

“Quarterly” in the context of a sampling frequency means sampling is required in the months of February, May, August, and November.

“Range During Month” (“RDM”), as a sample type, means the lowest and the highest values of all of the monitoring data for the reporting month.

“Range During Sampling” (“RDS”), as a sample type, means the maximum and minimum of all values recorded as a result of analyzing each grab sample of: 1) a Composite Sample, or, 2) a Grab Sample Average. For those Permittees with continuous monitoring and recording pH meters, “Range During Sampling” means the maximum and minimum readings recorded with a continuous monitoring device during the “Composite” or “Grab Sample Average” sample collection.

“Semi-Annual” in the context of a sampling frequency, means sampling is required in the months of May and August.

“Twice per Month” when used as a sample frequency shall mean two samples per calendar month collected no less than 12 days apart.

### SECTION 3: COMMISSIONER'S DECISION

- (A) The Commissioner has issued a final determination and found that: 1) with respect to DSN 001, continuance of the existing system to treat the discharge will protect the waters of the state from pollution; and 2) with respect to DSN 002 such discharge will not cause pollution of the waters of the state. The Commissioner's decision is based on Application No. 200203786 for permit re-issuance received on October 2, 2002 and the administrative record established in the processing of that application.
- (B) The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit.
- (C) The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions which may be authorized under the Federal Clean Water Act or the CGS or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Clean Water Act or CGS or regulations adopted thereunder which are then applicable.

### SECTION 4: GENERAL EFFLUENT LIMITATIONS

- (A) No discharge shall contain, or cause in the receiving water, a visible oil sheen or floating solids or cause visible discoloration or foaming in the receiving water.
- (B) No discharge shall cause acute or chronic toxicity in the receiving water.

- (C) The temperature of any discharge shall not increase the temperature in the receiving water above 85 °F, or in any case, raise the normal temperature of the receiving water more than 4 °F.

**SECTION 5: SPECIFIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

- (A) The discharges are restricted by, and shall be monitored in accordance with, these tables below. In addition, the discharges shall not exceed and shall otherwise conform to the specific terms and conditions listed below.
- (1) All samples shall be comprised of only the wastewater described in these tables. Samples shall be collected prior to combination with receiving waters or wastewater of any other type, and after all approved treatment units, if applicable. All samples collected shall be representative of the discharge during standard operating conditions.
  - (2) In cases where limits and sample type are specified but sampling is not required by this permit, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Environmental Protection personnel, the Permittee, or other parties.
  - (3) The limits imposed on the discharges listed in this permit take effect on the issuance date of this permit unless noted otherwise. Hence any sample taken after this date which, upon analysis, shows an exceedance of permit limits will be considered non-compliance.
  - (4) The monitoring requirements begin on the date of issuance of this permit if the issuance date is on or before the 12<sup>th</sup> day of a month. For permits issued on or after the 13<sup>th</sup> day of a month, monitoring requirements begin the 1<sup>st</sup> day of the following month.

**SECTION 6: SAMPLE COLLECTION, HANDLING AND ANALYTICAL TECHNIQUES**

(A) Chemical Analysis

(1) Chemical analyses to determine compliance with limits and conditions established in this permit shall be performed using "sufficiently sensitive" methods approved pursuant to the 40 CFR 136 for the analysis of pollutants having approved methods under that part unless an alternative method has been approved in writing pursuant to 40 CFR 136.4 or as provided in section 22a-430-3(j)(7) of the RCSA. Chemicals which do not have approved methods of analysis defined in 40 CFR 136 shall be analyzed in accordance with "sufficiently sensitive" methods specified in Section 6(A)(2) of this permit, unless an alternative method has been specifically approved in writing by the Commissioner.

(2) The following test methods shall be used to analyze the parameters identified below.

PARAMETER	METHOD OF ANALYSIS
Acetone	EPA Method 624
Acrylamide	EPA Method 8032
Benzoic Acid	EPA Method 625
Bisphenol A	ASTM D7065-06
Butanol	EPA Method 8015
Butyl acetate	EPA Method 624
Chlorine, Total Residual (DSN 001B only)	Standard Methods DPD Methodology
Cresol, para	EPA Method 625
Diethyl amine	EPA Method 1671
Dimethyl amine	EPA Method 1671
Epichlorohydrin	EPA Method 624
Ethanol	EPA Method 8015
Ethyl acrylate	EPA Method 624
Ethylene glycol	EPA Method 1671
Formaldehyde	EPA Method 1667
Furfural	EPA Method 8315
Isobutanol	EPA Method 8015
Isopropanol	EPA Method 8015
Isopropylamine	EPA Method 8015
Methanol	EPA Method 8015
Methyl acrylate	EPA Method 624
Methyl ethyl ketone	EPA Method 624
Methyl methacrylate	EPA Method 624
Nonylphenol	ASTM D7065-06
Propylene glycol	EPA Method 1671
Styrene	EPA Method 624
tert-Butyl alcohol	EPA Method 8015
Triethylamine	EPA Method 8015
Xylene	EPA Method 624

If it is determined that any of the methods identified above are not appropriate for analyzing the subject parameter, the Permittee shall notify the Department as to the reason that the method is not appropriate and shall propose, for the approval of the Commissioner, a more suitable alternative method.

- (3) If, during the term of this permit, a method is approved for use to analyze any of the parameters identified in this permit and that method is capable of achieving a lower minimum level than either the minimum level identified in the Section 5 Tables or the minimum level that is achievable using one of the methods identified in Paragraph 6(A)(2) above, the Permittee shall give notice to the Commissioner that it has determined that a more "sufficiently sensitive" test method is available and shall immediately begin monitoring using that method.
- (4) All metals analyses identified in this permit shall refer to analyses for Total Recoverable Metal as

defined in 40 CFR 136 unless otherwise specified.

- (5) The Minimum Levels and Matrix-Specific Minimum Levels specified in the Section 5 Tables represent the concentrations at which quantification must be achieved and verified during the chemical analyses for the parameters. Analyses for these parameters must include check standards within ten per cent of the specified Minimum Level or Matrix-Specific Minimum Level or calibration points equal to or less than the specified Minimum Level or Matrix-Specific Minimum Level.
- (6) The value of each parameter for which monitoring is required under this permit shall be reported to the maximum level of accuracy and precision possible consistent with the requirements of this section of the permit.
- (7) Effluent analyses for which quantification was verified during the analysis at or below the levels specified in the Section 5 Tables and which indicate that a parameter was not detected shall be reported as "less than x" where 'x' is the numerical value equivalent to the analytical method detection limit for that analysis.
- (8) Results of effluent analyses which indicate that a parameter was not present at a concentration greater than or equal to the Minimum Level/Matrix-Specific Minimum Level specified for that analysis shall be considered equivalent to zero (0.0) for purposes of determining compliance with limitations or conditions specified in this permit.
- (9) The analytical method used to determine the concentration of polychlorinated biphenyls (PCBs) shall be EPA Method 608.

## SECTION 7: AQUATIC TOXICITY TESTING

### (A) Acute Aquatic Toxicity Testing: DSN 002

- (1) Samples for monitoring of Aquatic Toxicity shall be collected and handled as prescribed in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (EPA-821-R-02-012). Specifically,
  - (a) Composite samples shall be chilled as they are collected. Grab samples shall be chilled immediately following collection. Samples shall be held at 0-6 °C until Aquatic Toxicity testing is initiated.
  - (b) Effluent samples shall not be dechlorinated, filtered, or, modified in any way, prior to testing for Aquatic Toxicity unless specifically approved in writing by the Commissioner for monitoring at this facility.
  - (c) Chemical analyses of the parameters identified in the permit under "Chemical Analysis Required with Toxicity Test" shall be conducted on an aliquot of the same sample tested for Aquatic Toxicity. At a minimum, pH, specific conductance, total alkalinity, total hardness, and total residual chlorine shall be measured in the effluent sample and, during Aquatic Toxicity tests, in the highest concentration of test solution and in the dilution (control) water at the beginning of the test and at test termination. If total residual chlorine is not detected at test initiation, it does not need to be measured at test termination. Dissolved oxygen, pH, and temperature shall be measured in the control and all test concentrations at the beginning of the test, daily thereafter, and at test termination.
  - (d) Tests for Aquatic Toxicity shall be initiated within 36 hours of sample collection.
- (2) Monitoring for Aquatic Toxicity to determine compliance with the permit limit/condition on Aquatic Toxicity (invertebrate) above shall be conducted for 48-hours utilizing neonatal *Daphnia pulex* (less than 24-hours old)

- (3) Monitoring for Aquatic Toxicity to determine compliance with the permit limit/condition for Aquatic Toxicity (vertebrate) above shall be conducted for 48-hours utilizing larval *Pimephales promelas* (1-14 days old with no more than 24-hours range in age).
- (4) Tests for Aquatic Toxicity shall be conducted as prescribed for static non-renewal acute tests in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (EPA-821-R-02-012), except as specified below.
  - (a) Pass/Fail (single-concentration) tests shall be conducted at a specified CTC equal to the Aquatic Toxicity Limit, or 100% in the case of monitoring only conditions.
  - (b) Organisms shall not be fed during the tests.
  - (c) Copper nitrate shall be used as the reference toxicant.
  - (d) Synthetic freshwater prepared with deionized water adjusted to a hardness of 50 mg/L ( $\pm 5$  mg/L) as CaCO<sub>3</sub> shall be used as dilution water.
- (6) Compliance shall be demonstrated when the results of a valid pass/fail Aquatic Toxicity test indicates there is 90% or greater survival in the effluent at the specified CTC.

**(B) Chronic (and Modified Acute) Aquatic Toxicity Testing: DSN 001**

- (1) Chronic aquatic toxicity testing shall be performed on the discharge for the following: *Ceriodaphnia dubia* for survival and reproduction and *Pimephales promelas* for larval growth and survival. Acute aquatic toxicity requirements shall be determined from the first 48 hours of a valid chronic toxicity test. This testing shall be accomplished as follows:
  - (a) Chronic (and modified acute) toxicity testing shall be performed in accordance with the test methodology established in *Short-term Methods For Estimating The Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms* (EPA-821-R-02-013)
  - (b) Daily composite samples of the discharge shall be collected on: Day 1 of the test (for test initiation and renewal on Day 2 of the test); Day 3 of the test (for test solution renewal on Day 3 and Day 4 of the test); and on Day 5 of the test, (for test solution renewal on Day 5, Day 6, and Day 7 of the test).
  - (c) Chronic toxicity tests shall be comprised of a minimum of five effluent dilutions: 100% effluent, 50% effluent, 26% effluent, 12.5% effluent, 6.25% effluent, and if applicable, a dilution that represents a calculated IWC% effluent concentration as determined in Section 7(B)(4)(b). Quinnipiac River water shall be used as the dilution water unless approval has been obtained from the Department to use an alternative dilution water.
  - (d) Quinnipiac River water shall be collected approximately 500 feet upstream of the confluence of DSN 001 and DSN 002, outside of any area potentially impacted by DSN 001 and downstream of other effluent sources. Quinnipiac River water shall be collected on each renewal day.
  - (e) If the Quinnipiac River dilution water is found or is suspected to be toxic or unreliable, an alternative dilution water standard shall be used in the toxicity test. The use of an alternative dilution water standard is species-specific and shall be conditionally allowed in either of the following two instances:
    - i) Instance 1: *When an invalid toxicity test is repeated.* In this instance, the Permittee shall implement the use of an alternative dilution water sample without the approval of the Department if the following conditions are met: 1) the test is repeated during the required time frame; 2) the alternative dilution water is of known quality with hardness, pH, conductivity, alkalinity, organic carbon, and total suspended solids,

similar to that of the Quinnipiac River and the alternative dilution water does not produce a toxic response; 3) receiving water controls are run during the alternative dilution water tests; 4) a complete toxicity test report is submitted by the Permittee and it shall clearly document: that site water toxicity rendered the first test invalid; that a re-test was conducted using an alternative dilution water that matched the characteristics of the site water; that site water controls were included in the re-test; and that the site water controls of the re-test met the minimum acceptability criteria. However, if the re-test documented that the site water controls met the minimum test acceptability criteria, site water must be used as the diluent in future toxicity tests. If the site water controls of the re-test failed to meet test acceptability criteria, an alternative dilution water may be used in future toxicity tests using the effected test organism after submitting written documentation to the Department.

- ii) Instance 2: *In future toxicity tests, where there are at least two recent documented incidents where use of the Quinnipiac River as the dilution water was found to be unreliable.* In this instance, the Permittee must receive written approval from the Commissioner prior to using an alternative dilution water. The documentation submitted to the Department in support of the use of alternative dilution water in this instance must include the following: Documentation of site water toxicity including all supporting documentation as well an identification of the effected test organism and an identification of the effected quarterly test period; a description of the alternative dilution water proposed; a description of the controls that will be used in future toxicity tests. Upon approval, the Permittee shall implement the use of the alternative dilution water testing for the term of the permit. [In February 2011, the Permittee proposed to use an alternative dilution water for toxicity testing using *Pimephales promelas* because of the documented incidences where the Quinnipiac River was found to be unreliable for use with this species. The Permittee proposes to use synthetic freshwater as an alternative dilution water for this species. Based on the representations made by the Permittee, the Department has approved the use of an alternative dilution water (i.e., synthetic freshwater prepared as described in Section 7(B)(1)(f) below) for toxicity testing involving *Pimephales promelas*.]
- (f) Synthetic freshwater prepared with deionized water adjusted to a hardness of 50 mg/l ( $\pm 5$  mg/l) as CaCO<sub>3</sub> prepared as described in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* (EPA-821-R-02-013) shall be used as laboratory control water.
- (g) All samples, including composite samples, shall be chilled as they are being collected and shall not be dechlorinated, filtered, or modified in any way prior to the testing.
- (h) Chemical analysis for the parameters identified in the permit under "Chemical Analysis required with Toxicity Test" shall be conducted on an aliquot of each sample of effluent and each sample of Quinnipiac River water used in the test.
- (i) At a minimum, pH, specific conductance, total alkalinity, total hardness, and total residual chlorine shall be measured in each sample of effluent and Quinnipiac River water used in the test.
- (j) Dissolved oxygen, pH, and temperature shall be measured in each sample of effluent and the Quinnipiac River water prior to and immediately following renewal of the test solutions.
- (k) Tests shall employ neonatal (<24 hours old) *Ceriodaphnia dubia* and newly hatched *Pimephales promelas* (<24 hours old) as test organisms.
- (l) Reference toxicant tests using reagent grade sodium chloride diluted with laboratory water to achieve a dilution series of 0.5, 1, 2, 4, and 8 g/l of sodium chloride shall be conducted on the same population or organisms used for the chronic toxicity test.

- (m) If the laboratory control fails to meet test acceptability criteria for either of the test organisms at the end of the respective test periods, then the test is considered invalid and the test must be repeated.
- (n) In the event of a failure to meet the acute toxicity limitations in Section 5, Tables A1/A2, a single sample of the effluent shall be collected and re-tested for acute aquatic toxicity and the associated chemical parameters. The re-test to determine compliance with the acute toxicity limit shall be performed using a single sample with only the test species that failed and shall be terminated after 48 hours.
- (2) A report detailing the results of the chronic and modified acute toxicity monitoring shall be submitted no later than 60 days following the day sampling was concluded for that test. The report shall include a summary of the test results which includes, at a minimum, percent survival in each replicate test chamber and all supporting chemical/physical measurements performed in association with the toxicity test. Endpoints to be reported are: 48-hour LC<sub>50</sub> (acute endpoint), 7-day LC<sub>50</sub> (survival), 7-day C-NOEC (survival), 7-day C-LOEC (survival), 7-day C-NOEC (growth), 7-day C-LOEC (growth), 7-day C-NOEC (reproduction), 7-day C-LOEC (reproduction), 7-day IC<sub>25</sub> (growth and reproduction).
- (3) If any chronic toxicity test result indicates a C-NOEC for any test species of less than 26% at the completion of the chronic toxicity test, the Permittee shall submit to the Department within 30 days of the conclusion of the test, a brief summary of the test results which includes, at a minimum, percent survival in each replicate test chamber and all supporting chemical/physical measurements performed in association with the toxicity test
- (4) In lieu of demonstrating compliance with the specific maximum daily toxicity limits in Section 5 Table A2, the Permittee may demonstrate compliance with a maximum daily limit based on a re-calculated IWC that reflects the actual flows. The Permittee may re-calculate the IWC based on actual flows, provided: 1) the Permittee maintains an accurate record of measured discharge flows and hours of operation for all days on which a discharge occurs; and 2) the total daily flow for any single operating day does not exceed the average of the daily flows for the thirty consecutive operating days prior to the sampling date by more than 25 per cent.

The re-calculated IWC shall be determined as follows:

- (a) The measured average daily flow (in gallons per hour) shall be tabulated for each of the prior 30 operating days and the arithmetic average for the 30 day period calculated (i.e., "the 30-day average hourly flow").
- (b) The IWC (in gallons per hour) for the thirty consecutive operating days prior to the sampling date shall be calculated by dividing the 30-day average hourly flow by the sum of the 30-day average hourly flow and the dilution (in gallons per hour) allocated to the discharge:

$$IWC\% = \frac{Average\ Daily\ Flow\ (gph)}{Average\ Daily\ Flow\ (gph) + 267.739\ gph} \times 100$$

## SECTION 8: REPORTING REQUIREMENTS

- (A) The results of chemical analyses and any aquatic toxicity test required above shall be entered on the Discharge Monitoring Report (DMR), provided by this office, and reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing) at the following address. [See Attachment for DMR Reporting Names/Codes]. The report shall also include a detailed explanation of any violations of the limitations specified. The DMR shall be received at this address by the last day of the month following the month in which samples are collected.

Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division (Attn: DMR Processing)

Connecticut Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

- (B) Complete and accurate aquatic toxicity test data, including percent survival of test organisms in each replicate test chamber, LC<sub>50</sub> values and 95% confidence intervals for definitive test protocols, and all supporting chemical/physical measurements performed in association with any aquatic toxicity test, shall be entered on the Aquatic Toxicity Monitoring Report form (ATMR) and sent to the Bureau of Water Protection and Land Reuse at the following address. The ATMR shall be received at this address by the last day of the month following the month in which samples are collected.

Bureau of Water Protection and Land Reuse (Attn: Aquatic Toxicity)  
Connecticut Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division (Attn: DMR Processing)  
Connecticut Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

- (C) If this permit requires monitoring of a discharge on a calendar basis (e.g., monthly, quarterly, etc.), but a discharge has not occurred within the frequency of sampling specified in the permit, the Permittee must submit the DMR and ATMR, as scheduled, indicating "NO DISCHARGE". For those Permittees whose required monitoring is discharge dependent (e.g., per batch), the minimum reporting frequency is monthly. Therefore, if there is no discharge during a calendar month for a batch discharge, a DMR must be submitted indicating such by the end of the following month.

**SECTION 9: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS**

- (A) If any sample analysis indicates that an Aquatic Toxicity effluent limitation in Section 5 of this permit has been exceeded, or that the test was invalid, another sample of the effluent shall be collected and tested for Aquatic Toxicity and associated chemical parameters, as described above in Section 5 and Section 6, and the results reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing), at the address listed above, within 30 days of the exceedance or invalid test. Results of all tests, whether valid or invalid, shall be reported.
- (B) If any two consecutive test results or any three test results in a twelve month period indicates that an Aquatic Toxicity Limit has been exceeded, the Permittee shall immediately take all reasonable steps to eliminate toxicity wherever possible and shall submit a report to Bureau of Materials Management and Compliance Assurance for the review and approval of the Commissioner in accordance with section 22a-430-3(j)(10)(c) of the RCSA describing proposed steps to eliminate the toxic impact of the discharge on the receiving water body. Such a report shall include a proposed time schedule to accomplish toxicity reduction and the Permittee shall comply with any schedule approved by the Commissioner.
- (C) The Permittee shall notify the Bureau of Materials Management and Compliance Assurance, Water Permitting and Enforcement Division, within 72 hours and in writing within thirty days of the discharge of any substance listed in the application but not listed in the permit if the concentration or quantity of that substance exceeds two times the level listed in the application.

**SECTION 10: SPECIAL CONDITIONS/COMPLIANCE SCHEDULE**

- (A) The Permittee plans to provide continuous flow monitoring for DSN 001-G and DSN 001-H by combining the discharges into one consolidated monitoring point ("piping consolidation"). The Permittee has submitted, for

the Commissioner's review and written approval, plans and specifications for the proposed piping consolidation. On March 14, 2011, these plans and specification were approved. On or before one hundred and eighty (180) days after plan approval, the Permittee shall provide documentation for the approval of the Commissioner that continuous flow monitoring is provided.

- (B) On or before ninety (90) days after approval of the piping consolidation identified in Paragraph 10(A), the Permittee shall collect and analyze a representative sample of the wastewater from the new consolidated monitoring point for purposes of completing Attachment O of the *Permit Application for Wastewater Discharges* and shall submit for the Commissioner's review and written approval a complete and certified Attachment O which shall include the results for all pollutants listed in Tables 1 and 2 and any pollutants listed in Tables 3 and 4 which are known or suspected present in the wastewater. Any and all laboratory data shall also be submitted. The test methods selected for each subject parameter shall be "sufficiently sensitive". Should any of information provided on the Attachment O differ from the information previously submitted, the permit shall be modified in accordance with RCSA section 22a-430-4(p)(5)(B).
- (C) On or before ninety (90) days after issuance of this permit, the Permittee shall provide a thorough and complete identification to the Commissioner of the name of each raw material that is expected to be used or present in each final product, intermediate, byproduct, chemical additive, or treatment substance. One list shall be provided for Cytec and a separate list shall be provided for Cyro. Should any of information provided differ from the information previously submitted, the permit shall be modified in accordance with RCSA section 22a-430-4(p)(5)(B).
- (D) In addition to RCSA Section 22a-430-3(p) and any other federal, state, or local requirements, the Permittee shall report all spills that discharge to the wastewater treatment plant, storm sewers, ground or surface waters to the Bureau of Materials Management and Compliance Assurance, Water Permitting and Enforcement Division within two (2) hours of discovery. Within seven (7) days of each spill event, the Permittee shall submit a written report to the Department which shall include: the date and time of the spill occurrence; the name of the Department staff person that the spill was verbally reported to and the date/time that the verbal notice was made; the volume and type of material spilled; a description of the containment and clean-up measures taken, including the fate of the spilled material; the date/time the remedial actions were taken; a determination of the cause of the spill, including whether it was attributable to human error or to equipment failure; a description of equipment and/or process modifications or additional steps required to prevent recurrent spills; a proposal for modifications to prevent recurrent spills, with a schedule to accomplish the modifications. If a future schedule is proposed in order to address a spill, the Permittee must provide the Department with monthly status reports until the work proposed is completed.
- (E) The Permittee shall eliminate/minimize all accidental spills/discharges at the site. This shall be accomplished as follows:
  - (1) On or before sixty (60) days after the date of issuance of this permit, the Permittee shall retain one or more qualified consultants acceptable to the Commissioner to prepare the documents and implement or oversee the actions required by this section of the permit and shall, by that date, notify the Commissioner in writing of the identity of such consultants. The Permittee shall retain one or more qualified consultants acceptable to the Commissioner until the actions required by this section of the permit have been completed, and within ten days after retaining any consultant other than one originally identified under this paragraph, the Permittee shall notify the Commissioner in writing of the identity of such other consultant. The consultant retained to perform the studies and oversee any remedial measures required to achieve compliance with this section of the permit shall be a qualified professional engineer licensed to practice in Connecticut and shall have documented experience in engineering process operations in either the chemical manufacturing industry or the pharmaceutical industry. The Permittee shall submit to the Commissioner a description of a consultant's education, experience, and training that is relevant to the work required by this section of the permit within sixty (60) days after issuance of this permit. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable consultant unacceptable.
  - (2) On or before ninety (90) days after the date of issuance of this permit, the Permittee shall submit for the review and written approval of the Commissioner a comprehensive and thorough technical report which shall outline, in detail, any and all means for preventing and controlling accidental

spills/discharges at the site and for minimizing the effect of such events. Such report shall include:

- (a) An identification of all possible sources of accidental discharge of any raw material, product, by-product, and untreated/partially-treated wastes, that could accidentally be discharged into the waters of the State from any area on-site, including: loading/unloading areas, waste treatment areas, process equipment, and any ancillary equipment associated with these areas or equipment.
  - (b) An identification and detailed description of any and all technology, equipment, and procedures to be implemented at the site in order to eliminate/minimize/prevent accidental spills/releases including, but not limited to: material storage and control; operating procedures; process re-design and modification; spill and leak detection devices/methods; process technology; chemical spill management; monitoring and detection; auditing/inspections; and employee training. For each technology, equipment, or procedure identified in the report, the following information shall also be provided: an evaluation of how each item will achieve compliance with the requirements of this section including a prediction of the effectiveness of each item; the costs (capital and on-going) associated with the implementation of each item; a proposal to implement the preferred alternative or combination of alternatives with supporting justification for each alternative; and an implementation schedule containing dates when the technology, equipment, and procedures will be constructed, implemented, or operational. Such schedule shall represent the most expeditious schedule for performing each alternative.
- (3) On or before sixty (60) days after the approval of the report identified in 10(E)(2) above, the Permittee shall submit, for the review and written approval of the Commissioner, a report containing the following information:
- (a) A detailed implementation program and schedule to perform both the preferred alternative(s) and to submit all engineering plans and specifications related to the preferred alternative(s).
  - (b) A list all permits and approvals required for each alternative, including but not limited to any permits required under sections 22a-32, 22a-42a, 22a-342, 22a-361, 22a-368 or 22a-430 of the Connecticut General Statutes; and a schedule for applying for and obtaining all permits and approvals required for such actions.
- (4) The Permittee shall implement all remedial actions required by this section of the permit in accordance with the approved plans and specifications and the approved schedule as soon as possible. Within fifteen days after completing such actions, the Permittee shall certify to the Commissioner in writing that the actions have been completed as approved.
- (F) With respect to acrylamide in the DSN 001 discharge, the Permittee shall take the following steps:
- (1) On or before thirty (30) days after the date of issuance of this permit, the Permittee shall retain one or more qualified consultants acceptable to the Commissioner to prepare the documents and implement or oversee the actions required by this section of the permit and shall, by that date, notify the Commissioner in writing of the identity of such consultants. The Permittee shall retain one or more qualified consultants acceptable to the Commissioner until the actions required by this section of the permit have been completed, and within ten days after retaining any consultant other than one originally identified under this paragraph, Permittee shall notify the Commissioner in writing of the identity of such other consultant. The consultant retained to perform the studies and oversee any remedial measures required to achieve compliance with this section shall be a qualified professional engineer licensed to practice in Connecticut acceptable to the Commissioner. The Permittee shall submit to the Commissioner a description of a consultant's education, experience and training that is relevant to the work required by this permit within ten days after a request for such a description. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable consultant unacceptable.
  - (2) On or before sixty (60) days after the date of issuance of this permit, the Permittee shall propose

numeric human health water quality criterion for acrylamide for the review and written approval of the Commissioner. The Permittee must demonstrate to the satisfaction of the Commissioner that the proposed criterion will attain and maintain applicable narrative water quality criteria and will fully protect the designated use(s). Such criterion may be derived using a proposed State criterion, or an explicit State policy or regulation interpreting its narrative water quality criterion, supplemented with other relevant information which may include: EPA's *Water Quality Standards Handbook*, current risk assessment data, current exposure data, information about the pollutant from the Food and Drug Administration, and current EPA criteria documents.

- (3) Department staff will conduct a reasonable potential analysis using the proposed numeric criteria for acrylamide submitted by the Permittee. If reasonable potential exists for the acrylamide in the DSN 001 discharge to exceed the proposed criteria, the Department will establish effluent limitations developed from this criteria and shall modify the permit accordingly.
  - (4) The Permittee shall evaluate whether its existing wastewater treatment technology can satisfactorily treat acrylamide in the discharge such that the effluent limits established by the Department as set forth in Paragraph 10(F)(3) will be consistently met. On or before thirty days (30) days after the Department provides the Permittee with these effluent limitations, the Permittee shall submit documentation to the Department that it can either: 1) meet the effluent limitations; 2) cannot meet the effluent limitations.
  - (5) If the Permittee cannot meet the effluent limitations, it shall, within one hundred and eighty (180) days after the Department establishes these limits, provide to the Department, for its review and written approval, a comprehensive and thorough report which describes and evaluates actions which may be taken by the Permittee to achieve compliance with these limitations. Such report shall:
    - (a) evaluate alternative actions to achieve compliance with the limits including, but not limited to, pollutant source reduction, process changes/innovations, chemical substitutions, recycle and zero discharge systems, water conservation measures, and other internal and/or end-of-pipe treatment technologies;
    - (b) state in detail the most expeditious schedule for performing each alternative;
    - (c) list all permits and approvals required for each alternative, including but not limited to any permits required under sections 22a-32, 22a-42a, 22a-342, 22a-361, 22a-368 or 22a-430 of the Connecticut General Statutes;
    - (d) propose a preferred alternative or combination of alternatives with supporting justification; and,
    - (e) propose a detailed program and schedule to perform all actions required by the preferred alternative including, but not limited to a schedule for submission of engineering plans and specifications on any internal and/or end-of-pipe treatment facilities, start and completion of any construction activities related to any treatment facilities, and applying for and obtaining all permits and approvals required for such actions.
  - (6) The Permittee shall implement all actions required by this section of the permit in accordance with the approved plans and specifications and the approved schedule as soon as possible, but in no event later than four and one half years after issuance of this permit. On or before the final compliance date set forth in the approval of Paragraph 10(F)(5), the Permittee shall certify to the Commissioner in writing that the actions have been completed as approved.
- (G) The Permittee shall address the toxicity in DSN 001 in accordance with the following:
- (1) On or before thirty (30) days after the date of issuance of this permit, the Permittee shall retain one or more qualified consultants acceptable to the Commissioner to prepare the documents and implement or oversee the actions required by this section of the permit and shall, by that date, notify the Commissioner in writing of the identity of such consultants. The Permittee shall retain one or more

- qualified consultants acceptable to the Commissioner until the actions required by this section of the permit have been completed, and within ten days after retaining any consultant other than one originally identified under this paragraph, the Permittee shall notify the Commissioner in writing of the identity of such other consultant. The consultant retained to perform the studies and oversee any remedial measures required to achieve compliance with the subject limitations shall be a qualified professional engineer licensed to practice in Connecticut acceptable to the Commissioner. The Permittee shall submit to the Commissioner a description of a consultant's education, experience and training, which is relevant to the work required by this permit within ten days after a request for such a description. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable consultant unacceptable.
- (2) Upon issuance of this permit, if any quarterly chronic test result indicates a C-NOEC for any test species of less than 26% effluent and the testing meets all test acceptability criteria, the Permittee shall notify the Department and immediately evaluate the source of the toxicity and the means in which the toxicity shall be eliminated/reduced. This evaluation shall include, but not be limited to, those protocols identified in EPA guidance<sup>1</sup> for conducting Toxicity Identification Evaluations (TIEs) and Toxicity Reduction Evaluations (TREs), as those protocols relate to the subject discharge.
- (3) Within ninety (90) days of completion of the investigation identified above, the Permittee shall submit a report for the review and written approval of the Commissioner which identifies the cause(s) of the unacceptable level of toxicity in the effluent and identifies the corrective actions that have been taken to reduce or eliminate the toxicity in the effluent. The report shall provide a summary of the information obtained through the investigation and shall specifically include, at a minimum, the following: a list of all sources of toxicity; a list of any and all corrective actions necessary to reduce or eliminate toxicity in the effluent and to prevent the recurrence of toxicity so that compliance with chronic toxicity effluent limitations can be consistently achieved; a detailed evaluation of each corrective action, including the efficiency and feasibility of each corrective action; a description of the manner in which the effectiveness of the remedial actions have been or will be evaluated; an expeditious schedule for the implementation of each corrective action proposed but not already taken; a list of all approvals and permits necessary to implement any future corrective actions; plans and specifications for any future corrective action.
- (4) The Permittee shall implement all approved actions in accordance with the approved plans and specifications and the approved schedule.
- (5) If the corrective actions taken above do not fully address compliance with the chronic whole effluent toxicity limitation identified in Section 5 of this permit to the satisfaction of the Commissioner, additional investigations shall be performed in accordance with a supplemental plan and schedule approved in writing by the Commissioner. Unless otherwise specified in writing by the Commissioner, the supplemental plan and schedule shall be submitted for the Commissioner's review and written approval on or before thirty (30) days after notice from the Commissioner that they are required. The Permittee shall implement all supplemental actions required by this section of the permit in accordance with the approved plans and specifications and the approved schedule.
- (H) The Permittee shall achieve compliance with the Total Phosphorus effluent limitations for DSN 001 in Section 5, Tables A1/A2 in accordance with the following:
- (1) On or before thirty (30) days after the date of issuance of this permit, the Permittee shall retain one or more qualified consultants acceptable to the Commissioner to prepare the documents and implement or oversee the actions required by this section of the permit and shall, by that date, notify the Commissioner in writing of the identity of such consultants. The Permittee shall retain one or more qualified consultants acceptable to the Commissioner until the actions required by this section of the permit have been completed, and within ten days after retaining any consultant other than one originally identified under this paragraph, Permittee shall notify the Commissioner in writing of the identity of such other consultant. The consultant retained to perform the studies and oversee any

<sup>1</sup> EPA Guidance shall include, but is not limited to: *Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations* (EPA 600-2-88-070); *Methods for Aquatic Toxicity Identification Evaluations: Phase I Toxicity Characterization Procedures, Second Edition* (EPA 600-R-91-003); *Methods for Aquatic Toxicity Identification Evaluations: Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity* (EPA 600-R-92-080); *Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity* (EPA 600-R-92-081); *Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluent, Phase I* (EPA 600-6-91-005F).

remedial measures required to achieve compliance with the Total Phosphorus limitations shall be a qualified professional engineer licensed to practice in Connecticut and acceptable to the Commissioner. The Permittee shall submit to the Commissioner a description of a consultant's education, experience and training that is relevant to the work required by this permit within ten days after a request for such a description. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable consultant unacceptable.

- (2) On or before one hundred and eighty (180) days after the date of issuance of this permit, the Permittee shall submit for the Commissioner's review and written approval a comprehensive and thorough report which describes and evaluates alternative actions which may be taken by the Permittee to achieve compliance with the Total Phosphorus effluent limitations in Section 5, Tables A1/A2 of this permit. Such report shall:
    - (a) evaluate alternative actions to achieve compliance with the Phase 1 and Phase 2 Total Phosphorus limits in Section 5 including, but not limited to, pollutant source reduction, process changes/innovations, chemical substitutions, recycle and zero discharge systems, water conservation measures, and other internal and/or end-of-pipe treatment technologies. Such evaluation shall also consider any adverse environmental impacts that may occur with each alternative and quantify that impact;
    - (b) state in detail the most expeditious schedule for performing each alternative;
    - (c) list all permits and approvals required for each alternative, including but not limited to any permits required under sections 22a-32, 22a-42a, 22a-342, 22a-361, 22a-368 or 22a-430 of the Connecticut General Statutes;
    - (d) propose a preferred alternative or combination of alternatives with supporting justification for each Phase; and,
    - (e) propose a detailed program and schedule to perform all actions required by the preferred alternative for each Phase including but not limited to a schedule for submission of engineering plans and specifications on any internal and/or end of pipe treatment facilities, start and completion of any construction activities related to any treatment facilities, and applying for and obtaining all permits and approvals required for such actions.
  - (3) The Permittee shall implement all actions required by this section of the permit in accordance with the approved plans and specifications and approved schedule as soon as possible but in no event shall the actions necessary to achieve compliance with the Phase 2 limit be implemented later than four and one half years after the date of issuance of this permit.
  - (4) On or before the final compliance dates set forth in the approval of Paragraph 10(H)(2), the Permittee shall certify to the Commissioner in writing that it has achieved compliance with the Phase 1 and Phase 2 Total Phosphorus limit(s) in Section 5, Tables A1/A2 of this permit.
- (I) The Permittee shall relocate the DSN 001 outfall from the unnamed tributary directly into the Quinnipiac River ("re-piping project"). This shall be accomplished as follows:
- (1) On or before thirty (30) days after the date of issuance of this permit, the Permittee shall retain one or more qualified consultants acceptable to the Commissioner to prepare the documents and implement or oversee the actions required by this section of the permit and shall, by that date, notify the Commissioner in writing of the identity of such consultants. The Permittee shall retain one or more qualified consultants acceptable to the Commissioner until the actions required by this section of the permit have been completed, and within ten days after retaining any consultant other than one originally identified under this paragraph, Permittee shall notify the Commissioner in writing of the identity of such other consultant. The consultant retained to perform the studies and oversee any remedial measures shall be a qualified professional engineer licensed to practice in Connecticut acceptable to the Commissioner. The Permittee shall submit to the Commissioner a description of a consultant's education, experience and training that is relevant to the work required by this permit

within ten days after a request for such a description. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable consultant unacceptable.

- (2) On or before two hundred and seventy (270) days after the date of issuance of this permit, the Permittee shall submit for the Commissioner's review and written approval a report that shall identify all actions which shall be taken by the Permittee to re-locate the outfall from the un-named tributary directly into the Quinnipiac River. Such report shall:
- (a) evaluate all actions necessary to provide a pipeline to convey the effluent from the wastewater treatment plant directly into the Quinnipiac River.
  - (b) propose a preferred alternative or combination of alternatives with supporting justification; and state in detail the most expeditious schedule for performing each alternative;
  - (c) list all permits and approvals required for each alternative, including but not limited to, any permits required under sections 22a-32, 22a-42a, 22a-342, 22a-361, 22a-368 or 22a-430 of the Connecticut General Statutes and any requirements concerning endangered species;
  - (d) propose a detailed program and schedule to perform all actions required by the preferred alternative including but not limited to a schedule for submission of engineering plans and specifications on any internal and/or end of pipe treatment facilities, start and completion of any construction activities related to any treatment facilities, and applying for and obtaining all permits and approvals required for such actions.
  - (e) provide the following specific information related to the re-piping project:
    - (i) *Outfall Description:* A description of the proposed re-located outfall (i.e., the physical description of the discharge structure, including its location and dimensions, its distance from the nearest bank, its height from the river bottom, the maximum projected flow rate and velocity of the effluent through the structure).
    - (ii) *Computer Modeling:* Results of computer modeling conducted by the Permittee in order to evaluate the projected dispersion of the effluent in the receiving water as the result of the re-location of the outfall. The Permittee shall evaluate all available computer models and select at least one that is most suitable to model the proposed re-located outfall. The Permittee shall submit any and all results of the computer modeling efforts including the input values, the assumptions, and the outcome of the model(s).
    - (iii) *Receiving Water Information:* Information related to the receiving water body, including: the classification of the receiving water; the critical flows of the receiving water; the quality of the receiving water as determined from ambient sample results; channel depth and width; an identification of any and all designated uses of the receiving water in the subject area or, if applicable, in any adjacent waters which the discharged effluent could affect; a description of any known or potential impacts to these uses as a result of re-locating the discharge; an identification of all point source and non-point source discharges within 2,000 feet upstream and downstream of the discharge, including information concerning the impact(s) of the re-located discharge on the receiving water relative to the neighboring discharges.
    - (iv) *Dilution Projection:* The Permittee shall estimate the projected dilution that the re-located outfall will provide.
  - (f) provide a schedule for the expeditious completion of a tracer study on the outfall.
- (3) The Permittee shall implement all actions required by this section of the permit in accordance with the approved plans and specifications and the approved schedule as soon as possible. Within fifteen (15) days of completing the re-piping project, the Permittee shall certify for the Commissioner's approval

that it has re-located the outfall in accordance with the approved plans and specifications.

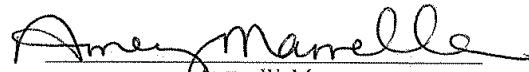
- (4) Following re-location of the outfall from the tributary into the Quinnipiac River, the Permittee shall conduct a tracer (dye) study in order to evaluate the dispersion of the effluent in the receiving water as a result of the re-location of the outfall. The dye study shall be conducted using good engineering practices and shall be undertaken during critical receiving flow conditions and during normal plant production and discharge conditions. Following completion of the dye study, the Permittee shall submit to the Department any and all information concerning the manner in which the dye study was carried out as well as a detailed description of the behavior of the effluent plume in the receiving water, including all conclusions drawn as a result of the study. The Permittee shall also estimate the dilution ratio that the re-located outfall provides based on the dye study. This ratio shall represent critical dilution at the edge of the mixing zones under worse-case scenario conditions using the smallest feasible mixing zones. The results of the dye study and all related supporting information noted herein shall be provided within thirty (30) days of completion of the dye study.
- (5) If the results of the dye study demonstrate that the outfall will not provide dilution of at least 3.8:1, the Department shall re-calculate the permit limits using the actual dilution factor and modify the permit accordingly; the Permittee shall immediately comply with these re-calculated limits upon written notification from the Department. If the results of the dye study demonstrate that the outfall will provide dilution in excess of 3.8:1, the Permittee shall continue to comply with limits based on the 3.8:1 dilution, but may request a modification of its permit consistent with the actual dilution factor.
- (J) The Permittee shall submit to the Commissioner quarterly status reports for the projects identified in Section 10 of this permit effective upon permit issuance through to project completion. Status reports shall be due on the following dates: March 1<sup>st</sup>, June 1<sup>st</sup>, September 1<sup>st</sup>, and December 1<sup>st</sup>. Status reports shall include, but not be limited to, a detailed description of progress made by the Permittee in performing actions required by this section of the permit in accordance with the approved schedule including, but not limited to, development of engineering plans and specifications, construction activity, contract bidding, operational changes, preparation and submittal of permit applications, and any other actions required by Section 10 of this permit.
- (K) The Permittee shall use best efforts to submit to the Commissioner all documents required by this section of the permit in a complete and approvable form. If the Commissioner notifies the Permittee that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the Permittee shall correct the deficiencies and resubmit it within the time specified by the Commissioner or, if no time is specified by the Commissioner, within thirty days of the Commissioner's notice of deficiencies. In approving any document or other action under this Compliance Schedule, the Commissioner may approve the document or other action as submitted or performed or with such conditions or modifications as the Commissioner deems necessary to carry out the purposes of this section of the permit. Nothing in this paragraph shall excuse noncompliance or delay.
- (L) Dates. The date of submission to the Commissioner of any document required by this section of the permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this section of the permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" as used in this section of the permit means calendar day. Any document or action which is required by this section only of the permit, to be submitted, or performed, by a date which falls on, Saturday, Sunday, or, a legal Connecticut or federal holiday, shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or legal Connecticut or federal holiday.
- (M) Notification of noncompliance. In the event that the Permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of this section of the permit, except for the final compliance dates above, the Permittee shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the Commissioner, the Permittee shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Permittee shall comply with any dates that may be approved in writing by the Commissioner. Notification by the Permittee shall not excuse noncompliance or delay, and the

**A.3 Industrial Permit Excerpt**

- Commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the Commissioner in writing.
- (N) Notice to Commissioner of changes. Within fifteen days of the date the Permittee becomes aware of a change in any information submitted to the Commissioner under this section of the permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the Commissioner.
- (O) Submission of documents. Any document, other than a discharge monitoring report, required to be submitted to the Commissioner under this section of the permit shall, unless otherwise specified in writing by the Commissioner, be directed to:

Christine Gleason, Sanitary Engineer  
Department of Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127

This permit is hereby issued on May 17, 2011.

  
AMEY W. MARRELLA  
Deputy Commissioner

AWM:CMG

## A.4 POTW Permit Excerpt



Connecticut Department of  
**ENERGY &**  
**ENVIRONMENTAL**  
**P R O T E C T I O N**

79 Elm Street • Hartford, CT 06106-5127

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Affirmative Action/Equal Opportunity Employer

### MUNICIPAL NPDES PERMIT

#### issued to

**Permittee:**

Town of Wallingford  
Sewer Division  
377 South Cherry Street  
Wallingford, Connecticut 06492

**Location Address:**

Wallingford WPCF  
155 John Street  
Wallingford, CT 06492

**Facility ID:** 148-001

**Permit ID:** CT0100617

**Permit Expires:** April 24, 2018

**Receiving Stream:** Quinnipiac River

**Design Flow Rate:** 8,000,000 gallons per day

**SECTION 1: GENERAL PROVISIONS**

- (A) This permit is reissued in accordance with Section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and Section 402(b) of the Clean Water Act, as amended, 33 USC 1251, *et. seq.*, and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer a N.P.D.E.S. permit program.
- (B) The **Town of Wallingford** ("permittee"), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to Section 22a-430 of the CGS and are hereby incorporated into this permit. **Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(10)(C), (j)(11)(C), (D), (E), and (F), (k)(3) and (4) and (l)(2) of Section 22a-430-3.** To the extent this permit imposes conditions more stringent than those found in the regulations, this permit shall apply.

**Section 22a-430-3 General Conditions**

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty to Comply
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
- (h) Duty to Mitigate
- (i) Facility Modifications; Notification
- (j) Monitoring, Records and Reporting Requirements
- (k) Bypass
- (l) Conditions Applicable to POTWs
- (m) Effluent Limitation Violations
- (n) Enforcement
- (o) Resource Conservation
- (p) Spill Prevention and Control
- (q) Instrumentation, Alarms, Flow Recorders
- (r) Equalization

**Section 22a-430-4 Procedures and Criteria**

- (a) Duty to Apply
- (b) Duty to Reapply
- (c) Application Requirements
- (d) Preliminary Review

- (e) Tentative Determination
  - (f) Draft Permits, Fact Sheets
  - (g) Public Notice, Notice of Hearing
  - (h) Public Comments
  - (i) Final Determination
  - (j) Public Hearings
  - (k) Submission of Plans and Specifications. Approval.
  - (l) Establishing Effluent Limitations and Conditions
  - (m) Case-by-Case Determinations
  - (n) Permit Issuance or Renewal
  - (o) Permit or Application Transfer
  - (p) Permit Revocation, Denial or Modification
  - (q) Variances
  - (r) Secondary Treatment Requirements
  - (s) Treatment Requirements
  - (t) Discharges to POTWs - Prohibitions
- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the permittee to enforcement action including, but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA.
- (D) Any false statement in any information submitted pursuant to this Section of the permit may be punishable as a criminal offense under Section 22a-438 or 22a-131a of the CGS or in accordance with Section 22a-6, under Section 53a-157b of the CGS.
- (E) The permittee shall comply with Section 22a-416-1 through Section 22a-416-10 of the RCSA concerning operator certification.
- (F) No provision of this permit and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the permittee pursuant to this permit will result in compliance or prevent or abate pollution.
- (G) Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state and local law.
- (H) An annual fee shall be paid for each year this permit is in effect as set forth in Section 22a-430-7 of the RCSA. As of October 1, 2009 the annual fee is \$ 2,682.50.

## SECTION 2: DEFINITIONS

- (A) The definitions of the terms used in this permit shall be the same as the definitions contained in Section 22a-423 of the CGS and Section 22a-430-3(a) and 22a-430-6 of the RCSA, except for "Composite" and "No Observable Acute Effect Level (NOAEL)" which are redefined below.
- (B) In addition to the above, the following definitions shall apply to this permit:

"-----" in the limits column on the monitoring tables in Attachment 1 means a limit is not specified but a value must be reported on the DMR, MOR, NAR, and/or the ATMR.

**"Annual"** in the context of any sampling frequency, shall mean the sample must be collected in the month of June.

**"Average Monthly Limit"** means the maximum allowable "Average Monthly Concentration" as defined in Section 22a-430-3(a) of the RCSA when expressed as a concentration (e.g. mg/l); otherwise, it means "Average Monthly Discharge Limitation" as defined in Section 22a-430-3(a) of the RCSA.

**"Bi-Monthly"** in the context of any sampling frequency, shall mean once every two months including the months of February, April, June, August, October and December.

**"Bi-Weekly"** in the context of any sampling frequency, shall mean once every two weeks.

**"Composite"** or **"(C)"** means a sample consisting of a minimum of eight aliquot samples collected at equal intervals of no less than 30 minutes and no more than 60 minutes and combined proportionally to flow over the sampling period

provided that during the sampling period the peak hourly flow is experienced.

**"Critical Test Concentration"** or "**(CTC)**" means the specified effluent dilution at which the permittee is to conduct a single-concentration Aquatic Toxicity Test.

**"Daily Composite"** or "**(DC)**" means a composite sample taken over a full operating day consisting of grab samples collected at equal intervals of no more than sixty (60) minutes and combined proportionally to flow; or, a composite sample continuously collected over a full operating day proportionally to flow.

**"Daily Concentration"** means the concentration of a substance as measured in a daily composite sample, or, arithmetic average of all grab sample results defining a grab sample average.

**"Daily Quantity"** means the quantity of waste discharged during an operating day.

**"Geometric Mean"** is the "n"th root of the product of "n" observations.

**"Grab Sample Average"** means the arithmetic average of all grab sample analyses.

**"Infiltration"** means water other than wastewater that enters a sewer system (including sewer system and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.

**"Inflow"** means water other than wastewater that enters a sewer system (including sewer service connections) from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include, and is distinguished from, infiltration.

**"Instantaneous Limit"** means the highest allowable concentration of a substance as measured by a grab sample, or the highest allowable measurement of a parameter as obtained through instantaneous monitoring.

**"In-stream Waste Concentration"** or "**(IWC)**" means the concentration of a discharge in the receiving water after mixing has occurred in the allocated zone of influence.

**"MGD"** means million gallons per day.

**"Maximum Daily Limit"** means the maximum allowable "Daily Concentration" (defined above) when expressed as a concentration (e.g. mg/l), otherwise, it means the maximum allowable "Daily Quantity" as defined above, unless it is expressed as a flow quantity. If expressed as a flow quantity it means "Maximum Daily Flow" as defined in Section 22a-430-3(a) of the RCSA.

**"Monthly Minimum Removal Efficiency"** means the minimum reduction in the pollutant parameter specified when the effluent average monthly concentration for that parameter is compared to the influent average monthly concentration.

**"NA"** as a Monitoring Table abbreviation means "not applicable".

**"NR"** as a Monitoring Table abbreviation means "not required".

**"No Observable Acute Effect Level"** or "**(NOAEL)**" means any concentration equal to or less than the critical test concentration in a single concentration (pass/fail) toxicity test, conducted pursuant to Section 22a-430-3(j)(7)(A)(i) of the RCSA, demonstrating 90% or greater survival of test organisms at the CTC.

**"Quarterly"** in the context of any sampling frequency, shall mean sampling is required in the months of March, June, September, and December.

**"Range During Sampling"** or "**(RDS)**" as a sample type means the maximum and minimum of all values recorded as a result of analyzing each grab sample of; 1) a Composite Sample, or, 2) a Grab Sample Average. For those permittees with pH meters that provide continuous monitoring and recording, Range During Sampling means the maximum and minimum readings recorded with the continuous monitoring device during the Composite or Grab Sample Average sample collection.

**"Range During Month"** or "**(RDM)**" as a sample type means the lowest and the highest values of all of the monitoring

data for the reporting month.

**"Sanitary Sewage"** means wastewaters from residential, commercial and industrial sources introduced by direct connection to the sewerage collection system tributary to the treatment works including non-excessive inflow/infiltration sources.

**"Semi-Annual"** in the context of any sampling frequency, shall mean the sample must be collected in the months of March and September.

**"Twice per Month"** in the context of any sampling frequency, mean two samples per calendar month collected no less than 12 days apart.

**"ug/l"** means micrograms per liter

**"Work Day"** in the context of a sampling frequency means, Monday through Friday excluding holidays.

### SECTION 3: COMMISSIONER'S DECISION

- (A) The Commissioner of Environmental Protection ("Commissioner") has issued a final decision and found modification of the existing system or installation of a new system would protect the waters of the state from pollution. The Commissioner's decision is based on application #**201004044** for permit reissuance received on June 16, 2010 and the administrative record established in the processing of that application.
- (B) The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit, the above referenced application, and all approvals issued by the Commissioner or his authorized agent for the discharges and/or activities authorized by, or associated with, this permit.
- (C) The Commissioner reserves the right to make appropriate revisions to the permit, if required after Public Notice, in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions which may be authorized under the Federal Clean Water Act or the CGS or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Clean Water Act or CGS or regulations adopted thereunder which are then applicable.

### SECTION 4: GENERAL LIMITATIONS AND OTHER CONDITIONS

- (A) The Permittee shall not accept any new sources of non-domestic wastewater conveyed to its POTW through its sanitary sewerage system or by any means other than its sanitary sewage system unless the generator of such wastewater; (a) is authorized by a permit issued by the Commissioner under Section 22a-430 CGS (individual permit), or, (b) is authorized under Section 22a-430b (general permit), or, (c) has been issued an emergency or temporary authorization by the Commissioner under Section 22a-6k. All such non-domestic wastewaters shall be processed by the POTW via receiving facilities at a location and in a manner prescribed by the permittee which are designed to contain and control any unplanned releases.
- (B) No new discharge of domestic sewage from a single source to the POTW in excess of 50,000 gallons per day shall be allowed by the permittee until the permittee has notified in writing the Municipal Facilities Section of said new discharge. New discharge notifications as described in this section shall be submitted to the staff identified in section 9(H) included herein.
- (C) The permittee shall maintain a system of user charges sufficient to operate and maintain the POTW (including the collection system) and replace critical components.
- (D) The permittee shall maintain a sewer use ordinance that is consistent with the Model Sewer Ordinance for Connecticut Municipalities prepared by the Department of Energy and Environmental Protection. The Commissioner of Environmental Protection alone may authorize certain discharges which may not conform to the Model Sewer Ordinance.
- (E) No discharge shall contain or cause in the receiving stream a visible oil sheen, floating solids, visible discoloration, or foaming to the greatest extent practicable.
- (F) No discharge shall cause acute or chronic toxicity in the receiving water body beyond any Zone Of Influence (ZOI) specifically allocated to that discharge in this permit.

**A.4 POTW Permit Excerpt**

- (G) The permittee shall maintain an alternate power source adequate to provide full operation of all pump stations in the sewerage collection system and to provide a minimum of primary treatment and disinfection at the water pollution control facility to insure that no discharge of untreated wastewater will occur during a failure of a primary power source.
- (H) The average monthly effluent concentration shall not exceed 15% of the average monthly influent concentration for BOD<sub>5</sub> and Total Suspended Solids for all daily composite samples taken in any calendar month.
- (I) Any new or increased amount of sanitary sewage discharge to the sewer system is prohibited where it will cause a dry weather overflow or exacerbate an existing dry weather overflow.
- (J) Sludge Conditions
  - (1) The permittee shall comply with all existing federal and state laws and regulations that apply to sewage sludge use and disposal practices, including but not limited to 40 CFR Part 503.
  - (2) If an applicable management practice or numerical limitation for pollutants in sewage sludge more stringent than existing federal and state regulations is promulgated under Section 405(d) of the Clean Water Act (CWA), this permit shall be modified or revoked and reissued to conform to the promulgated regulations.
  - (3) The permittee shall give prior notice to the Commissioner of any change(s) planned in the permittees' sludge use or disposal practice. A change in the permittees' sludge use or disposal practice may be a cause for modification of the permit.
  - (4) Testing for inorganic pollutants shall follow "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846 as updated and/or revised.
- (K) This permit becomes effective on the 1<sup>st</sup> day of the month following the date of signature.
- (L) When the arithmetic mean of the average daily flow from the POTW for the previous 365 days exceeds 90% of the design flow rate, the permittee shall develop and submit within one year, for the review and approval of the Commissioner, a plan to accommodate future increases in flow to the plant. This plan shall include a schedule for completing any recommended improvements and a plan for financing the improvements.
- (M) When the arithmetic mean of the average daily BOD<sub>5</sub> or TSS loading into the POTW for the previous 365 days exceeds 90% of the design load rate, the permittee shall develop and submit for the review of the Commissioner within one year, a plan to accommodate future increases in load to the plant. This plan shall include a schedule for completing any recommended improvements and a plan for financing the improvements.
- (N) On or before July 31<sup>st</sup> of each calendar year the main flow meter shall be calibrated by an independent contractor in accordance with the manufacturer's specifications. The actual record of the calibration shall be retained onsite and, upon request, the permittee shall submit to the Commissioner a copy of that record.
- (O) The permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications and as outlined in the associated operation and maintenance manual. This includes but is not limited to all preliminary treatment processes, primary treatment processes, recycle pumping processes, anaerobic treatment processes, anoxic treatment processes, aerobic treatment processes, flocculation processes, effluent filtration processes or any other processes necessary for the optimal removal of pollutants. The permittee shall not bypass or fail to operate any of the aforementioned processes without the written approval of the Commissioner.
- (P) On or before 2.5 years from issuance each anaerobic digester unit shall be sampled, in a manner approved in writing by the Commissioner, to determine the amount of grit and depth of scum blanket. The results of the sampling shall be maintained at the POTW and, upon request, the permittee shall submit to the Commissioner a copy of the sampling data.
- (Q) The permittee is hereby authorized to accept septic tank waste at the treatment facility or other locations as approved by the Commissioner.
- (R) The temperature of any discharge shall not increase the temperature of the receiving stream above 85°F, or, in any case, raise the normal temperature of the receiving stream more than 4°F.
- (S) The terms and conditions of this Permit, including but not limited to any effluent limit or similar requirement, remain in effect and enforceable until this permit expires. However, the inclusion of any such term or condition in this permit,

including but not limited to any effluent limit or similar requirement, shall not be deemed or construed to be a waiver of the permittee's ability to contest such term or condition should any such term or condition be included in any subsequent permit issued by the Commissioner.

## SECTION 5: SPECIFIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- (A) The Permittee's discharge(s) shall not exceed and shall otherwise conform to the specific terms and conditions listed in this permit. The Permittee's discharge(s) shall be restricted by, and shall be monitored in accordance with Tables A through G incorporated in this permit as Attachment 1.
- (B) The Permittee shall monitor the performance of the treatment process in accordance with the Monthly Operating Report (MOR) incorporated in this permit as Attachment 2.
- (C) Each year for the period beginning April 1<sup>st</sup> through and including October 31<sup>st</sup> (referred to in this paragraph as "the season") for discharge (DSN) 001-1, the Permittee shall comply with the following limits, which are independent separate requirements; each being enforceable independent of the other:
  - (i) the seasonal average for total phosphorus shall not exceed 0.7 mg/l. This seasonal average shall be calculated by determining the average monthly discharge of total phosphorus for each month during the season, adding the monthly averages together and dividing by 7; and
  - (ii) For no two consecutive months during the season shall the average monthly discharge for total phosphorus exceed 0.7 mg/l.

## SECTION 6: SAMPLE COLLECTION, HANDLING and ANALYTICAL TECHNIQUES

- (A) Chemical Analysis
  - (1) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved pursuant to the Code of Federal Regulations, Part 136 of Title 40 (40 CFR 136) unless an alternative method has been approved in writing pursuant to 40 CFR 136.4 or as provided in Section 22a-430-3-(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 or the RCSA shall be analyzed in accordance with methods specified in this permit.
  - (2) All metals analyses identified in this permit shall refer to analyses for Total Recoverable Metal, as defined in 40 CFR 136 unless otherwise specified.
  - (3) Grab samples shall be taken during the period of the day when the peak hourly flow is normally experienced.
  - (4) Samples collected for bacteriological examination shall be collected between the hours of 11 a.m. and 3 p.m. or at that time of day when the peak hourly flow is normally experienced.
  - (5) The Minimum Levels specified below represent the concentrations at which quantification must be achieved and verified during the chemical analyses for the parameters identified in Attachment 1, Tables A and C. Analyses for these parameters must include check standards within ten percent of the specified Minimum Level or calibration points equal to or less than the specified Minimum Level.

<u>Parameter</u>	<u>Minimum Level</u>
Aluminum	0.050 mg/l
Antimony, Total	0.010 mg/l
Arsenic, Total	0.005 mg/l
Beryllium, Total	0.001 mg/l
Cadmium, Total	0.0005 mg/l
Chlorine, Total Residual	0.050 mg/l
Chromium, Total	0.005 mg/l
Chromium, Total Hexavalent	0.010 mg/l
Copper, Total	0.005 mg/l
Cyanide, Total	0.010 mg/l
Iron, Total	0.040 mg/l
Lead, Total	0.005 mg/l
Mercury, Total	0.0002 mg/l

Nickel, Total	0.005 mg/l
Phosphorus, Total	0.10 mg/l
Selenium, Total	0.005 mg/l
Silver, Total	0.002 mg/l
Thallium, Total	0.005 mg/l
Zinc, Total	0.020 mg/l

- (6) The value of each parameter for which monitoring is required under this permit shall be reported to the maximum level of accuracy and precision possible consistent with the requirements of this Section of the permit.
- (7) Effluent analyses for which quantification was verified during the analysis at or below the minimum levels specified in this Section and which indicate that a parameter was not detected shall be reported as "less than x" where 'x' is the numerical value equivalent to the analytical method detection limit for that analysis.
- (8) Results of effluent analyses which indicate that a parameter was not present at a concentration greater than or equal to the Minimum Level specified for that analysis shall be considered equivalent to zero (0.0) for purposes of determining compliance with effluent limitations or conditions specified in this permit.
- (B) Acute Aquatic Toxicity Test
- (1) Samples for monitoring of Acute Aquatic Toxicity shall be collected and handled as prescribed in "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA-821-R-02-012).
- (a) Composite samples shall be chilled as they are collected. Grab samples shall be chilled immediately following collection. Samples shall be held at 0 - 6°C until Acute Aquatic Toxicity testing is initiated.
- (b) Effluent samples shall not be dechlorinated, filtered, or, modified in any way, prior to testing for Aquatic Toxicity unless specifically approved in writing by the Commissioner for monitoring at this facility. Facilities with effluent dechlorination and/or filtration designed as part of the treatment process are not required to obtain approval from the Commissioner.
- (c) Samples shall be taken at the final effluent for Acute Aquatic Toxicity unless otherwise approved in writing by the Commissioner for monitoring at this facility. Samples shall be taken prior to chlorination for Acute Aquatic Toxicity until such time as the Permittee has achieved compliance with final limits on chlorine. After compliance with final chlorine limits has been achieved, samples for Acute Aquatic Toxicity shall be taken post-disinfection unless otherwise approved in writing by the Commissioner for monitoring at this facility.
- (d) Chemical analyses of the parameters identified in Attachment 1, Table C shall be conducted on an aliquot of the same sample tested for Acute Aquatic Toxicity.
- (i) At a minimum, pH, specific conductance, total alkalinity, total hardness, and total residual chlorine shall be measured in the effluent sample and, during Acute Aquatic Toxicity tests, in the highest concentration of the test and in the dilution (control) water at the beginning of the test and at test termination. If total residual chlorine is not detected at test initiation, it does not need to be measured at test termination. Dissolved oxygen, pH, and temperature shall be measured in the control and all test concentrations at the beginning of the test, daily thereafter, and at test termination.
- (e) Tests for Acute Aquatic Toxicity shall be initiated within 36 hours of sample collection.
- (2) Monitoring for Acute Aquatic Toxicity to determine compliance with the permit limit on Acute Aquatic Toxicity (invertebrate) shall be conducted for 48 hours utilizing neonatal (less than 24 hours old) *Daphnia pulex*.
- (3) Monitoring for Acute Aquatic Toxicity to determine compliance with the permit limit on Acute Aquatic Toxicity (vertebrate) shall be conducted for 48 hours utilizing larval (1 to 14-day old with no more than 24 hours range in age) *Pimephales promelas*.
- (4) Tests for Acute Aquatic Toxicity shall be conducted as prescribed for static non-renewal acute tests in "Methods for measuring the Acute Aquatic Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA/821-R-02-012), except as specified below.

- (a) For Acute Aquatic Toxicity limits, and for monitoring only conditions, expressed as a NOAEL value, Pass/Fail (single concentration) tests shall be conducted at a specified Critical Test Concentration (CTC) equal to the Aquatic Toxicity limit, (100% in the case of monitoring only conditions), as prescribed in Section 22a-430-3(j)(7)(A)(i) of the RCSA.
  - (b) Organisms shall not be fed during the tests.
  - (c) Synthetic freshwater prepared with deionized water adjusted to a hardness of  $50\pm 5$  mg/L as CaCO<sub>3</sub> shall be used as dilution water in the tests.
  - (d) Copper nitrate shall be used as the reference toxicant.
- 5) For limits expressed as NOAEL = 100%, compliance shall be demonstrated when the results of a valid pass/fail Acute Aquatic Toxicity Test indicate 90% or greater survival in the effluent sample at the CTC (100%).
- (C) Chronic Aquatic Toxicity Test
- (1) Chronic Aquatic Toxicity testing of the discharge shall be conducted annually during July, August, or September of each year.
  - (2) Chronic Aquatic Toxicity testing shall be performed on the discharge in accordance with the test methodology established in "Short-Term Methods for Estimating The Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms" (EPA-821-R-02-013) as referenced in 40 CFR 136 for *Ceriodaphnia* survival and reproduction and Fathead minnow larval survival and growth.
    - (a) Chronic Aquatic Toxicity tests shall utilize a minimum of five effluent dilutions prepared using a dilution factor of 0.5 (100% effluent, 50% effluent, 25% effluent, 12.5% effluent, 6.25% effluent).
    - (b) Quinnipiac River water collected immediately upstream of the area influenced by the discharge shall be used as control (0% effluent) and dilution water in the toxicity tests.
    - (c) A laboratory water control consisting of synthetic freshwater prepared in accordance with EPA-821-R-02-013 at a hardness of  $50\pm 5$  mg/l shall be used as an additional control (0% effluent) in the toxicity tests.
    - (d) Daily composite samples of the discharge (final effluent following disinfection) and grab samples of the Quinnipiac River, for use as site water control and dilution water, shall be collected on day 0 for test solution renewal on day 1 and day 2 of the test; day 2, for test solution renewal on day 3 and day 4 of the test; and day 4, for test solution renewal for the remainder of the test. Samples shall not be pH or hardness adjusted, or chemically altered in any way. Samples shall not be pH or hardness adjusted, or chemically altered in any way.
  - (3) All samples of the discharge and Quinnipiac River water used in the Chronic Aquatic Toxicity test shall, at a minimum, be analyzed and results reported in accordance with the provisions listed in Section 6(A) of this permit for the parameters listed in Attachment 1, Table C included herein.

## SECTION 7: RECORDING AND REPORTING REQUIREMENTS

- (A) The results of chemical analyses and any aquatic toxicity test required above in Section 5 and the referenced Attachment 1 shall be entered on the Discharge Monitoring Report (DMR) and reported to the Bureau of Water Protection and Land Reuse. The report shall also include a detailed explanation of any violations of the limitations specified. The DMR must be received at the following address by the 15<sup>th</sup> day of the month following the month in which samples are collected:

ATTN: Municipal Wastewater Monitoring Coordinator  
Connecticut Department of Energy and Environmental Protection  
Bureau of Water Protection and Land Reuse, Planning and Standards Division  
79 Elm Street  
Hartford, Connecticut 06106-5127

- (1) For composite samples, from other than automatic samplers, the instantaneous flow and the time of each aliquot sample collection shall be recorded and maintained at the POTW.
- (B) Complete and accurate test data, including percent survival of test organisms in each replicate test chamber, LC<sub>50</sub> values

Federal Effluent Limitation Guideline 40CFR 133 Secondary Treatment Category

- Performance Standards
- Federal Development Document  
name of category
- Department File Information
- Connecticut Water Quality Standards
- Anti-degradation Policy
  - Coastal Management Consistency Review Form
  - Other - Explain

**BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS**

- Secondary Treatment (Section 22a-430-4(r) of the Regulations of Connecticut State Agencies)
  - Case-by-Case Determination (See Other Comments)
  - In order to meet in-stream water quality (See General Comments)
  - Anti-degradation policy

**GENERAL COMMENTS**

The activities authorized within this permit have been reviewed for consistency with the Connecticut Antidegradation Policies and associated implementation guidance contained in the Connecticut Water Quality Standards. The authorized activities are consistent with maintenance and protection of water quality in accordance with Tier I Antidegradation Evaluation and Implementation Review provisions of the Connecticut Water Quality Standards.

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Each parameter was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. The statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of monitoring data and its inherent variability with the calculated water quality based limits indicates a low statistical probability of exceeding such limits. Therefore, no water quality based limits for heavy metals were included in the permit at this time.

The most significant changes from the current permit are the addition of limits on total phosphorus and e. coli along with a compliance schedule for implementation of improvements to meet those new limits.

**OTHER COMMENTS**

This is a reissuance of an existing permit.

A compliance schedule is included for the reduction of phosphorus in the effluent as follows:

Phosphorus Permitting Approach

Phosphorus is a naturally occurring element that is essential to support plant growth. When present in excessive amounts, phosphorus can impair both aquatic life and recreational use of Connecticut's water resources. Excessive nutrient enrichment is a serious threat to water quality in Connecticut. Excessive loading of phosphorus to surface waters as a result of discharges from wastewater treatment plants or non point sources such as runoff from urban and agricultural lands, can lead to algal blooms, including blooms of noxious blue green algae, reduction in water clarity, and in extreme cases depletion of oxygen, fish kills, and other impairments to aquatic life. Currently, 21 water body segments have been identified on Connecticut's List of Waters Not Meeting Water Quality Standards

where nutrient enrichment is a contributing cause of the impairment.

The Connecticut Water Quality Standards (WQS) do not include numeric criteria for nutrients but rather incorporate narrative standards and criteria for nutrients. These narrative policy statements direct the Connecticut Department of Environmental Protection to impose discharge limitations or other reasonable controls on point and non point sources to support maintenance or attainment of designated uses. In the absence of numeric criteria for phosphorus, the Department has developed an interim nutrient management strategy for freshwater non-tidal streams based on the narrative policy statements in the WQS to meet the pressing need to issue NPDES permits and be protective of the environment. The strategy includes methods that focus on phosphorus because it is the primary limiting nutrient in freshwater systems. These methods were approved by the United States Environmental Protection (EPA) in their letter dated October 26, 2010 as an interim strategy to establish water quality based phosphorus limits in non-tidal freshwater for industrial and municipal water pollution control facilities (WPCFs) national pollutant discharge elimination system (NPDES) permits.

The method in the interim strategy uses best available science to identify phosphorus enrichment levels in waste receiving rivers and streams that adequately support aquatic life uses. The methodology focuses on algal communities as the key aquatic life nutrient response variable and phosphorus enrichment factors that represent significant changes in communities based on data collected statewide. Ongoing work is currently being conducted to refine the approach through additional data collection and by expanding the methodology to include non-waste receiving streams. It is expected that the ongoing work will lead to numeric nutrient criteria for all freshwater rivers and streams in the next WQS review cycle. The current approach provides for a major statewide advancement in the level of phosphorus control that is expected to meet all freshwater designated uses. The adaptive nature of Connecticut's strategy allows for revisions to permit limits in future permit cycles without delaying action that we know needs to be taken today.

The current approach follows a watershed based framework incorporating many of the elements from the U.S. EPA Watershed –Based National Pollutant Discharge Elimination System (NPDES) Permitting Technical Guidance (2007). Consistent with the 2007 Guidance, the approach “explicitly considers the impact of multiple pollutant sources and stressors, including nonpoint source contributions, when developing point source permits”. Expected current conditions are based on the probability of excess phosphorus export from land cover and municipal and industrial facilities in the upstream drainage basin. Connecticut's policy for phosphorus management is translated into a numeric expression through geo-spatial and statistical analyses that determines the maximum acceptable seasonal phosphorus mass load per unit area of watershed contributing flow to the point of assessment.

The goal of the interim strategy is to achieve or maintain an enrichment factor (EF) of 8.4 or below throughout a watershed. An EF is representative of the amount of anthropogenic phosphorus loading to river and streams. It is calculated by dividing the current total seasonal phosphorus load by a modeled total phosphorus load under complete forested conditions at a particular point along the river. An enrichment factor is representative of the amount of anthropogenic phosphorus loading to rivers and streams. The goal of an 8.4 enrichment factor represents a threshold at which a significant change is seen in the algal communities indicating highly enriched conditions and impacts to aquatic life uses.

The analysis was conducted using benthic algae collected in rivers and streams throughout CT under varying enrichment conditions. The approach targets the critical ‘growing’ season (April through October) when phosphorus is more likely to be taken up by sediment and biomass because of low flow and warmer conditions. During winter months aquatic plants are dormant and flows are higher providing constant flushing of phosphorus through aquatic systems with a less likely chance that it will settle out into the sediment. Limiting the phosphorus export from industrial and municipal facilities offers a targeted management strategy for achieving aquatic life designated uses within a waterbody. The export of some phosphorus from facilities and other land sources is considered normal use of the land recognizing that humans are part of the environment.

A seasonal load was established by the Department for each facility discharging to non-tidal waters based on the current degree of enrichment of the receiving water body at the point of discharge and the facilities contribution to the total watershed enrichment at the point of discharge.

## **WATER QUALITY LIMIT CALCULATIONS**

See attached.

### Wallingford WPCF Permit Requirements

A compliance schedule has been included for the reduction of phosphorus in the effluent in two steps. The initial step is for the Town to initiate a technology based phosphorus removal limit of 0.7 mg/l. The second step provides nine years for the Town to conduct planning, design and construction of improvements to meet the water quality standards based limits. The benefit of significantly reduced levels of phosphorus being discharged to the receiving stream will be provided prior to the next growing season by Wallingford and other WPCFs in the Quinnipiac River. Providing this level of phosphorus removal now and allowing an extended schedule to meet the water quality standards based limits provides an environmental benefit significantly above that had the Department only required the water quality standards based limits be met within one permit cycle.

The water quality standards based limits are as follows:

A nutrient watershed analysis was conducted for the Quinnipiac River watershed below facilities discharging phosphorus into the river. The facilities discharging to the river include: Southington WPCF, Cheshire WPCF, Meriden WPCF and Wallingford WPCF. The seasonal (April 1<sup>st</sup> through October 31<sup>st</sup>) nutrient loading from each facility discharging to the watershed was reduced to achieve an enrichment factor of 8.4 or lower throughout the river.

The current enrichment factor at the Wallingford WPCF discharge is 66.2. The final proposed seasonal load allocation for Wallingford WPCF is 8.95 lbs/day. This load equates to a proposed treatment performance limit of 0.2 mg/L multiplied by the current seasonal average flow of 5.36 MGD. When this strategy is fully implemented by combining reductions at all facilities located in the same watershed, the NPDES load in the Quinnipiac River will be reduced by 93.40%.

Federal regulations at 40 CFR 122.44(d) indicate that permit issuers are required to determine whether a given point source discharge causes, has the reasonable potential to cause, or contributes to an in-stream excursion above a narrative or numeric criteria within a State water quality standard after consideration of existing controls on point and non-point sources of pollution. If a discharge is found to cause an excursion of a numeric or narrative state water quality criterion, NPDES regulations implementing section 301(b)(1)(C) of the Clean Water Act provide that a permit must contain effluent limits as necessary to achieve state water quality standards. The limit in the permit and the strategy are consistent with the narrative policy statements in the CT WQS and are expected to result in the attainment and maintenance of all designated uses for the water body when the strategy is fully implemented. If the Department develops numeric criteria in the future, or it is found that the current limit under the strategy is not sufficient to achieve designated uses, the goal will be modified and the WPCF will be expected to meet the more stringent water quality goal.

Translating the average performance level of 8.95 lbs/day into enforceable permit limits requires consideration of effluent variability and frequency of monitoring in order to comply with federal permitting regulations. The procedure used is as follows:

1. Consider the permit performance level (0.2 mg/L) to be equivalent to the Long Term Average (LTA).
2. Calculate the Maximum Daily Limit by multiplying the LTA by the 99th percentile LTA Multiplier appearing in Table 5-2 of the Technical Support Document (page 103 of EPA/505/2-90-001) corresponding to a CV of 0.6% to account for effluent variability:

$$\text{Maximum Daily Limit: } 0.2 \text{ mg/L} * 3.11 = 0.622 \text{ mg/L}$$

3. Calculate the Average Monthly Limit by multiplying the LTA by the 95th percentile LTA Multiplier appearing in Table 5-2 of the Technical Support Document corresponding to a CV of 0.6% to account for effluent variability and either n=4 samples/month or n=10 samples/month as appropriate for the facility to account for the precision of estimating the true monthly average based on an average for the days the effluent was sampled:

$$\text{Average Monthly Limit} = 0.2 \text{ mg/l} * 1.55 = 0.31 \text{ mg/l}$$

**Summary of Phosphorus Limits for Wallingford WPCF:**

**Average Daily Load = 8.95 lbs/day**

**Total Seasonal Load = (8.95 lbs/day \* 214 Days/Season) = 1,915 lbs**

**Maximum Daily Limit = 0.622 mg/L**

**Average Monthly Limit = 0.31 mg/L**

**Metals Monitoring**

*Monitoring of copper, silver and zinc will continue from the last permit.*

**Additional Items**

*Per the request of the WPCF, implementation of E. Coli sampling to replace fecal coliform testing shall begin with the issuance of this permit.*

## A.5 Waste Water Discharge Permits for South Central Connecticut

(Adapted from CT DEEP list of Water Permits, October 9 2013)

Program	GENPT TOWN OF BETHANY	GENPT THE BRISTOL HOSPITAL INCORPORATED	GENPT THEIS PRECISION STEEL CORPORATION	GENPT FIRESTONE BUILDING PRODUCTS COMPANY, LLC	GENPT CIGNA HEALTHCARE, INC.
Client					
Permit ID	GSM000097 Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP- Part B	GCW000108 Non-Contact Cooling and Heat Pump Wastewater-GP	GCW000150 Non-Contact Cooling and Heat Pump Wastewater-GP	GMI000099 Miscellaneous Discharges - GP - Transported To Potw < 5000 GPD	GPH000314 Photographic Processing Wastewater-GP
Permit El Type					
App ID	200901916 BETHANY, TOWN OF	200203496 BRISTOL HOSPITAL	200203352 Theis Precision Steel	200501756 FIRESTONE BUILDING PRODUCTS COMPANY	200400369 CIGNA
Site Name					
Site Address Line 1	MS4 PERMIT	BREWSTER RD.	300 BROAD ST	780 JAMES P CASEY RD	32 VALLEY ST
Site City	BETHANY	Bristol	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010
Permit Description		MINOR NON-CONTACT COOLING & HEAT PUMP	MINOR NON-CONTACT COOLING & HEAT PUMP	MISC. DISCHARGE OF SEWER - FLOW < 5,000 GPD AND FIRE SPRINKLER SYSTEM TESTWATER	MINOR PHOTOGRAPHIC PROCESSING
Status	Active	Active	Active	Active	Active
Issued Date	6/19/2009	9/3/2002	8/26/2002	7/18/2005	3/11/2004
Expire Date	1/8/2015	3/29/2015	3/29/2015	10/30/2013	10/14/2014
Affiliate Add1	40 Peck Rd	PO BOX 977	300 BROAD ST	780 JAMES P CASEY RD	32 VALLEY ST
Affiliate City	Bethany	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06524	06011	06010	06010	06010
Program	GENPT WAL-MART STORES EAST, LP	GENPT THEIS PRECISION STEEL CORPORATION	GENPT ENFLOW CORPORATION	GENPT BARNES GROUP INC.	GENPT BAUER HOWDEN INC
Client					EASTERN PLASTICS, INC.
Permit ID	GPH000991 Photographic Processing Wastewater-GP	GTC000045 Tumbling & Cleaning Of Parts Wastewater-GP	GTC000098 Tumbling & Cleaning Of Parts Wastewater-GP	GTC000116 Tumbling & Cleaning Of Parts Wastewater-GP	GTC000194 Tumbling & Cleaning Of Parts Wastewater-GP
Permit El Type					GTC000206 Tumbling & Cleaning Of Parts Wastewater-GP
App ID	200501514 WAL-MART STORE #2719	200202759 Theis Precision Steel	200200557 ENFLOW CORPORATION	200300416 ASSOCIATED SPRING CORPORATION	200203501 BAUER HOWDEN, INC.
Site Name					200203149 EASTERN PLASTICS, INC.
Site Address Line 1	1400 FARMINGTON AVE	300 BROAD ST	315 LAKE AVE	18 MAIN ST	175 CENTURY DR
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010
Permit Description		MINOR PHOTO PROCESSING - BRISTOL# 2719	MINOR TUMBLING OR CLEANING OF PARTS	MINOR TUMBLING & CLEANING OF PARTS WASTEWATER	REAUTHORIZATION FOR MINOR TUMBLING OR CLEANING OF PARTS
Status	Active	Active	Active	Active	Active
Issued Date	6/17/2005	7/1/2002	8/9/2002	3/7/2003	9/3/2002
Expire Date	6/17/2015	12/11/2013	12/11/2013	12/11/2013	12/11/2013
Affiliate Add1	702 SW 8TH	300 BROAD ST	315 LAKE AVE	18 MAIN ST	175 CENTURY DR
Affiliate City	BENTONVILLE	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Affiliate State	AR	CT	CT	CT	CT
Affiliate ZIP	72716	06010	06010	06010	06010

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT ROWLEY SPRING & STAMPING CORPORATION	GENPT MACVAC ENVIRONMENTAL SERVICES INC	GENPT PACSC MOTION CONTROL	GENPT CENTURY SPRING MANUFACTURING COMPANY, INC.	GENPT BEEKLEY CORPORATION	GENPT ADVANCED PRINTING SERVICES, INC.
Client	GTC000218 Tumbling & Cleaning Of Parts Wastewater-GP	GGR001606 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001631 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GTC000260 Tumbling & Cleaning Of Parts Wastewater-GP	GPP000127 Printing and Publishing Wastewater-GP <40 GPD	GPP000146 Printing and Publishing Wastewater-GP <40 GPD
Permit ID						
Permit El Type						
App ID	200203245 ROWLEY SPRING & STAMPING CORPORATION	200702670 CT DOT PROJECT #17- 172 ROUTE 72	200800071 THE SUPERIOR BUSINESS CENTET	200800179 CENTURY SPRING MANUFACTURING COMPANY, INC.	200801329 BEEKLEY CORPORATION	200801337 ADVANCED PRINTING SERVICES, INC.
Site Name	210 REDSTONE HILL RD		383 MIDDLE ST	430 MIDDLE ST	PRESTIGE LANE	135 CROSS ST
Site Address Line 1						
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010	06010
Permit Description	REAUTHORIZATION FOR MINOR TUMBLING OR CLEANING OF PARTS	GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER- CTDOT #17-172, RTE 72-BRISTOL	DEWATERING OF FORMER WASTEWATER LAGOONS (NOW FILLED WITH GROUNDWATER) TO ALLOW REMOVAL OF ASPHALT SUB-BASE	MINOR TUMBLING OR CLEANING OF PARTS WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/19/2002	2/15/2008	2/15/2008	3/25/2008	5/13/2008	5/13/2008
Expire Date	12/11/2013	2/15/2018	2/15/2018	12/11/2013	2/15/2018	2/15/2018
Affiliate Add1	210 REDSTONE HILL RD	481 GRAND AVE	1500 N MITTEL BLVD C/O VIDEO-JET	454 MIDDLE ST PO BOX 301	150 DOLPHIN RD	135 CROSS ST
Affiliate City	BRISTOL	NEW HAVEN	WOOD DALE	BRISTOL	BRISTOL	BRISTOL
Affiliate State	CT	CT	IL	CT	CT	CT
Affiliate ZIP	06010	06513	60191	06010	06010	06010
Program	GENPT GIBBS' WIRE & STEEL COMPANY, INC.	GENPT CITY OF BRISTOL	GENPT VMS CONSTRUCTION COMPANY	GENPT CITY OF BRISTOL	GENPT R & R CORRUGATED PACKAGING CORP.	GENPT THEIS PRECISION STEEL CORPORATION
Client						
Permit ID	GMI000171 Miscellaneous Discharges-GP <5000 GPD	GSM000042 Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	GGR001712 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GWT000030 Water Treatment Wastewater-GP	GPP000091 Printing & Publishing Wastewater-GP	GWT000128 Water Treatment Wastewater-GP
Permit El Type						
App ID	200802566 GIBBS' WIRE AND STEEL COMPANY, INC.	200902663 BRISTOL, CITY OF	200900046 U.S. ROUTE 6 @ ROUTE 69	201005344 BRISTOL WATER FILTRATION PLANT	200903157 R & R CORRUGATED PACKAGING GROUP	201005617 Theis Precision Steel
Site Name	100 WOOSTER CT	MS4 PERMIT	U.S. ROUTE 6 @ ROUTE 69	RESERVOIR NO. 1, TERRYVILLE AVE	360 MINOR RD	300 BROAD ST
Site Address Line 1						
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010		06010	06010
Permit Description	MISC. DISCHARGES OF SEWER COMPATIBLE WASTEWATER		GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER			
Status	Active	Active	Active	Active	Active	Active
Issued Date	12/15/2008	7/21/2009	8/10/2009	8/26/2010	9/9/2010	9/15/2010
Expire Date	10/30/2013	1/8/2015	2/15/2018	3/29/2015	2/15/2018	3/29/2015
Affiliate Add1	PO BOX 520 METALS DR	111 N MAIN ST CITY HALL	162 LAKE ST	119 RIVERSIDE AVE	360 MINOR ST	300 BROAD ST
Affiliate City	SOUTHBURY	BRISTOL	VERNON	BRISTOL	BRISTOL	BRISTOL
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06489	06010	06066	06010	06010	06010

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	WALGREEN EASTERN COMPANY, INC.	WAL-MART STORES, INC.	WAL-MART STORES, INC.	SCARRITT SPAS & HOT TUBS, LLC.	LEMCO PATRICK YANKEE, INC.	HITECH MOBILE SERVICES
Permit ID	GPH001172	GMI000230	GMI000230	GPL000215	GVM000308	GVM001260
Permit El Type	Photographic Processing Wastewater-GP	Miscellaneous Discharges-GP <5000 GPD	Miscellaneous Discharges-GP <5000 GPD	Swimming Pool Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
App ID	201005568	200701878	200701878	201005952	201101189	201101242
Site Name	WALGREENS #10203	WAL-MART STORE #2719	WAL-MART STORE #2719	SCARRITT SPAS & HOT TUBS LLC	YANKEE HARLEY DAVIDSON	HITECH MOBILE SERVICES LLC
Site Address Line 1	25 MAIN STREET	1400 FARMINGTON AVE	1400 FARMINGTON AVE	311 BROAD STREET	488 FARMINGTON AVE	551 BROAD STREET
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site Zip	06010	06010	06010	06010	06010	06010
Permit Description	Store#10203 (25 Main St. Bristol, Ct. 06010) MISCELLANEOUS DISCHARGES SEWER COMPATIBLE WASTEWATERS (WAL-MART STORE# 2719 BRISTOL,CT)	MISCELLANEOUS DISCHARGES SEWER COMPATIBLE WASTEWATERS (WAL-MART STORE# 2719 BRISTOL,CT)			LOCATION: YANKEE HARLEY DIVIDSON@488 FARMINGTON AVE., BRISTOL, CT	Hi Tech Mobile Services LLC - 551 Broad St. Bristol, Ct. 06010
Status	Active	Active	Active	Active	Active	Active
Issued Date	9/16/2010	10/6/2010	10/6/2010	11/4/2010	3/4/2011	3/10/2011
Expire Date	9/9/2020	10/30/2013	10/30/2013	7/9/2014	1/23/2021	1/23/2021
Affiliate Add1	200 WILMOT RD	2001 SE 10TH ST	2001 SE 10TH ST	311 BROAD ST	488 Farmington Ave DBA Yankee Harley-Davidson	551 Broad Street
Affiliate City	DEERFIELD	BENTONVILLE	BENTONVILLE	BRISTOL	Bristol	Bristol
Affiliate State	IL	AR	AR	CT	CT	CT
Affiliate Zip	60015	72716	72716	06010	06010	06010
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	PETROLEUM PARTNERS, INC.	CITY OF BRISTOL DEPT. OF PUBLIC WORKS	CITY OF BRISTOL	CROWLEY NISSAN	CROWLEY CHRYSLER PLYMOUTH, INC.	CROWLEY LINCOLN-MERCURY, INC.
Permit ID	GVM000320	GVM000914	GVM000918	GVM000186	GVM000270	GVM001252
Permit El Type	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
App ID	201101348	201101607	201101844	201102406	201102408	201102409
Site Name	MOBIL ON THE RUN	BRISTOL WATER POLLUTION CONTROL FACILITY	BRISTOL PUBLIC WORKS GARAGE	CROWLEY NISSAN	CROWLEY CHRYSLER JEEP DODGE	Crowley Auto Body
Site Address Line 1	330 MIDDLE ST	75 BATTISTA RD	95 VINCENT P KELLY RD	1451 FARMINGTON AVENUE	1461 FARMINGTON AVE	24 Redstone Street
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	Bristol
Site Zip	06010	06010	06010	06010	06010	06010
Permit Description	Mobil On The Run 330 Middle St. Bristol, Ct. 06010	Bristol Water Pollution Control Facility 75 Battista Rd. Bristol, Ct. 06010	Bristol Public Works Garage 95 Vincent P. Kelly Road Bristol, Ct. 06010			LOCATION: CROWLEY AUTO BODY - 24 RESTONE ST, BRISTOL
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/14/2011	3/18/2011	3/24/2011	4/8/2011	4/8/2011	4/8/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	330 MIDDLE ST	111 N MAIN ST	111 N MAIN ST PUBLIC WORKS DEPT.	1451 FARMINGTON AVE	1461 FARMINGTON AVE	223 BROAD ST
Affiliate City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06010	06010	06010	06010	06010	06010

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	CROWLEY LINCOLN-MERCURY, INC.	BROTHERS ENTERPRISES INC	MÔNRO MUFFLER BRAKE, INC.	DIAMOND JIM'S AUTO DETAILING	TRUE BLUE ENVIRONMENTAL SERVICES LLC	STATE OF CONNECTICUT DEPARTMENT OF CORRECTION
<b>Permit ID</b>	GVM000143	GVM000289	GVM001041	GVM000683	GGR001802	GPH000934
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Photographic Processing Wastewater-GP
<b>App ID</b>	201102410	201102486	201102635	201102623	201106218	200400879
<b>Site Name</b>	CROWLEY KIA	SNO-WHITE CAR WASH	MÔNRO MUFFLER BRAKE INC	DIAMOND JIM'S AUTO DETAILING	MEMORIAL BLVD SCHOOL	MANSON YOUTH INSTITUTE
<b>Site Address Line 1</b>	223 BROAD ST	155 PINE ST	656 FARMINGTON AVE	186 TERRYVILLE RD	MEMORIAL BOULEVARD	42 JARVIS ST
<b>Site City</b>	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	CHESHIRE
<b>Site Zip</b>	06010	06010	06010	06010	06010	06410
<b>Permit Description</b>	Sno-White Car Wash 155 Pine St. Bristol, Ct. 06010	LOCATION: 656 FARMINGTON AVE, BRISTOL, 118 WHITE ST DBA SNO-WHITE CAR WASH	Diamond Jim's Auto Detailing	ENVIRONMENTAL SITE REMEDIATION AT THE FORMER BRISTOL MGP.	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER- MANSON YOUTH INSTITUTE-42 JARVIS ST., CHESHIRE	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/8/2011	4/13/2011	4/21/2011	4/27/2011	8/18/2011	7/7/2004
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	2/15/2018	7/7/2014
<b>Affiliate Add1</b>	223 Broad St	118 WHITE ST DBA SNO-WHITE CAR WASH	5505 STATE ROUTE 19A	186 TERRYVILLE RD	5 NORTHFIELD RD	24 WOLCOTT HILL RD
<b>Affiliate City</b>	Bristol	PLAINVILLE	CASTILE	BRISTOL	WALLINGFORD	WETHERSFIELD
<b>Affiliate State</b>	CT	CT	NY	CT	CT	CT
<b>Affiliate Zip</b>	06010	06062	14427	06010	06492	06109
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	RADIOLOGY ASSOCIATES, INC.	STATE OF CONNECTICUT DEPARTMENT OF CORRECTION	DALTON ENT. INC., D/B/A COPELAND COMPANY	RIMAR INC	DARTER SPECIALIST, INC.	
<b>Permit ID</b>	GPH001034	GPH001030	GGR001198	GPP000095	GPP000133	
<b>Permit El Type</b>	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD	
<b>App ID</b>	200601496	20060120	200801105	200801339	200801353	
<b>Site Name</b>	Meriden Imaging Center, Inc.	CHESHIRE CORRECTIONAL INSTITUTION	Dalton Enterprises, Inc	BUSINESS CARD EXPRESS	DARTER SPECIALTIES, INC.	
<b>Site Address Line 1</b>	680 S Main St	900 HIGHLAND AVE	493 W MAIN ST	613 W JOHNSON AVE	514 CORNWALL AVE	
<b>Site City</b>	Cheshire	CHESHIRE	CHESHIRE	CHESHIRE	CHESHIRE	
<b>Site Zip</b>	06410	06410	06410	06410	06410	
<b>Permit Description</b>	MINOR PHOTOGRAPHIC PROCESSING / 680 S. AMIN ST. CHESHIRE, CT	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER-CHESHIRE CORRECTIONAL INSTITUTION-900 HIGHLAND AVE., CHESHIRE, CT	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	
<b>Status</b>	Active	Active	Active	Active	Active	
<b>Issued Date</b>	5/24/2006	5/15/2006	4/25/2008	5/13/2008	5/13/2008	
<b>Expire Date</b>	5/24/2016	5/15/2016	2/15/2018	2/15/2018	2/15/2018	
<b>Affiliate Add1</b>	101 N PLAINS INDUSTRIAL RD	24 WOLCOTT HILL RD	131 WILLOW ST	613 W JOHNSON AVE DBA Business Card Express	PO BOX 188	
<b>Affiliate City</b>	WALLINGFORD	WETHERSFIELD	CHESHIRE	CHESHIRE	CHESHIRE	
<b>Affiliate State</b>	CT	CT	CT	CT	CT	
<b>Affiliate Zip</b>	06492	06109	06410	06410	06410	

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT STATE OF CONNECTICUT DEPARTMENT OF CORRECTION	GENPT WESSON, INC	GENPT CHESHIRE AUTO BODY, INC.	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GENPT TOWN OF CHESHIRE
Client					
Permit ID	GPP000239 Printing and Publishing Wastewater GP <40 GPD	GGR001689 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001711 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GCW000241 Non-Contact Cooling and Heat Pump Wastewater-GP	GSM000021 Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B
Permit El Type					
App ID	200802099 CHESHIRE CORRECTIONAL INSTITUTION	200802682 FORMER HUXLEY'S MOTORS	200902936 CHESHIRE AUTO BODY INC.	200903120 Northwest Cheshire Pump Station	200903934 CHESHIRE, TOWN OF
Site Name					
Site Address Line 1	900 HIGHLAND AVE	266 S MAIN ST	532 W MAIN ST	1686 Waterbury Road (Route 70)	MS4 PERMIT
Site City	CHESHIRE	CHESHIRE	CHESHIRE	Cheshire	CHESHIRE
Site ZIP	06410	06410	06410	06410	06410
Permit Description	WASTEWATER DISCHARGE TO THE SANITARY SEWER, 10 GALLONS PER DAY OF MINOR PRINTING & PUBLISHING WASTEWATER FROM SILK SCREEN WASHING OPERATIONS.	REMEDIATION PROJECT AT A FORMER GASOLINE STATION	DEWATERING WATER FROM SOIL REMEDIATION PROJECT WILL BE DISCHARGE TO THE POTW.	LOCATION: NORTHWEST CHESHIRE PUMP STATION, CHESHIRE, CT.	
Status	Active	Active	Active	Active	Active
Issued Date	10/20/2008	12/8/2008	8/4/2009	8/26/2009	12/16/2009
Expire Date	2/15/2018	2/15/2018	2/15/2018	3/29/2015	1/8/2015
Affiliate Add1	24 WOLCOTT HILL RD	165 RAILROAD HILL ST	532 W MAIN ST	90 SARGENT DR	84 S MAIN ST TOWN HALL
Affiliate City	WETHERSFIELD	WATERBURY	CHESHIRE	NEW HAVEN	CHESHIRE
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06109	06708	06410	06511	06410
Program	GENPT THE CONNECTICUT LIGHT AND POWER COMPANY	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GENPT ERICKSON METALS CORPORATION	GENPT MICROTECH, INC.	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY
Client					
Permit ID	GVM001362 Vehicle Maintenance Wastewater-GP	GGR001202 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GCW010085 Non-Contact Cooling and Heat Pump Wastewater-GP	GWT000206 Water Treatment Wastewater-GP	GWT000062 Water Treatment Wastewater-GP
Permit El Type					
App ID	201000535 CHESHIRE AREA WORK CENTER	201001538 NORTH CHESHIRE WELL FIELD	201003402 ERICKSON METALS CORPORATION	201005313 MICROTECH, INC.	201005646 SCCRWA SOUTH CHESHIRE WELLFIELD
Site Name					
Site Address Line 1	705 WEST JOHNSON AVENUE	BLACKS ROAD	25 KNOTTER DR	1425 Highland Ave	SOUTH MAIN ST
Site City	CHESHIRE	CHESHIRE	CHESHIRE	Cheshire	CHESHIRE
Site ZIP	06410	06410	06410	06410	06410
Permit Description	Cheshire Area Work Center 705 West Johnson Ave. Cheshire, Ct. 06410	Renewal of Remediation to Sewer General Permit			SCCRWA South Cheshire Wellfield South Main St. Cheshire, Ct. 06410
Status	Active	Active	Active	Active	Active
Issued Date	2/5/2010	4/20/2010	7/26/2010	8/24/2010	9/15/2010
Expire Date	1/23/2021	2/15/2018	3/29/2015	3/29/2015	3/29/2015
Affiliate Add1	PO Box 270	90 SARGENT DR	25 KNOTTER DR	1425 HIGHLAND AVE	90 SARGENT DR
Affiliate City	Hartford	NEW HAVEN	CHESHIRE	CHESHIRE	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06141	06511	06410	06410	06511

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT FUJIKIN OF AMERICA, INC.	GENPT NAPOLITANO 1076 LLC	GENPT MONRO MUFFLER BRAKE, INC.	GENPT BOZZUTO'S INC.	GENPT SPLASH CHESHIRE LLC	GENPT CONSOLIDATED INDUSTRIES ACQUISITION CORPORATION
<b>Permit ID</b>	GWT000007	GVM000503	GVM000992	GVM001335	GVM000185	GWT000163
<b>Permit El Type</b>	Water Treatment Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Water Treatment Wastewater-GP
<b>App ID</b>	201005586	201100914	201101237	201102413	201103404	201102432
<b>Site Name</b>	FUJIKIN OF AMERICA, INC.	NAPOLITANO 1076 LLC	MONRO MUFFLER BRAKE #349	BOZZUTO'S, INC.	SPANKY'S CHESHIRE CAR WASH	CONSOLIDATED INDUSTRIES AQUISITION CORP
<b>Site Address Line 1</b>	604 W JOHNSON AVE	1076 SOUTH MAIN STREET	885 S MAIN ST	275 SCHOOLHOUSE RD	1123 Highland Ave	677 MIXVILLE RD
<b>Site City Site ZIP</b>	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410	Cheshire 06410	CHESHIRE 06410
<b>Permit Description</b>			MONRO MUFFLER BRAKE #349 (885 S Main St. Cheshire, Ct.)		LOCATION: 1123 HIGHLAND AVE, CHESHIRE	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/17/2010	2/25/2011	3/10/2011	4/8/2011	5/19/2011	5/24/2011
<b>Expire Date</b>	3/29/2015	1/23/2021	1/23/2021	1/23/2021	1/23/2021	3/29/2015
<b>Affiliate Add1</b>	604 W Johnson Ave	1076 S MAIN ST	20D HOLLEDER PKWY	275 SCHOOLHOUSE RD	66A Gatehouse Rd	677 MIXVILLE RD
<b>Affiliate City</b>	Cheshire	CHESHIRE	ROCHESTER	CHESHIRE	Stamford	CHESHIRE
<b>Affiliate State</b>	CT	CT	NY	CT	CT	CT
<b>Affiliate ZIP</b>	06410	06410	14615	06410	06902	06410
<b>Program Client</b>	GENPT PHILIPS ELECTRONICS NORTH AMERICA	GENPT 1123 Highland LLC	GENPT CITY OF MERIDEN	GENPT CITY OF MERIDEN	GENPT DOWLING FORD, INC.	GENPT CESHIRE CROSSING HOMEOWNER'S ASSOCIATION, INC.
<b>Permit ID</b>	GGR001354	GVM000185	GWT000316	GWT000316	GVM001631	GDS000214
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Vehicle Maintenance Wastewater-GP	Domestic Sewage Wastewater-GP
<b>App ID</b>	201105420	201200817	200600423	200600423	201301230	201301448
<b>Site Name</b>	150 KNOTTER DR	SPANKY'S CESHIRE CAR WASH	BROAD BROOK FILTER PLANT	BROAD BROOK FILTER PLANT	DOWLING FORD	CESHIRE CROSSING
<b>Site Address Line 1</b>	150 KNOTTER DR	1123 Highland Ave	1285 S MERIDEN RD	1285 S MERIDEN RD	1011 S MAIN ST	WALLINGFORD AVENUE
<b>Site City Site ZIP</b>	CHESHIRE 06410	Cheshire 06410	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410
<b>Permit Description</b>	OPERATION OF A MULTI-PHASE EXTRACTION (MPE) SYSTEM TO REMEDIATE GROUND WATER. CESHIRE, CT	Spanky's Cheshire Car Wash - 1123 Highland Ave. Cheshire, Ct. (Existing Permit No. GVM000185)	WATER TREATMENT WASTEWATER-BROAD BROOK WATER FILTRATION PLANT-CESHIRE, CT	WATER TREATMENT WASTEWATER-BROAD BROOK WATER FILTRATION PLANT-CESHIRE, CT		Cheshire Crossing Condominiums, off Wallingford Rd., Cheshire
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/22/2011	3/1/2012	8/22/2012	8/22/2012	3/14/2013	5/16/2013
<b>Expire Date</b>	2/15/2018	1/23/2021	3/29/2015	3/29/2015	1/23/2021	10/8/2022
<b>Affiliate Add1</b>	9 HAWTHORNE CT	1123 Highland Ave	117 Parker Ave. Dept. of Parks and Public Works	117 Parker Ave. Dept. of Parks and Public Works	1011 S MAIN ST	PO Box 177 C/O QUALITY REALTY, LLC
<b>Affiliate City</b>	NORTH KINGSTOWN	Cheshire	MERIDEN	MERIDEN	CHESHIRE	Wallingford
<b>Affiliate State</b>	RI	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	02852	06410	06450	06450	06410	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT QUINNIPAC UNIVERSITY	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GENPT QUINNIPAC UNIVERSITY	GENPT WALGREEN EASTERN COMPANY, INC.	GENPT Magellan Terminals Holdings, LP	GENPT ELM CITY CHEESE CO INC
Client						
Permit ID	GCW000169	GMI000125	GMI000128	GPH001028	GGR001634	GFP000012
Permit El Type	Non-Contact Cooling and Heat Pump Wastewater-GP	Miscellaneous Discharges-GP- Transported To Potw > 5000 GPD	Miscellaneous Discharges-GP <5000 GPD	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Food Processing Wastewater-GP
App ID	200203224	200601622	200601976	200601156	200800743	200800998
Site Name	QUINNIPAC UNIVERSITY	QUINNIPAC UNIVERSITY	QUINNIPAC UNIVERSITY	WALGREENS #9101	MAGELLAN TERMINALS HOLDINGS, L.P.	ELM CITY CHEESE CO INC
Site Address Line 1	275 MOUNT CARMEL AVE	275 MOUNT CARMEL AVE	275 MOUNT CARMEL AVE	WHITNEY & LINCOLN AVENUES	265 WELTON ST	2240 STATE ST
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06518	06518	06518	06518	06517	06517
Permit Description	MINOR NON-CONTACT COOLING & HEAT PUMP	CLEANING OF WATER DISTRIBUTION PIPELINES ON QUINNIPAC UNIVERSITY CAMPUS	MISCELLANEOUS DISCHARGES OF SEWER COMPATIBLE (MISC) WASTEWATER	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER - STORE# 2171 (HAMDEN)	INSTALLATION OF A GW VAULT TO COLLECT CONTAMINATED GW FOR TREATMENT	DISCHARGE OF FOOD PROCESSING WASTEWATER-PERMIT #GFP000012
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/19/2002	6/7/2006	7/6/2006	4/27/2006	3/14/2008	4/15/2008
Expire Date	3/29/2015	10/30/2013	10/30/2013	4/27/2016	2/15/2018	2/11/2018
Affiliate Add1	275 Mount Carmel Ave	90 SARGENT DR	275 Mount Carmel Ave	200 WILMOT RD MS#2171	PO BOX 21899 ONE WILLIAMS CENTER, MD27-3	2240 STATE ST
Affiliate City	Hamden	NEW HAVEN	Hamden	DEERFIELD	TULSA	HAMDEN
Affiliate State	CT	CT	CT	IL	OK	CT
Affiliate ZIP	06518	06511	06518	60015	74121	06517
Program	GENPT BP PRODUCTS, INC	GENPT TRC ENVIRONMENTAL CORPORATION	GENPT SUPERIOR PRINTING INK CO., INC.	GENPT ALDIN ASSOCIATES LIMITED PARTNERSHIP	GENPT BLUE WAVE POOL SERVICE & SUPPLIES INC	GENPT BLUE WAVE POOL SERVICE & SUPPLIES INC
Client						
Permit ID	GPP000012	GGR001670	GCW000234	GGR001716	GPC000081	GPC000081
Permit El Type	Printing and Publishing Wastewater-GP <40 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Swimming Pool Wastewater-GP-Contractor	Swimming Pool Wastewater-GP-Contractor
App ID	200801316	200801627	200900084	200901945	200800868	200800868
Site Name	BP PRODUCTIONS INC	CT TRANSIT : New Haven Bus Facility	SUPERIOR PRINTING INK CO INC	MT CARMEL MOBIL	BLUE WAVE POOL SERVICE & SUPPLIES INC.	BLUE WAVE POOL SERVICE & SUPPLIES INC.
Site Address Line 1	100 SANFORD ST	2061 STATE ST	750 SHERMAN AVE	3394 WHITNEY AVENUE (RT 10)	11 OVERLOOK DRIVE	11 OVERLOOK DRIVE
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06514	06517	06514	06515	06514	06514
Permit Description	MINOR PRINTING AND PUBLISHING WASTEWATER	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER SEWER	Minor Non-contact Cooling Water GP Registration I		SWIMMING POOL WASTEWATER DISCHARGE	SWIMMING POOL WASTEWATER DISCHARGE
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/13/2008	6/20/2008	2/9/2009	9/8/2009	10/20/2009	10/20/2009
Expire Date	2/15/2018	2/15/2018	3/29/2015	2/15/2018	7/9/2014	7/9/2014
Affiliate Add1	100 SANFORD ST	21 GRIFFIN RD N	750 SHERMAN AVE	77 STERLING RD PO BOX 280405	11 OVERLOOK DR	11 OVERLOOK DR
Affiliate City	HAMDEN	WINDSOR	HAMDEN	EAST HARTFORD	HAMDEN	HAMDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06514	06095	06514	06108	06514	06514

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT TOWN OF HAMDEN	GENPT HAMDEN AUTO BODY L.L.C.	GENPT SUPERIOR SPRING & MFG. CO., INCORPORATED	GENPT SUPERIOR SPRING & MFG. CO., INCORPORATED	GENPT HAMDEN HALL SCHOOL, INC.	GENPT HAMDEN HALL SCHOOL, INC.
<b>Permit ID</b>	GSM000102	GVM001381	GVM001400	GVM001400	GPL000175	GPL000175
<b>Permit El Type</b>	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP
<b>App ID</b>	200903882	201000559	200801128	200801128	200801780	200801780
<b>Site Name</b>	HAMDEN, TOWN OF	HAMDEN AUTO BODY	SUPERIOR SPRING & MFG. CO., INC.	SUPERIOR SPRING & MFG. CO., INC.	HAMDEN HALL ATHLETIC FACILITY	HAMDEN HALL ATHLETIC FACILITY
<b>Site Address Line 1</b>	MS4 PERMIT	2111 DIXWELL AVENUE	2300 STATE ST	2300 STATE ST	255 SKIFF STREET	255 SKIFF STREET
<b>Site City Site Zip</b>	HAMDEN	HAMDEN 06514	HAMDEN 06517	HAMDEN 06517	HAMDEN 06518	HAMDEN 06518
<b>Permit Description</b>	Hamden Auto Body 2111 Dixwell Ave. Hamden, Ct. 06514	DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	SWIMMING POOL WASTEWATER DISCHARGE FROM A PUBLIC POOL	SWIMMING POOL WASTEWATER DISCHARGE FROM A PUBLIC POOL
<b>Status Issued Date Expire Date</b>	Active 12/4/2009	Active 2/23/2010	Active 4/13/2010	Active 4/13/2010	Active 4/14/2010	Active 4/14/2010
<b>Affiliate Add1</b>	1/23/2015 2750 DIXWELL AVE	1/23/2021 2111 DIXWELL AVE	1/23/2021 2300 STATE ST	1/23/2021 2300 STATE ST	7/9/2014 1108 WHITNEY AVE	7/9/2014 1108 WHITNEY AVE
<b>Affiliate City Affiliate State Affiliate Zip</b>	HAMDEN CT 06518	HAMDEN CT 06514	HAMDEN CT 06517	HAMDEN CT 06517	HAMDEN CT 06517	HAMDEN CT 06517
<b>Program Client</b>	GENPT NEW HAVEN COUNTRY CLUB CORPORATION	GENPT NEW HAVEN COUNTRY CLUB CORPORATION	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GENPT OLIN CORPORATION	GENPT PARADISE COUNTRY CLUB, INC	GENPT H.N.S. MANAGEMENT CO.
<b>Permit ID</b>	GPL000200	GPL000200	GWT000267	GGR001745	GPL000100	GVM001436
<b>Permit El Type</b>	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Water Treatment Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Swimming Pool Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	200502530	200502530	200402740	200903077	201002513	201005310
<b>Site Name</b>	NEW HAVEN COUNTRY CLUB	NEW HAVEN COUNTRY CLUB	LAKE WHITNEY WATER TREATMENT PLANT	NEWHALL STREET NEIGHBORHOOD SITE	PARADISE COUNTRY CLUB	CT TRANSIT - New Haven Bus Facility
<b>Site Address Line 1</b>	160 HARTFORD TPKE	160 HARTFORD TPKE	900 WHITNEY AVE	496 Newhall St	83 HILL ST	2061 STATE ST
<b>Site City Site Zip</b>	HAMDEN 06517	HAMDEN 06517	HAMDEN 06517	Hamden 06517	HAMDEN 06514	HAMDEN 06517
<b>Permit Description</b>	SWIMMING POOL WASTEWATER DISCHARGE	SWIMMING POOL WASTEWATER DISCHARGE	WATER TREATMENT WASTEWATER - START UP & OPERATION OF THE NEW LAKE WHITNEY WATER TREATMENT PLANT	REMEDIATION OF THE NEWHALL ST., NEIGHBORHOOD SITE, "NON-PUBLIC PROPERTIES" IN HAMDEN, CT	Operation of two vehicle washers. One oil water separator (CT Transit- New Haven Division 2061 State St. Hamden, Ct. 06517-3834	
<b>Status Issued Date Expire Date</b>	Active 4/22/2010	Active 4/22/2010	Active 4/22/2010	Active 6/3/2010	Active 7/29/2010	Active 8/19/2010
<b>Affiliate Add1</b>	7/9/2014 160 HARTFORD TNPK	7/9/2014 160 HARTFORD TNPK	3/29/2015 90 SARGENT DR	2/15/2018 3855 N OCOEE ST SUITE 200	7/9/2014 83 HILL ST	1/23/2021 2061 State St DBA CT Transit
<b>Affiliate City Affiliate State Affiliate Zip</b>	HAMDEN CT 06517	HAMDEN CT 06517	NEW HAVEN CT 06511	CLEVELAND TN 37312	HAMDEN CT 06514	Hamden CT 06517

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GIERING METAL FINISHING, INCORPORATED	PORCELEN, INC	WALGREEN EASTERN COMPANY, INC.
Permit ID	GWT000063	GWT000064	GWT000065	GWT000193	GTC000270	GPH001198
Permit El Type	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Photographic Processing Wastewater-GP
App ID	201005648	201005647	201005649	201005888	201006126	201006532
Site Name	SCCRWA NORTH SLEEPING GIANT WELLS	SCCRWA NORTH SLEEPING GIANT WELLS	SCCRWA MOUNT CARMEL WELLFIELD	GIERING METAL FINISHING, INC.	PORCELEN LTD. CT. LLC.	WALGREENS #5406
Site Address Line 1	WHITNEY AVE	WHITNEY AVE	SHERMAN AVE	2655 STATE ST	333 WELTON STREET	1191 DIXWELL AVENUE
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06518	06518	06517	06517	06517	06517
Permit Description	SCCRWA South Sleeping Giant Wells Whitney Ave. Hamden, Ct. 06518	SCCRWA North Sleeping Giant Wells Whitney Ave. Hamden, Ct. 06518	SCCRWA Mount Carmel Wellfield Sherman Ave. Hamden, Ct. 06518		Install five stage chrome free pretreatment system for aluminum.	
Status	Active	Active	Active	Active	Active	Active
Issued Date	9/15/2010	9/15/2010	9/17/2010	10/13/2010	11/23/2010	12/13/2010
Expire Date	3/29/2015	3/29/2015	3/29/2015	3/29/2015	12/11/2013	9/9/2020
Affiliate Add1	90 SARGENT DR	90 SARGENT DR	90 SARGENT DR	2655 STATE ST	PO BOX 6308	200 WILMOT RD
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	HAMDEN	HAMDEN	DEERFIELD
Affiliate State	CT	CT	CT	CT	CT	IL
Affiliate ZIP	06511	06511	06511	06517	06517	60015
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	ELRAC, LLC	THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY	ARCHIVAL MICROFILMING SERVICES	Philip Ney	Sloancars.com LLC	CENTRAL, INC.
Permit ID	GVM000609	GVM001225	GPH000669	GVM001483	GVM001484	GVM000789
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Photographic Processing Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
App ID	201006547	201100242	201100360	201100344	201100745	201101191
Site Name	ENTERPRISE RENT-A-CAR COMPANY	Hamden Garage	ARCHIVAL MICROFILMING SERVICES	P&M Motors LLC	SLOANCARS.COM LLC	CENTRAL, INC.
Site Address Line 1	1586 DIXWELL AVE	325 Morse Street	1133 DIXWELL AVE	849 Dixwell Ave	21 PERSHING ST	185 WELTON ST
Site City	HAMDEN	Hamden	HAMDEN	Hamden	HAMDEN	HAMDEN
Site ZIP	06514	06517	06514	06514	06514	06517
Permit Description	1586 Dixwell Ave. Hamden, Ct. 06514	LOCATION: AT&T HAMDEN GARAGE, 325 MORSE ST., HAMDEN, CT		Oil/Water separator installation & connection to public sanitary sewer system-P&M Motors LLC-849 Dixwell Ave., Hamden		Central, Inc. 185 Welton St. Hamden, Ct.
Status	Active	Active	Active	Active	Active	Active
Issued Date	12/14/2010	1/26/2011	2/1/2011	2/10/2011	2/15/2011	3/8/2011
Expire Date	1/23/2021	1/23/2021	1/31/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	131 DANBURY RD DBA ENTERPRISE RENT-A-CAR	308 S. AKARD, ROOM 1911 DBA AT&T CT	1133 DIXWELL AVE	69 Berncliff Dr.	21 Pershing St	185 Welton St
Affiliate City	WILTON	DALLAS	HAMDEN	Northford	Hamden	Hamden
Affiliate State	CT	TX	CT	CT	CT	CT
Affiliate ZIP	06897	75202	06514	06472	06514	06517

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	SPEEDY AUTO SERVICE #516	MÔNRO MUFFLER BRAKE, INC.	MÔNRO MUFFLER BRAKE, INC.	QUINNIPAC UNIVERSITY	Bridgestone Retail Operations, LLC	GREGORY CURELLO
<b>Permit ID</b>	GVM000505	GVM001342	GVM001236	GVM001279	GVM001040	GVM001160
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP-Approval	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201101190	201101212	201101239	201101911	201101929	201101924
<b>Site Name</b>	SPEEDY AUTO SERVICE #516	MÔNRO MUFFLER/BRAKE, INC #195	MÔNRO MUFFLER BRAKE	QUINNIPAC UNIVERSITY	FIRESTONE COMPLETE AUTO CARE	RUSTY BUG RESTORATIONS
<b>Site Address Line 1</b>	1941-47 DIXWELL AVENUE	62 SKIFF STREET EXT	1941 DIXWELL AVENUE	275 MOUNT CARMEL AVE	2300 DIXWELL AVE	10 CRESTWAY
<b>Site City</b>	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
<b>Site ZIP</b>	06514	06514	06514	06518	06514	06514
<b>Permit Description</b>	Permit renewal #GVM000505, Speedy Auto Service #516, 1941-47 Dixwell Ave., Hamden	Monro Muffler/Brake, Inc. 62 Skiff St. Ext. #516. 195.6120 1941 Dixwell Ave. Hamden, Ct. 06514	Monro Muffler Brake #516. 6120 1941 Dixwell Ave. Hamden, Ct. 06514		LOCATION: FIRESTONE COMPLETE AUTO CARE #7045@2300 DIXWELL AVE., HAMDEN	RE: RUSTY BUG RESTORATIONS
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/4/2011	3/9/2011	3/10/2011	3/28/2011	3/28/2011	3/30/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	200 HOLLEDER PKWY	200 HOLLEDER PKWY	200 HOLLEDER PKWY	275 MOUNT CARMEL AVE	333 East Lake Street	10 CRESTWAY
<b>Affiliate City</b>	ROCHESTER	ROCHESTER	ROCHESTER	HAMDEN	Bloomingdale	HAMDEN
<b>Affiliate State</b>	NY	NY	NY	CT	IL	CT
<b>Affiliate ZIP</b>	14615	14615	14615	06518	60108	06514
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	MAURO MOTORS, INC.	QUINNIPAC UNIVERSITY	GREATER NEW HAVEN TRANSIT DISTRICT	PAYLESS REALTY LLC	TOWN OF HAMDEN	TOWN OF HAMDEN
<b>Permit ID</b>	GVM000579	GVM000114	GVM000034	GVM000287	GVM000537	GVM000538
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201102073	201102097	201102473	201102566	201102802	201102803
<b>Site Name</b>	MAURO MOTORS INC	QUINNIPAC UNIVERSITY	GREATER NEW HAVEN TRANSIT DISTRICT	PAYLESS GLASS	HAMDEN PUBLIC WORKS GARAGE	VOED BUILDING
<b>Site Address Line 1</b>	1635 DIXWELL AVE	275 MOUNT CARMEL AVE	840 SHERMAN AVE	1090 DIXWELL AVE	1125 SHEPARD AVE	1255 SHEPARD AVENUE
<b>Site City</b>	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
<b>Site ZIP</b>	06514	06518	06514	06514	06514	06518
<b>Permit Description</b>	Permit Renewal #GVM000579-1653 Dixwell Ave., Hamden	Quinnipiac University, Mount Carmel Campus, Facilities Department	Greater New Haven Transit District 840 Sherman Ave. Hamden, Ct. 06514		Hamden Public Works Garage 1125 Shepard Ave. Hamden, Ct. 06518	Hamden Public Works Garage 1125 Shepard Ave. Hamden, Ct. 06518
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/30/2011	4/4/2011	4/12/2011	4/18/2011	4/20/2011	4/20/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	610 Washington Ave	275 MOUNT CARMEL AVE	840 SHERMAN AVE	527 WETHERSFIELD AVE	2750 DIXWELL AVE	2750 DIXWELL AVE
<b>Affiliate City</b>	North Haven	HAMDEN	HAMDEN	HARTFORD	HAMDEN	HAMDEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06473	06518	06514	06114	06518	06518

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	SPLASH HAMDEN, LLC	BOB THOMAS FORD, INC.	FIRESTONE COMPLETE AUTO CARE	INTERNATIONAL PROVISIONS CO., INC.	Auto Image LLC	Sloancars.com LLC
Permit ID	GVM000756	GVM001516	GVM001040	GFP000060	GVM000244	GVM001634
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Food Processing Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
App ID	201103012	201102414	201106593	200701203	201205560	201301362
Site Name	SPLASH CAR WASH	BOB THOMAS FORD, INC.	FIRESTONE COMPLETE AUTO CARE	INTERNATIONAL PROVISIONS CT INC	AUTO IMAGE	SLOANCARS.COM, LLC
Site Address Line 1	27 CONNOLLY PKWY	2215 DIXWELL AVE	2300 DIXWELL AVE	6 Hamden Park Dr	1822 STATE ST	1050 Sherman Ave
Site City	HAMDEN	HAMDEN	HAMDEN	Hamden	HAMDEN	Hamden
Site ZIP	06514	06514	06514	06517	06517	06514
Permit Description	Splash Car Wash 27 Connolly Pkwy. Hamden, Ct.	GVW000155 INCORRECT PERMIT NUMBER, CHANGED TO GVM001516.	Permit Renewal #GVM001040, 2300 Dixwell Ave., Hamden	DISCHARGE OF FOOD PROCESSING WASTEWATER (FACILITY INT'L PROVISIONS CO INC. 6 HAMDEN PARK DR HAMDEN,CT)	Permit - Véhiclé Maintenance Wastewater-GP (GVM000244)	Small volume vehicle detailing facility
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/29/2011	4/8/2011	9/27/2011	11/4/2011	7/20/2012	3/21/2013
Expire Date	1/23/2021	1/23/2021	1/23/2021	2/11/2018	1/23/2021	1/23/2021
Affiliate Add1	66 Gatehouse Rd	2215 DIXWELL AVE	2300 DIXWELL AVE	13 HAMDEN PARK DR	110 Staffordshire Commons Dr	1050 SHERMAN AVE
Affiliate City	Stamford	HAMDEN	HAMDEN	HAMDEN	Wallingford	HAMDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06902	06514	06514	06517	06492	06514
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	TOWN OF HAMDEN	TOWN OF HAMDEN	TOWN OF HAMDEN	TOWN OF HAMDEN	KLEINFELDER EAST, INC.	
Permit ID	GVM001649	GVM001650	GVM001651	GVM001652	GGR001696	
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	
App ID	201303371	201303372	201303373	201303374	200900795	
Site Name	FIRE STATION #2	HAMDEN FIRE STATION 3	TOWN HALL, FIRE DEPT.#4, HIGHWAY DEPT.	HAMDEN FIRE STATION 9	Mobil Station No. 01-K9T	
Site Address Line 1	71 CIRCULAR AVE	441 Hartford Tpke	2372 WHITNEY AVE	295 Johnson Rd	21 Chamberlain Highway	
Site City	HAMDEN	Hamden	HAMDEN	Hamden	Kensington	
Site ZIP	06514	06517	06518	06518	06037	
Permit Description	Hamden Fire Station 2 - 71 Circular Ave. Hamden, CT. 06514	Hamden Fire Station 3 - 441 Hartford Turnpike Hamden, CT. 06517	Hamden Fire Station 4 - 2372 Whitney Ave Hamden, CT. 06518	Hamden Fire Station 9 - 295 Johnson Rd. Hamden, CT. 06518	Dewatering of the gasoline underground storage tank (UST) area at a retail gasoline service station to facilitate tank removal and reinstallation activities (Mobil Station No. 01-K9T, 21 Chamberlain Highway, Kensington, Ct	
Status	Active	Active	Active	Active	Active	
Issued Date	8/7/2013	8/7/2013	8/7/2013	8/7/2013	4/6/2009	
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	2/15/2018	
Affiliate Add1	2750 DIXWELL AVE	2750 DIXWELL AVE	2750 DIXWELL AVE	2750 DIXWELL AVE	99 LAMBERTON RD	
Affiliate City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	WINDSOR	
Affiliate State	CT	CT	CT	CT	CT	
Affiliate ZIP	06518	06518	06518	06518	06095	

A.5 Waste Water Discharge Permits for South Central Connecticut

Program Client	GENPT EXXONMOBIL ENVIRONMENTAL SERVICES CO	GENPT A G C INCORPORATED	GENPT THE MILLER COMPANY	GENPT State of Connecticut Department of Emergency Services and Public Protection	GENPT RADIOLOGY ASSOCIATES, INC.	GENPT YANKEE GAS SERVICES COMPANY
Permit ID	GGR001696	GCW000105	GCW000149	GPH000349	GPH001038	GTC000071
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP
App ID	200900795	200203346	200203171	200500223	200601668	200203379
Site Name	Mobil Station No. 01-K9T	AGC, INCORPORATED	THE MILLER COMPANY	FORENSIC LAB, PUBLIC SAFETY	PROHEALTH PHYSICIANS IMAGING CENTER, Meriden	Yankee Gas Meriden Area Work Center
Site Address Line 1	21 Chamberlain Highway	106 Evansville Ave	275 PRATT ST	278 COLONY ST	816 Broad St	56 COOPER ST
Site City	Kensington	Meriden	MERIDEN	MERIDEN	Meriden	MERIDEN
Site Zip	06037	06451	06450	06451	06450	06451
Permit Description	Dewatering of the gasoline underground storage tank (UST) area at a retail gasoline service station to facilitate tank removal and reinstallation activities (Mobil Station No. 01-K9T, 21 Chamberlain Highway, Kensington, Ct)	MINOR NON-CONTACT COOLING & HEAT PUMP	MINOR NON-CONTACT COOLING WASTEWATER	MINOR PHOTOGRAPHIC PROCESSING	MINOR TUMBLING OF PARTS	
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/6/2009	9/4/2002	8/20/2002	2/15/2005	6/7/2006	8/29/2002
Expire Date	2/15/2018	3/29/2015	3/29/2015	8/17/2015	6/7/2016	12/11/2013
Affiliate Add1	464 DOUGHTY BLVD	106 EVANSVILLE AVE	290 PRATT ST	278 COLONY ST FORENSIC SCIENCE LABORATORY	101 N PLAINS INDUSTRIAL RD	PO BOX 270
Affiliate City	INWOOD	MERIDEN	MERIDEN	MERIDEN	WALLINGFORD	HARTFORD
Affiliate State	NY	CT	CT	CT	CT	CT
Affiliate Zip	11096	06451	06450	06451	06492	06141
Program Client	GENPT MERIDEN MANUFACTURING CO., INC.	GENPT CANBERRA INDUSTRIES, INC.	GENPT 3M PURIFICATION INC	GENPT HORTON PRINTING CO., INC.	GENPT THOMPSON CANDY CO	GENPT RECORD JOURNAL PUBLISHING COMPANY
Permit ID	GTC000178	GTC000230	GCW000224	GPP000085	GFP000004	GPP000121
Permit El Type	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Food Processing Wastewater-GP	Printing and Publishing Wastewater-GP >40 GPD
App ID	200202802	200200780	200602734	200801303	200801067	200801505
Site Name	MERIDEN MANUFACTURING CO., INC.	CANBERRA INDUSTRIES, INC.	3M PURIFICATION INC (MERIDEN)	HORTON PRINTING CO., INC.	THOMPSON CANDY CO	RECORD JOURNAL
Site Address Line 1	230 STATE STREET EXT	800 RESEARCH PKWY	400 RESEARCH PKWY	130 GOLDEN STREET	80 S VINE ST	11 CROWN STREET
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site Zip	06450	06450	06450	06450	06451	06450
Permit Description	MINOR TUMBLING & CLEANING OF PARTS	MINOR TUMBLING DISCHARGE	MINOR NON-CONTACT COOLING HEAT PUMP WATER	MINOR PRINTING AND PUBLISHING WASTEWATER-130 GOLDEN ST., MERIDEN	DISCHARGE OF FOOD PROCESSING WASTEWATER	DISCHARGE OF MINOR PRINTING AND PUBLISHING WATEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/1/2002	8/21/2002	3/21/2007	5/13/2008	5/20/2008	5/23/2008
Expire Date	12/11/2013	12/11/2013	3/29/2015	2/15/2018	2/11/2018	2/15/2018
Affiliate Add1	230 STATE STREET EXT	800 RESEARCH PKWY	400 RESEARCH PKWY	PO BOX 808	80 S VINE ST	11 CROWN ST PO BOX 915
Affiliate City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06450	06450	06450	06450	06451	06450

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	CITY OF MERIDEN	MID STATE MEDICAL CENTER	MID STATE MEDICAL CENTER	CITY OF MERIDEN	HARTE FAMILY MOTORS, INC.
Permit ID	GMI000165	GPH000512	GPH000512	GSM000038	GVM001322
Permit El Type	Miscellaneous Discharges-GP <5000 GPD	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Vehicle Maintenance Wastewater-GP
App ID	200801942	200801658	200801658	200902769	200903739
Site Name	MERIDEN WATER POLLUTION CONTROL FACILITY	MIDSTATE MEDICAL CENTER	MIDSTATE MEDICAL CENTER	MERIDEN, CITY OF	Harte Chevrolet Inc.
Site Address Line 1	226 EVANSVILLE AVE	435 LEWIS AVE	435 LEWIS AVE	MS4 PERMIT	341 S BROAD ST
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site ZIP	06451	06451	06451	06450	06451
Permit Description	MISC. DISCHARGES OF SEWER COMPATIBLE WASTEWATER /PRESSURE-WASHING & DISPOSAL OF WASH-WATER FROM CLEANING OF EXISTING THREE DIGESTERS...	MINOR PHOTOGRAPHIC WASTEWATER-435 LEWIS STREET-MERIDEN	MINOR PHOTOGRAPHIC WASTEWATER-435 LEWIS STREET-MERIDEN		MINOR NON-CONTACT COOLING AND HEAT PUMP WATER
Status	Active	Active	Active	Active	Active
Issued Date	8/6/2008	5/5/2009	5/5/2009	7/21/2009	11/12/2009
Expire Date	10/30/2013	5/4/2019	5/4/2019	1/8/2015	1/23/2021
Affiliate Add1	226 EVANSVILLE AVE	435 LEWIS AVE	435 LEWIS AVE	142 E MAIN ST	341 S BROAD ST
Affiliate City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06451	06450	06451	06450	06450
Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	290 PRATT ST, LLC	290 PRATT ST, LLC	VAL DARIN POOLS, LLC	VAL DARIN POOLS, LLC
Permit ID	GCW010081	GRS000097	GRS000097	GPL000207	GPL000207
Permit El Type	Non-Contact Cooling and Heat Pump Wastewater-GP	Groundwater Remediation Wastewater To Surface Water-GP	Groundwater Remediation Wastewater To Surface Water-GP	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP
App ID	200801807	200802743	200802743	200602758	200602758
Site Name	UNITED OIL RECOVERY, INC.	MERIDEN ENTERPRISE CENTER	MERIDEN ENTERPRISE CENTER	VAL DARIN POOLS, LLC	VAL DARIN POOLS, LLC
Site Address Line 1	136 GRACEY AVE	290 PRATT STREET	290 PRATT STREET	1032 WEST MAIN STREET	1032 WEST MAIN STREET
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site ZIP	06451	06450	06450	06451	06451
Permit Description	MINOR NON-CONTACT COOLING AND HEAT PUMP WATER	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER DIRECTLY TO SURFACE WATER (MERIDEN ENTERPRISE CENTER 290 PRATT ST MERIDEN, CT 06450)	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER DIRECTLY TO SURFACE WATER (MERIDEN ENTERPRISE CENTER 290 PRATT ST MERIDEN, CT 06450)	SWIMMING POOL WASTEWATER	SWIMMING POOL WASTEWATER
Status	Active	Active	Active	Active	Active
Issued Date	4/12/2010	3/2/2010	3/2/2010	6/4/2010	6/4/2010
Expire Date	3/29/2015	3/29/2015	3/29/2015	7/9/2014	7/9/2014
Affiliate Add1	136 GRACEY AVE	119 W 23RD ST SUITE 903	119 W 23RD ST	1032 W MAIN ST	1032 W MAIN ST
Affiliate City	MERIDEN	NEW YORK	NEW YORK	MERIDEN	MERIDEN
Affiliate State	CT	NY	NY	CT	CT
Affiliate ZIP	06451	10011	10011	06451	06451

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	3M PURIFICATION INC.	ATRIUM CONDOMINIUM ASSOCIATION, INC.	CROWN VILLAGE CONDOMINIUM	THE YORK HILL TRAP ROCK QUARRY COMPANY	MIDSTATE MEDICAL CENTER	WALGREEN EASTERN COMPANY, INC.
<b>Permit ID</b>	GMI000127	GPL000208	GPL000209	GCW010073	GWT000112	GPH001192
<b>Permit El Type</b>	Miscellaneous Discharges-GP <5000 GPD	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Water Treatment Wastewater-GP	Photographic Processing Wastewater-GP
<b>App ID</b>	200601856	201004040	201004039	201005368	201005658	201005546
<b>Site Name</b>	3M PURIFICATION INC. (MERIDEN)	ATRIUM CONDOMINIUMS	CROWN VILLAGE CONDOMINIUM	975 WESTFIELD RD	MIDSTATE MEDICAL CENTER	WALGREEN N. 9820
<b>Site Address Line 1</b>	400 RESEARCH PKWY	1274 E Main St	581 CROWN STREET	975 WESTFIELD RD	435 LEWIS AVE	825 EAST MAIN STREET
<b>Site City</b>	MERIDEN	Meriden	MERIDEN	MERIDEN	MERIDEN	MERIDEN
<b>Site Zip</b>	06450	06450	06450	06450	06451	06450
<b>Permit Description</b>	MISC. GENERAL PERMIT pesticide filter testing		LOCATION: 581 CROWN ST., MERIDEN, CT		Midstate Medical Center 435 Lewis Ave Meriden, Ct. 06451	Store# 9820 (825 Main St. Meriden, Ct. 06450)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/21/2006	6/21/2010	6/24/2010	9/1/2010	9/17/2010	10/18/2010
<b>Expire Date</b>	10/30/2013	7/9/2014	7/9/2014	3/29/2015	3/29/2015	10/17/2020
<b>Affiliate Add1</b>	400 RESEARCH PKWY	PO Box 1664 C/O ALAN BARBERINO REAL ESTATE, LLC.	PO Box 1664 C/O ALAN BARBERINO REAL ESTATE, LLC.	975 WESTFIELD RD	435 Lewis Avenue	200 WILMOT RD
<b>Affiliate City</b>	MERIDEN	Wallingford	Wallingford	MERIDEN	Meriden	DEERFIELD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	IL
<b>Affiliate ZIP</b>	06450	06492	06492	06450	06050	60015
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	Sterling Village Association	THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY	LANGAN VOLKSWAGEN MERIDEN LLC	ZOEL AUTO BODY, INC.	Three Three Three Broad, LLC	CITY OF MERIDEN
<b>Permit ID</b>	GPL000216	GVM000842	GVM001230	GVM000147	GVM001022	GVM001163
<b>Permit El Type</b>	Swimming Pool Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201005229	201100244	201100807	201100751	201101486	201101673
<b>Site Name</b>	STERLING VILLAGE ASSOCIATION	AT&T MERIDEN WC #7807	LANGAN VOLKSWAGEN MERIDEN LLC	ZOEL'S AUTO BODY & AUTO CENTER	THREE THREE THREE BROAD LLC	MERIDEN TRANSFER STATION
<b>Site Address Line 1</b>	560 YALE AVENUE	1441 N COLONY RD	375 S BROAD ST	19 HALL AVE	333 SOUTH BROAD STREET	55 MICHAEL DR
<b>Site City</b>	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
<b>Site Zip</b>	06450	06450	06450	06451	06450	06450
<b>Permit Description</b>	MERIDEN	LOCATION: AT&T MERIDEN GARAGE, 1441 NORTH COLONY RD., MERIDEN, CT	Permit Renewal #GVM001230			Public Works Dept. 55 Michael Dr. Meriden, Ct. 06450
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	11/24/2010	1/26/2011	2/23/2011	2/23/2011	3/11/2011	3/22/2011
<b>Expire Date</b>	7/9/2014	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	PO Box 2504	308 S. AKARD, ROOM 1911 DBA AT&T CT	375 SOUTH BROAD ST	19 HALL AVE DBA ZOEL'S BODY & AUTO CENTER	333 South Broad Street	142 E MAIN ST DEPARTMENT OF PUBLIC WORKS
<b>Affiliate City</b>	Meriden	DALLAS	MERIDEN	MERIDEN	Meriden	MERIDEN
<b>Affiliate State</b>	CT	TX	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06450	75202	06450	06451	06450	06450

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	SEARS, ROEBUCK AND CO.	DANBY'S SERVICE STATION'S INC.	HUNTER'S AMBULANCE SERVICE INC	HUNTER'S AMBULANCE SERVICE INC	YANKEE GAS SERVICES COMPANY	THE ALDERMAN MOTOR COMPANY
<b>Permit ID</b>	GVM001284	GVM001259	GVM001184	GVM001159	GVM000985	GVM000601
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201102455	201102367	201102616	201102618	201102634	201102607
<b>Site Name</b>	SEARS #104316053	DANBY'S A-1 GULF	HUNTER'S AMBULANCE	HUNTER'S AMBULANCE SERVICE	YANKEE GAS AREA WORK CENTER	ALDERMAN MOTOR COMPANY
<b>Site Address Line 1</b>	470 LEWIS AVE	882 E MAIN ST	450-474 WEST MAIN STREET	20 PARKWAY PL	55 COOPER ST	380 S BROAD ST
<b>Site City</b>	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
<b>Site ZIP</b>	06451	06450	06451	06450	06451	06450
<b>Permit Description</b>	Permit Renewal #GVM001284, Sears #104316053, 470 Lewis Ave., Meriden		Hunter's Ambulance Service 450-474 West Main St. Meriden, Ct.	Hunter's Ambulance Service - 20 Parkway Pl Meriden, Ct. 06450	Meriden Area Work Center 56 Cooper St. Meriden, Ct. 06451	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/13/2011	4/13/2011	4/18/2011	4/18/2011	4/18/2011	4/20/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	333 Bevverly Rd B5-348A	872 EAST MAIN ST DBA DANBY'S A1 AUTO SERVICE	450 W MAIN ST	450 W MAIN ST	PO BOX 270	380 S BROAD ST
<b>Affiliate City</b>	Hoffman Estates	MERIDEN	MERIDEN	MERIDEN	HARTFORD	MERIDEN
<b>Affiliate State</b>	IL	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	60179	06450	06451	06451	06141	06450
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	GENGRAS MOTORS LLC	PROTEIN SCIENCES CORPORATION	WALGREENS	DAYTON CONSTRUCTION COMPANY, INC.	TRUE BLUE ENVIRONMENTAL SERVICES LLC	TRUE BLUE ENVIRONMENTAL SERVICES LLC
<b>Permit ID</b>	GVM001280	GMI000250	GPH001207	GGR001829	GGR001845	GGR001845
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Miscellaneous Discharges-GP <5000 GPD	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	201103154	201105525	201105190	201200187	201204998	201204998
<b>Site Name</b>	CENTRAL CONNECTICUT VOLVO LLC	PROTEIN SCIENCES 1000 RESEARCH PARKWAY CAMPUS	WALGREENS #5948	Bridge No. 01080	Yankee Gas Meriden Area Work Center	Yankee Gas Meriden Area Work Center
<b>Site Address Line 1</b>	30 POMEROY AVE	1000 RESEARCH PKWY	CHAMBERLAIN HWY	Route 71 over Harbor Brook	56 COOPER ST	56 COOPER ST
<b>Site City</b>	MERIDEN	MERIDEN	MERIDEN	Meriden	MERIDEN	MERIDEN
<b>Site ZIP</b>	06450	06450	06451		06451	06451
<b>Permit Description</b>	CENTRAL CT. VOLVO LLC, 30 POMEROY AVE, MERIDEN	RESEARCH, DEVELOPMENT AND MANUFACTURING OF THERAPEUTICS (PHARMACEUTICALS) USING INSECT CELL CULTURE TECHNOLOGY.	Walgreens #(5948) 425 W. Main St. Meriden, Ct. 06451-3801	Rehabilitation of Bridge #001080 over Harbor Brook along Cook Avenue Meriden, Ct.	Yankee Gas-Meriden Area Work Center, 56 Cooper Street, Meriden	Yankee Gas-Meriden Area Work Center, 56 Cooper Street, Meriden
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	5/5/2011	7/13/2011	7/20/2011	2/9/2012	6/8/2012	6/8/2012
<b>Expire Date</b>	1/23/2021	10/30/2013	7/19/2021	2/15/2018	2/15/2018	2/15/2018
<b>Affiliate Add1</b>	30 POMEROY AVENUE	1000 RESEARCH PKWY	1435 Lake Cook Rd MS. C4275	146 BUNKER HILL RD	5 NORTHFIELD RD	5 NORTHFIELD RD
<b>Affiliate City</b>	MERIDEN	MERIDEN	Deerfield	WATERTOWN	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	CT	IL	CT	CT	CT
<b>Affiliate ZIP</b>	06450	06450	60015	06795	06492	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	YANKEE GAS SERVICES COMPANY	CITY OF MERIDEN	CITY OF MERIDEN	CITY OF MERIDEN	CAMRAC, LLC	CITY OF MERIDEN
<b>Permit ID</b>	GRS000144	GVM001605	GWT000315	GWT000315	GVM001613	GWT000317
<b>Permit El Type</b>	Groundwater Remediation Wastewater To Surface Water-GP	Véhiclé Maintenance Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Water Treatment Wastewater-GP
<b>App ID</b>	201205229	201205285	200600426	200600426	201206016	200600425
<b>Site Name</b>	Yankee Gas Meriden Area Work Center	MERIDEN PUBLIC SCHOOLS DISTRICT MAINTENANCE FACILITY	MERIMERE FILTRATION PLANT	MERIMERE FILTRATION PLANT	ENTERPRISE RENT-A-CAR	MERIDEN WATER POLLUTION CONTROL FACILITY
<b>Site Address Line 1</b>	56 COOPER ST	998 N COLONY RD	RESERVOIR ROAD	RESERVOIR ROAD	412 SOUTH BORAD STREET	226 EVANSVILLE AVE
<b>Site City</b>	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
<b>Site ZIP</b>	06451	06450	WATER TREATMENT WASTEWATER-MERIMERE WATER TREATMENT PLANT-RESERVOIR RD., MERIDEN, CT	WATER TREATMENT WASTEWATER-MERIMERE WATER TREATMENT PLANT-RESERVOIR RD., MERIDEN, CT	Discharge of Car Wash Wastewater	WATER TREATMENT WASTEWATER-EVANSVILLE AVE., MERIDEN, CT
<b>Permit Description</b>	RIVER BANK RESTORATION AND FLOOD CONTROL CONSTRUCTION ACTIVITIES - MERIDEN	District Maintenance Building - conversion of existing commercial facility for 15,000 s.f. school maintenance facility				
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/20/2012	6/26/2012	8/22/2012	8/22/2012	9/6/2012	9/18/2012
<b>Expire Date</b>	3/29/2015	1/23/2021	3/29/2015	3/29/2015	1/23/2021	3/29/2015
<b>Affiliate Add1</b>	107 Selden St	22 Liberty St Mer. Pub. Schools Facilities Dept	117 Parker Ave Dept of Parks and Public Works	117 Parker Ave Dept of Parks and Public Works	8 ELLA GRASSO TPKE	117 Parker Ave Dept of Parks and Public Works
<b>Affiliate City</b>	Berlin	Meriden	MERIDEN	MERIDEN	WINDSOR LOCKS	MERIDEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06037	06450	06450	06450	06096	06450
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	CITY OF MERIDEN	Ragozzino Foods, Inc.	DRYFOOS ENVIRONMENTAL CONSULTING, LLC	CITY OF MERIDEN	CITY OF MERIDEN	ALDIN ASSOCIATES LIMITED PARTNERSHIP
<b>Permit ID</b>	GWT000317	GFP000063	GFP000063	GWT000323	GWT000323	GGR001868
<b>Permit El Type</b>	Water Treatment Wastewater-GP	Food Processing Wastewater-GP	Food Processing Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	200600425	201300955	201300955	200600422	200600422	201301517
<b>Site Name</b>	MERIDEN WATER POLLUTION CONTROL FACILITY	71 CHAMBERLAIN HIGHWAY	71 CHAMBERLAIN HIGHWAY	BRADLEY & HUBBARD TREATMENT PLANT	BRADLEY & HUBBARD TREATMENT PLANT	357 WEST MAIN STREET
<b>Site Address Line 1</b>	226 EVANSVILLE AVE	71 CHAMBERLAIN HWY	71 CHAMBERLAIN HWY	off WESTFIELD STREET	off WESTFIELD STREET	357 W MAIN ST
<b>Site City</b>	MERIDEN	MERIDEN	MERIDEN	Meriden	Meriden	MERIDEN
<b>Site ZIP</b>	06451	06451	06451	06450	06450	06451
<b>Permit Description</b>	WATER TREATMENT WASTEWATER-EVANSVILLE AVE., MERIDEN, CT	Ragozzino Foods - 71 Chamberlain Highway Meriden, CT. 06451	Ragozzino Foods - 71 Chamberlain Highway Meriden, CT. 06451	WATER TREATMENT WASTEWATER-BRADLEY HUBBARD TREATMENT FACILITY, WESTFIELD RD., MERIDEN, CT	WATER TREATMENT WASTEWATER-BRADLEY HUBBARD TREATMENT FACILITY, WESTFIELD RD., MERIDEN, CT	REMEDIATION PROJECT AT A FORMER GASOLINE STATION. Former Meriden Sunoco, 357 West Main St., Meriden
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/18/2012	3/18/2013	3/18/2013	3/19/2013	3/19/2013	3/28/2013
<b>Expire Date</b>	3/29/2015	2/11/2018	2/11/2018	3/29/2015	3/29/2015	2/15/2018
<b>Affiliate Add1</b>	117 Parker Ave Dept of Parks and Public Works	10 Ames Ave	893 DUNBAR HILL RD	117 Parker Ave Dept of Parks and Public Works	117 Parker Ave Dept of Parks and Public Works	77 STERLING RD
<b>Affiliate City</b>	MERIDEN	Meriden	HAMDEN	MERIDEN	MERIDEN	EAST HARTFORD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06450	06451	06514	06450	06450	06108

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT LENARD ENGINEERING, INC.	GENPT CITY OF MERIDEN	GENPT CITY OF MERIDEN	GENPT CLASS ACT AUTO WASH, LLC	GENPT AGC INCORPORATED	GENPT GREENCORP,LLC
Client						
Permit ID	GGR001868	GPL000245	GPL000246	GVM001646	GCW000269	GCW000269
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP
App ID	201301517	201300538	201300845	201303022	201303009	201303009
Site Name	357 WEST MAIN STREET	PLATT HIGH SCHOOL	MALONEY HIGH SCHOOL	CLASS ACT AUTO WASH, LLC	AGC, INCORPORATED	AGC, INCORPORATED
Site Address Line 1	357 W MAIN ST	220 COE AVE	121 GRAVEL ST	1 Research Pkwy	106 Evansville Ave	106 Evansville Ave
Site City	MERIDEN	MERIDEN	MERIDEN	Meriden	Meriden	Meriden
Site ZIP	06451	06451	06450	06450	06451	06451
Permit Description	REMEDIATION PROJECT AT A FORMER GASOLINE STATION. Former Meriden Sunoco, 357 West Main St., Meriden	Renovations to the pool and replacement of the entire pool filtration system at Platt High School - 220 Coe Ave. Meriden, CT. 06451	Francis T. Maloney High School, 122 Gravel St., Meriden	1 RESEARCH PKWY., MERIDEN	CHANGE IN OWNERSHIP	CHANGE IN OWNERSHIP
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/28/2013	4/23/2013	4/23/2013	6/14/2013	6/21/2013	6/21/2013
Expire Date	2/15/2018	7/9/2014	7/9/2014	1/23/2021	3/29/2015	3/29/2015
Affiliate Add1	2210 Main St	22 Liberty St Mér. Pub. Schools Facilities Dept	22 Liberty St Mér. Pub. Schools Facilities Dept	PO BOX 1627	106 EVANSVILLE AVE	51 Ashaway Rd
Affiliate City	Glastonbury	Meriden	Meriden	MERIDEN	MERIDEN	Ashaway
Affiliate State	CT	CT	CT	CT	CT	RI
Affiliate ZIP	06033	06450	06450	06450	06451	02804
Program	GENPT D & V MORIN CONSTRUCTION CO., INC.	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT THE JOHN B. PIERCE LABORATORY, INC.	GENPT YALE-NEW HAVEN HOSPITAL, INC.	GENPT YALE UNIVERSITY
Client						
Permit ID	GVM001648	GCW000096	GCW000097	GCW000205	GCW000220	GMI000053
Permit El Type	Véhiclé Maintenance Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Miscellaneous Discharges-GP <5000 GPD
App ID	201303121	200203779	200203778	200402610	200600207	200301792
Site Name	D&V MORIN CONSTRUCTION	CENTRAL CAMPUS	YALE SCHOOL OF MEDICINE	The John B. Pierce Laboratory	YALE NEW HAVEN MEDICAL CENTER	YALE UNIV. SCHOOL OF MEDICINE, THE ANLYAN CENTER
Site Address Line 1	118 EMPIRE AVE	20 ASHMUN ST	333 CEDAR ST	290 Congress Ave	55 DAGGETT ST	300 CEDAR ST
Site City	MERIDEN	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN	NEW HAVEN
Site ZIP	06450	06511	06510	06519	06519	06519
Permit Description	MINOR NON-CONTACT COOLING & HEAT PUMP	MINOR NON-CONTACT COOLING & HEAT PUMP	DISCHARGE OF MINOR NON-CONTACT COOLING WATER FROM TRANE A/C UNIT & TEST LABS	NON-CONTACT COOLING WATER FROM VARIOUS PIECES OF EQUIPMENT	NON-CONTACT COOLING WATER FROM VARIOUS PIECES OF EQUIPMENT	MISC DISCHARGE OF SEWER COMPATIBLE WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/29/2013	10/31/2002	10/31/2002	11/17/2004	2/24/2006	7/9/2003
Expire Date	1/23/2021	3/29/2015	3/29/2015	3/29/2015	3/29/2015	10/30/2013
Affiliate Add1	118 EMPIRE AVE	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	290 CONGRESS AVE	20 YORK ST	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY
Affiliate City	MERIDEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06450	06510	06510	06519	06504	06510

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	YALE UNIVERSITY	MAGELLAN TERMINALS HOLDINGS, LP	FRANK CAPASSO & SONS, INC.	YALE-NEW HAVEN HOSPITAL, INC.	HOFFMAN PRESS, INC.	STATE OF CONNECTICUT DEPARTMENT OF CORRECTION
Permit ID	GMI000054	GMI000103	GMI000104	GMI000114	GPH000338	GPH000937
Permit El Type	Miscellaneous Discharges-GP <5000 GPD	Miscellaneous Discharges-GP >5000 GPD	Miscellaneous Discharges-GP >5000 GPD	Miscellaneous Discharges-GP-Fire Sprinkler System Testwater	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP
App ID	200301791	200501693	200502078	200502585	200403008	200400758
Site Name	YALE UNIVERSITY SCIENCE CAMPUS	85 EAST STREET TERMINAL	TEMPLE STREET GARAGE	YALE NEW HAVEN MEDICAL CENTER	HOFFMAN PRESS, INC., THE	NEW HAVEN CORRECTIONAL CENTER
Site Address Line 1	120 TOWER PKWY	85 EAST ST	1 TEMPLE ST	55 DAGGETT ST	30 PRINTERS LN	245 WHALLEY AVE
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06511	06511	06510	06519	06519	06511
Permit Description	MISC DISCHARGES OF SEWER COMPATIBLE WASTEWATER	DISCHARGE OF TREATED WASTE WATER TO POTW AT MAGELLAN'S 85 EAST STREET TERMINAL-MISCELLANEOUS DISCHARGES OF SEWER COMPATIBLE WASTEWATER.	DISCHARGE OF WATER DUE TO HYDRO-DEMOLITION AT TEMPLE STREET GARAGE (BASEMENT LEVEL).	FIRE SPRINKLER SYSTEM TESTWATER FROM VARIOUS PIECES OF FIRE SUPPRESSION EQUIPMENT	MINOR PHOTOGRAPHIC PROCESSING	NEW HAVEN CORRECTIONAL CENTER - MINOR PHOTOGRAPHIC PROCESSING WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/9/2003	7/29/2005	9/9/2005	12/20/2005	12/9/2004	7/7/2004
Expire Date	10/30/2013	10/30/2013	10/30/2013	10/30/2013	7/12/2015	7/7/2014
Affiliate Add1	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	PO BOX 21899 MD 27-3	1003 MIDDLETON AVE	20 YORK ST	30 PRINTERS LN	24 WOLCOTT HILL RD
Affiliate City	NEW HAVEN	TULSA	NORTHFORD	NEW HAVEN	NEW HAVEN	WETHERSFIELD
Affiliate State	CT	OK	CT	CT	CT	CT
Affiliate Zip	06510	74121	06472	06504	06519	06109
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	THE JOHN B. PIERCE LABORATORY, INC.	WAL-MART STORES EAST, LP	QUALEX INC	C. COWLES & COMPANY	AMERICAN SEAL & ENGINEERING COMPANY, INC.	THE SCHULZ ELECTRIC COMPANY
Permit ID	GPH000950	GPH000998	GPH001016	GTC000099	GTC000128	GTC000148
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP
App ID	200402216	200501521	200502366	200300477	200203276	200203383
Site Name	The John B. Pierce Laboratory	WAL-MART STORE #5439	RITE AID #000441	C. COWLES & COMPANY	AMERICAN SEAL & ENGINEERING	Schulz Electric Company
Site Address Line 1	290 Congress Ave	315 FOXON BLVD	66 CHURCH ST	83 WATER ST	156 GANDO DR	30 GANDO DR
Site City	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06519	06513	06510	06511	06513	06513
Permit Description	MINOR PHOTOGRAPHIC PROCESSING - NEW HAVEN # 5439	MINOR PHOTO PROCESSING - NEW HAVEN # 5439	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER-RITE AID #000441-66 CHURCH ST., NEW HAVEN, CT	MINOR TUMBLING OR CLEANING OF PARTS	MINOR TUMBLING OR CLEANING OF PARTS	MINOR TUMBLING OR CLEANING OF PARTS
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/27/2004	6/17/2005	11/28/2005	3/7/2003	9/4/2002	8/28/2002
Expire Date	8/27/2014	6/17/2015	11/28/2015	12/11/2013	12/11/2013	12/11/2013
Affiliate Add1	290 CONGRESS AVE	702 SW 8TH DR	4020 STIRRUP CREEK DR	83 WATER ST	156 GANDO DR	30 GANDO DR
Affiliate City	NEW HAVEN	BENTONVILLE	DURHAM	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	AR	NC	CT	CT	CT
Affiliate Zip	06519	72716	27703	06511	06513	06513

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT CONCENTRA MEDICAL CENTER	GENPT YALE UNIVERSITY	GENPT KARBOWSKI & SONS, LLC
Client						
Permit ID	GPH000385	GPH000386	GPH000387	GPH001052	GHT000017	GVM001089
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Hydrostatic Pressure Testing Wastewater-GP	Vehicle Maintenance Wastewater-GP
App ID	200602773	200602772	200602764	200602251	200603003	200702568
Site Name	SCIENCE/CENTRAL CAMPUS	YALE SCHOOL OF MEDICINE	CMHC/ THE CONNECTICUT MENTAL HEALTH CENTER	CONCENTRA MEDICAL CENTER	YALE UNIVERSITY	TEDS AUTO CENTER
Site Address Line 1	2 WHITNEY AVE	333 CEDAR ST	34 PARK STREET	370 JAMES ST	70 SACHEM ST	144 MAIN STREET ANX
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06510	06510	06508	06513	06511	06512
Permit Description	MINOR PHOTOGRAPHIC PROCESSING (SCIENCE/CENTRAL CAMPUS)	MINOR PHOTOGRAPHIC PROCESSING (SCHOOL OF MEDICINE)	MINOR PHOTOGRAPHIC WASTEWATER-CONNECTICUT MENTAL HEALTH CENTER-34 PARK ST., NEW HAVEN	MINOR PHOTOGRAPHIC PROCESSING - NO FEES YET	HYDROSTATIC PRESSURE TEST OF NEW STEAM LINE (NEW HAVEN, CT)	VEHICLE MAINTENANCE WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/26/2006	10/26/2006	10/26/2006	11/8/2006	12/26/2006	11/20/2007
Expire Date	10/26/2016	10/26/2016	10/26/2016	11/8/2016	3/29/2015	1/23/2021
Affiliate Add1	135 COLLEGE ST OFFICE ENVIR. HEALTH & SAFETY	135 COLLEGE ST OFFICE ENVIR. HEALTH & SAFETY	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	900 NORTHRUP RD	2 WHITNEY AVE	144 MAIN STREET ANX DBA TED'S AUTO CENTER
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	WALLINGFORD	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06510	06510	06510	06492	06510	06512
Program	GENPT YALE UNIVERSITY	GENPT BAIER CONSTRUCTION COMPANY, INC.	GENPT THE HARTY PRESS INC	GENPT CANNELLI PRINTING COMPANY, INC.	GENPT GOODCOPY PRINTING CENTER, INC.	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
Client						
Permit ID	GPP000222	GGR001641	GPP000042	GPP000129	GPP000170	GGR001428
Permit El Type	Printing & Publishing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer GP	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
App ID	200702619	200700933	200801301	200801326	200801300	200801489
Site Name	YALE UNIVERSITY, ENVIRONMENTAL HEALTH & SAFETY	RECONSTRUCTION OF GRAND AVENUE BRIDGE	THE HARTY PRESS, INC.,	CANNELLI PRINTING CO., INC.	GOODCOPY PRINTING CENTER INC.	Q BRIDGE PROJECT
Site Address Line 1	353 CROWN ST	GRAND AVENUE	25 JAMES ST	65 LAURA ST	110 HAMILTON STREET	333 WATERFRONT ST
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06511	06511	06513	06512	06511	06512
Permit Description	DISCHARGE OF MINOR PRINTING AND PUBLISHING WASTEWATER	GRAND AVENUE BRIDGE NEW HAVEN - GROUNDWTR REMED TO A SANITARY SEWER RECONSTRUCTION OF GRAND AVENUE BRIDGE-GRAND AVE., NEW HAVEN	MINOR PRINTING AND PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	MINOR PRINTING AND PUBLISHING WASTEWATER	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/5/2008	2/15/2008	5/13/2008	5/13/2008	5/13/2008	5/23/2008
Expire Date	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018
Affiliate Add1	135 COLLEGE ST OFFICE ENVIR. HEALTH & SAFETY	50 E DUDLEY TOWN RD	25 JAMES ST PO BOX 324	65 LAURA ST	110 HAMILTON ST PO BOX 8088	250 Sackett Point Rd C/O Earth Technology, Inc.
Affiliate City	NEW HAVEN	BLOOMFIELD	NEW HAVEN	NEW HAVEN	NEW HAVEN	NORTH HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06510	06002	06513	06512	06511	06473

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT PHOENIX PRESS, INC.	GENPT YALE UNIVERSITY	GENPT NEW HAVEN REGISTER, INC.	GENPT KNIGHTS OF COLUMBUS	GENPT EARTH TECHNOLOGY INC	GENPT THE SOUTHERN CONNECTICUT GAS COMPANY
Client						
Permit ID	GPP000234	GGR001666	GPP000008	GPP000241	GGR001697	GGR001698
Permit El Type	Printing and Publishing Wastewater-GP <40 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Printing and Publishing Wastewater-GP >40 GPD	Printing and Publishing Wastewater-GP <40 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
App ID	200801495	200801592	200802250	200801973	200900478	200802234
Site Name	PHOENIX PRESS INC	YALE HEALTH SERVICES BUILDING & PARKING STRUCTURE	THE NEW HAVEN REGISTER	KNIGHTS OF COLUMBUS	RECONSTRUCTION OF THE NEW HAVEN RAILYARD FUELING	PETROLEUM TERMINALS, INC.
Site Address Line 1	15 JAMES ST	CORNER OF LOCK ST AND CANAL ST	40 SARGENT DR	78 MEADOW ST	54 HOLLOCK AVENUE	347 CHAPEL ST
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06513	06511	06511	06519	06500	06511
Permit Description	MINOR PRINTING AND PUBLISHING WASTEWATER	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER	GENERAL PERMIT FOR THE DISCHARGE OF MINOR PRINTING AND PUBLISHING WASTEWATER	MINOR PRINTING AND PUBLISHING WASTEWATER-78 MEADOW ST., NEW HAVEN	Groundwater Remediation Wastewater To A Sanitary Sewer I RECONSTRUCTION OF THE NEW HAVEN RAILYARD FUELING FACILITY-54 HALLOCK AVE., NEW HAVEN	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/27/2008	6/4/2008	9/10/2008	12/4/2008	4/8/2009	4/8/2009
Expire Date	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018
Affiliate Add1	15 JAMES ST PO BOX 347	PO BOX 208112	40 SARGENT DR	1 COLUMBUS PLZ	250 SACKETT POINT RD	60 MARSH HILL RD
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NORTH HAVEN	ORANGE
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06513	06520	06511	06510	06473	06477
Program	GENPT THE SOUTHERN CONNECTICUT GAS COMPANY	GENPT BERKSHIRE ENVIRONMENTAL SERVICES & TECHNOLOGY, LLC	GENPT TESTA CONSTRUCTION	GENPT WALGREEN EASTERN COMPANY, INC.	GENPT WALGREEN EASTERN COMPANY, INC.	GENPT CITY OF NEW HAVEN
Client						
Permit ID	GGR001698	GGR001702	GGR001702	GPH001112	GPH001112	GSM000030
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B
App ID	200802234	200901171	200901171	200802707	200802707	200902984
Site Name	PETROLEUM TERMINALS, INC.	FUTURE SCIENCE PARK PARKING GARAGE	FUTURE SCIENCE PARK PARKING GARAGE	WALGREENS #3579	WALGREENS #3579	NEW HAVEN, CITY OF
Site Address Line 1	347 CHAPEL ST	304 WINCHESTER AVENUE	304 WINCHESTER AVENUE	1471 WHALLEY AVE	1471 WHALLEY AVE	MS4 PERMIT
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06511	06511	06511	06515	06515	06511
Permit Description	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER	DISCHARGE TREATED GROUNDWATER GENERATED DURING NEW CONSTRUCTION, TO A POTW.	DISCHARGE TREATED GROUNDWATER GENERATED DURING NEW CONSTRUCTION, TO A POTW.	MINOR PHOTOGRAPHIC WASTEWATER-#3579-1471 WHALLEY AVE., NEW HAVEN	MINOR PHOTOGRAPHIC WASTEWATER-#3579-1471 WHALLEY AVE., NEW HAVEN	
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/8/2009	4/27/2009	4/27/2009	4/21/2009	4/21/2009	4/11/2009
Expire Date	2/15/2018	2/15/2018	2/15/2018	4/20/2019	4/20/2019	1/8/2015
Affiliate Add1	60 MARSH HILL RD	PO Box 1976	1100 Summer St	200 WILMOT RD MS#2171	200 WILMOT RD MS#2171	200 ORANGE ST RM#503
Affiliate City	ORANGE	Torrington	Stamford	DEERFIELD	DEERFIELD	NEW HAVEN
Affiliate State	CT	CT	CT	IL	IL	CT
Affiliate Zip	06477	06790	06905	60015	60015	06510

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	BOARD OF TRUSTEES CONNECTICUT STATE UNIVERSITY SYSTEM	BIORELIX, INC.	BIORELIX, INC.	HOPKINS COMMITTEE OF TRUSTEES, INC	YALE UNIVERSITY	YALE UNIVERSITY
Permit ID	GPH001130	GPH001096	GPH001096	GPL000037	GPL000036	GHT000024
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Hydrostatic Pressure Testing Wastewater-GP
App ID	200902633	200800795	200800795	200903697	200903692	200904095
Site Name	SCSU, EARL HALL	BIORELIX, INC. - SCIENCE PARK DEVELOPMENT CORP.	BIORELIX, INC. - SCIENCE PARK DEVELOPMENT CORP.	HOPKINS SCHOOL INC	CENTRAL CAMPUS	STERLING POWER PLANT
Site Address Line 1	501 CRESCENT STREET	25 SCIENCE PARK	25 SCIENCE PARK	986 FOREST RD	20 ASHMUN ST	309 Congress Ave
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
Site ZIP	06515	06511	06511	06515	06511	06519
Permit Description	EARL HALL, 501 CRESCENT STREET, NEW HAVEN	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER		SCIENCE/CENTRAL CAMPUS	Hydrostatic Pressure Testing Wastewater, for construction commissioning. (Location: Sterling Power Plant, 309 Congress Ave. New Haven, Ct. 06510)
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/15/2009	9/16/2009	9/16/2009	12/4/2009	12/21/2009	1/26/2010
Expire Date	7/15/2020	9/15/2019	9/15/2019	7/9/2014	7/9/2014	3/29/2015
Affiliate Add1	OFC of Env. Health & Safety 615 Fitch St C/O SCSU	401 WINCHESTER AVE	401 WINCHESTER AVE	986 FOREST RD	135 COLLEGE ST OFC of Env. Health & Safety	OFC of Env. Health & Safety 135 College St. Suite 100
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06514	06511	06511	06515	06510	06510
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	SARGENT MANUFACTURING COMPANY	SARGENT MANUFACTURING COMPANY	ENVIRONMENTAL HEALTH & SAFETY SERVICES OF NEW ENGLAND, INC.	YALE UNIVERSITY	CIANBRO MIDDLESEX JOINT VENTURE III	YALE UNIVERSITY
Permit ID	GPP000052	GPP000052	GGR001733	GMI000198	GRS000099	GWT000250
Permit El Type	Printing and Publishing Wastewater-GP >40 GPD	Printing and Publishing Wastewater-GP >40 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Miscellaneous Discharges-GP <5000 GPD	Groundwater Remediation Wastewater To Surface Water-GP	Water Treatment Wastewater-GP
App ID	200500296	200500296	201001313	201001448	201000390	200901628
Site Name	SARGENT MANUFACTURING COMPANY	SARGENT MANUFACTURING COMPANY	NEW HAVEN RAIL YARD-DIESEL STORAGE YARD	STERLING POWER PLANT	CT DOT PROJECT 92- 618 CONTRACT b1	STERLING POWER PLANT
Site Address Line 1	100 SARGENT DR	100 SARGENT DR	34 ROSETTE ST	309 Congress Ave	East St., Forbes Ave., Water St., and Hamilton Ave.	309 Congress Ave
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	New Haven	New Haven
Site ZIP	06511	06511	06519	06519	06511	06519
Permit Description	MINOR PRINTING & PUBLISHING WASTEWATER	MINOR PRINTING & PUBLISHING WASTEWATER	WASTEWATER TREATMENT FACILITY FOR THE NEW HAVEN DAIL YARD COMPONENT CHANGE-OUT SHOP CONSTRUCTION PROJECT (CTDOT# 301-106)	STERLING POWER PLANT-309 CONGRESS AVE., NEW HAVEN	CT DOT 92-618 CONTRACT B1-EAST STREET, FORBER AVE., WATER ST AND HAMILTON AVE., NEW HAVEN	DISCHARGE FROM STERLING POWER PLANT
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/14/2005	2/14/2005	3/18/2010	4/8/2010	4/15/2010	4/15/2010
Expire Date	2/15/2018	2/15/2018	2/15/2018	10/30/2013	3/29/2015	3/29/2015
Affiliate Add1	100 SARGENT DR	100 SARGENT DR	PO BOX 129	PO BOX 208112	155 EAST STREET	1 HILLHOUSE AVE
Affiliate City	NEW HAVEN	NEW HAVEN	SUFFIELD	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06511	06511	06078	06520	06511	06510

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT YALE UNIVERSITY	GENPT YALE-NEW HAVEN HOSPITAL, INC.	GENPT PSEG POWER CONNECTICUT LLC	GENPT HOPKINS COMMITTEE OF TRUSTEES, INC	GENPT MEPT CHAPEL STREET, LLC	GENPT MCVAC ENVIRONMENTAL SERVICES, INC.
Client						
Permit ID	GWT000255	GWT000261	GWT000269	GPH001162	GPL000205	GMI000208
Permit El Type	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Photographic Processing Wastewater-GP	Swimming Pool Wastewater-GP	Miscellaneous Discharges-GP >5000 GPD
App ID	200901626	200502568	201001253	200801783	201003224	201003734
Site Name	YALE UNIVERSITY (CENTRAL POWER PLANT)	YALE NEW HAVEN MEDICAL CENTER	PSEG POWER NEW HAVEN HARBOR STATION	HOPKINS SCHOOL INC.	360 State Street	MCVAC ENVIRONMENTAL SERVICE
Site Address Line 1	120 Tower Pkwy	55 DAGGETT ST	600 Connecticut Ave	986 FOREST RD	360 State St	481 GRAND AVE
Site City	New Haven	NEW HAVEN	New Haven	NEW HAVEN	New Haven	NEW HAVEN
Site Zip	06511	06519	06512	06515	06510	06513
Permit Description	DISCHARGE FROM CENTRAL POWER PLANT	WATER TREATMENT WASTEWATER- DIALYSIS UNIT-20 YORK ST., NEW HAVEN, CT	PROPOSING TO INSTALL & OPERATE A PEAKING FACILITY AT THE SITE OF ITS EXISTING NEW HAVEN HARBOR STATION ON WATERFRONT STREET.	MINOR PHOTOGRAPHIC PROCESSING	360 State Street New Haven, Ct. 06511	Hydro Demolition.
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/15/2010	4/15/2010	4/23/2010	6/27/2008	6/2/2010	6/14/2010
Expire Date	3/29/2015	3/29/2015	3/29/2015	6/27/2018	7/9/2014	10/30/2013
Affiliate Add1	135 COLLEGE ST, 1ST FL	20 YORK ST	1 WATERFRONT ST NEW HAVEN HARBOR STATION	986 FOREST RD	95 Reef Rd	481 GRAND AVE
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	Fairfield	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06510	06504	06512	06515	06824	06511
Program	GENPT YALE UNIVERSITY	GENPT C.J. FUCCI CONSTRUCTION CO.	GENPT C.J. FUCCI CONSTRUCTION CO.	GENPT CITY OF NEW HAVEN	GENPT CITY OF NEW HAVEN	GENPT YALE UNIVERSITY
Client						
Permit ID	GGR001749	GRS000111	GRS000110	GVM001445	GVM001445	GWT000076
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To Surface Water-GP	Groundwater Remediation Wastewater To Surface Water-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Water Treatment Wastewater-GP
App ID	201004384	201005199	201005198	201005465	201005465	201005683
Site Name	YALE ALUMNI	State Street Bridge over Mill River	State Street Bridge over Mill River	REFUSE VEHICLE BUILDING	REFUSE VEHICLE BUILDING	SCIENCE/CENTRAL CAMPUS
Site Address Line 1	155 WHITNEY AVE	State Street Bridge over Mill River	State Street Bridge over Mill River	256 MIDDLETOWN AVE	256 MIDDLETOWN AVE	2 WHITNEY AVE
Site City	NEW HAVEN	New Haven	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06511	FOR NEW BUILDING- SCHOOL OF MANAGEMENT-155 & 175 WHITNEY AVE., NEW HAVEN	Reconstruction of State Street Bridge over Mill River.	06513	06513	06510
Permit Description						
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/13/2010	8/11/2010	8/11/2010	9/3/2010	9/3/2010	9/17/2010
Expire Date	2/15/2018	3/29/2015	3/29/2015	1/23/2021	1/23/2021	3/29/2015
Affiliate Add1	135 COLLEGE ST	63 RUSSELL ST	63 RUSSELL ST	34 MIDDLETOWN AVE DEPT. OF PUBLIC WORKS	34 MIDDLETOWN AVE DEPT. OF PUBLIC WORKS	135 COLLEGE ST OFC ENVIR. HEALTH & SAFETY
Affiliate City	NEW HAVEN	EAST HAVEN	EAST HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06510	06513	06513	06513	06513	06510

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT YALE UNIVERSITY	GENPT WALGREEN EASTERN COMPANY, INC.	GENPT WAL-MART STORES, INC.	GENPT WAL-MART STORES, INC.	GENPT SARGENT MANUFACTURING COMPANY	GENPT URETEK LLC
Client						
Permit ID	GWT0000077	GPH001182	GMI000223	GMI000223	GWT000194	GMI000234
Permit El Type	Water Treatment Wastewater-GP	Photographic Processing Wastewater-GP	Miscellaneous Discharges- GP <5000 GPD	Miscellaneous Discharges- GP <5000 GPD	Water Treatment Wastewater-GP	Miscellaneous Discharges-GP <5000 GPD
App ID	201005684	201005558	200701871	200701871	201005867	200701896
Site Name	YALE SCHOOL OF MEDICINE	WALGREENS #9785	WAL-MART STORE #5439	WAL-MART STORE #5439	SARGENT MANUFACTURING COMPANY	URETEK, LLC
Site Address Line 1	333 CEDAR ST	436 WHALLEY AVENUE	315 FOXON BLVD	315 FOXON BLVD	100 SARGENT DR	30 LENOX ST
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06510	06511	06513	06513	06511	06513
Permit Description	Store# 9785 (436 Whalley Ave, New Haven, Ct. 06511)		MISCELLANEOUS DISCHARGES SEWER COMPATIBLE WASTEWATER (WAL-MART STORES EAST L.P. DBA #5439 NEW HAVEN, CT)	WASTEWATER (WAL-MART STORES EAST L.P. DBA #5439 NEW HAVEN, CT)		MISC. DISCHARGES OF SEWER COMPATIBLE WATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	9/20/2010	9/23/2010	10/6/2010	10/6/2010	10/7/2010	10/12/2010
Expire Date	3/29/2015	9/9/2020	10/30/2013	10/30/2013	3/29/2015	10/30/2013
Affiliate Add1	PO BOX 208255 C/O OFFICE GENERAL COUNSEL	200 WILMOT RD	2001 SE 10TH ST	2001 SE 10TH ST	100 SARGENT DR	PO BOX 326; 30 LENOX ST
Affiliate City	NEW HAVEN	DEERFIELD	BENTONVILLE	BENTONVILLE	NEW HAVEN	NEW HAVEN
Affiliate State	CT	IL	AR	AR	CT	CT
Affiliate ZIP	06520	60015	72716	72716	06511	06513
Program	GENPT URETEK LLC	GENPT DVA Renal Healthcare, Inc.	GENPT DYNAMIC AUTO, LLC	GENPT ELRAC, LLC	GENPT ELRAC, LLC	GENPT WALGREEN EASTERN COMPANY, INC.
Client						
Permit ID	GMI000234	GWT000142	GVM001460	GVM000491	GVM000490	GPH001199
Permit El Type	Miscellaneous Discharges-GP <5000 GPD	Water Treatment Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Photographic Processing Wastewater-GP
App ID	200701896	201005894	201005987	201006542	201006546	201006519
Site Name	URETEK, LLC	DAVITA/NEW HAVEN DIALYSIS	DYNAMIC AUTO, LLC	ENTERPRISE RENT-A-CAR	ENTERPRISE RENT-A-CAR	WALGREENS #6474
Site Address Line 1	30 LENOX ST	100 CHURCH ST'S	271 Whalley Ave	2 AMITY RD	408 CROWN ST	88 YORK ST
Site City	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06513	06519	06511	06515	06511	06511
Permit Description	MISC. DISCHARGES OF SEWER COMPATIBLE WATER	Davita New Haven Dialysis 100 Church St. South Suite C New Haven, Ct. 06519		2 Amity Rd. New Haven, Ct. 06525	408 Crown St. New Haven, Ct. 06511	Walgreens #6474
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/12/2010	10/13/2010	10/25/2010	12/14/2010	12/14/2010	12/15/2010
Expire Date	10/30/2013	3/29/2015	1/23/2021	1/23/2021	1/23/2021	9/9/2020
Affiliate Add1	PO BOX 326; 30 LENOX ST	5200 Virginia Way L C Dept.	271 Whalley Ave	131 DANBURY RD D/B/A ENTERPRISE RENT-A-CAR	131 DANBURY RD D/B/A ENTERPRISE RENT-A-CAR	200 WILMOT RD MS#2171
Affiliate City	NEW HAVEN	Brentwood	New Haven	WILTON	WILTON	DEERFIELD
Affiliate State	CT	TN	CT	CT	CT	IL
Affiliate ZIP	06513	37027	06511	06897	06897	60015

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT EARTH TECHNOLOGY INC	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY	GENPT A-1 TOYOTA	GENPT H. KREVIT AND COMPANY, INCORPORATED	GENPT TRI-LIFT, INC.
<b>Permit ID</b>	GGR001779	GGR001779	GVM000849	GVM001158	GVM000059	GVM000965
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201006798	201006798	201100247	201100779	201100812	201100916
<b>Site Name</b>	NEW HAVEN MAINTENANCE FACILITY	NEW HAVEN MAINTENANCE FACILITY	AT&T: NEW HAVEN CO #1147	A-1 TOYOTA	H. KREVIT & COMPANY, INC.	TRI-LIFT INC.
<b>Site Address Line 1</b>	140 POND LILY AVENUE	140 POND LILY AVENUE	4 HAMILTON ST	50 AMITY RD	67 WELTON ST	180 MAIN STREET ANX
<b>Site City Site ZIP</b>	NEW HAVEN 06515	NEW HAVEN 06515	NEW HAVEN 06511	NEW HAVEN 06515	NEW HAVEN 06511	NEW HAVEN 06512
<b>Permit Description</b>	ConnDOT-District 3 Maintenance Facility 140 Pond Lily Ave., New Haven	ConnDOT-District 3 Maintenance Facility 140 Pond Lily Ave., New Haven	LOCATION: AT&T NEW HAVEN HARBOR GARAGE, 4 HAMILTON ST., NEW HAVEN, CT			
<b>Status Issued Date Expire Date</b>	Active 12/30/2010 2/15/2018	Active 12/30/2010 2/15/2018	Active 1/31/2011 1/23/2021	Active 2/22/2011 1/23/2021	Active 2/24/2011 1/23/2021	Active 2/25/2011 1/23/2021
<b>Affiliate Add1</b>	250 SACKETT POINT RD	2800 BERLIN TPKE; PO BOX 317546	PO 308 S. AKARD, ROOM 1911 D/B/A AT&T CT	50 AMITY RD	73 WELTON ST; PO BOX 9433	180 MAIN STREET ANX
<b>Affiliate City Affiliate State Affiliate ZIP</b>	NORTH HAVEN CT 06473	NEWINGTON CT 06111	DALLAS TX 75202	NEW HAVEN CT 06515	NEW HAVEN CT 06511	NEW HAVEN CT 06512
<b>Program Client</b>	GENPT GALENA ASSOCIATES, LLC	GENPT MURPHY ROAD RECYCLING, LLC	GENPT PSEG POWER CONNECTICUT LLC	GENPT LOMBARD MOTORS, INC.	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	
<b>Permit ID</b>	GVM000941	GVM001015	GVM000296	GVM001073	GVM000152	
<b>Permit El Type</b>	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	
<b>App ID</b>	201101049	201100859	201100871	201101276	201101476	
<b>Site Name</b>	VALVOLINE INSTANT OIL CHANGE #AE0028	MURPHY ROAD RECYCLING, LLC	PSEG POWER NEW HAVEN HARBOR STATION	LOMBARD MOTORS, INC	SOUTH CENTRAL CT REGIONAL WATER AUTH	
<b>Site Address Line 1</b>	16 AMITY RD	19 WHEELER ST, SOLID WASTE VOLUME REDUCTION AND TRANSFER FACILITY	600 Connecticut Ave	140 GANDO DR	90 SARGENT DR	
<b>Site City Site ZIP</b>	NEW HAVEN 06515	NEW HAVEN 06512	New Haven 06512	NEW HAVEN 06513	NEW HAVEN 06511	
<b>Permit Description</b>	Valvoline Instant Oil Change #AE0028 16 Amity Rd. New Haven, Ct. 06515	Waste Management Of Connecticut , Inc. 19 Wheeler St. New Haven, Ct. 06512	New Haven Harbor Station 1 Waterfront St. New Haven, Ct.			
<b>Status Issued Date Expire Date</b>	Active 3/1/2011 1/23/2021	Active 3/4/2011 1/23/2021	Active 3/4/2011 1/23/2021	Active 3/9/2011 1/23/2021	Active 3/11/2011 1/23/2021	
<b>Affiliate Add1</b>	25 Main St DBA Valvoline Instant Oil Change	15 MULLEN RD	1 WATERFRONT ST	140 GANDO DR	90 SARGENT DR	
<b>Affiliate City Affiliate State Affiliate ZIP</b>	HARTFORD CT 06106	ENFIELD CT 06082	NEW HAVEN CT 06512	NEW HAVEN CT 06513	NEW HAVEN CT 06511	

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT BROTHERS AUTO BODY LLC	GENPT LONG WHARF MOBIL CAR WASH	GENPT UNITED STATES POSTAL SERVICE	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT NES, INC.
Client	GVM001132 Véhiclé Maintenance Wastewater-GP	GVM000840 Véhiclé Maintenance Wastewater-GP	GVM000585 Véhiclé Maintenance Wastewater-GP	GVM000012 Véhiclé Maintenance Wastewater-GP	GVM001500 Vehicle Maintenance Wastewater-GP	GVM001228 Véhiclé Maintenance Wastewater-GP
Permit ID						
Permit El Type						
App ID	201101756	201101855	201101841	201101765	201101763	201101710
Site Name	NEW HAVEN MAINTENANCE FACTORY	MOBIL #953	UNITED STATES POSTAL SERVICE NEW HAVEN VMF	NEW HAVEN MAINTENANCE FACTORY	DOT NEW HAVEN BOULEVARD MAINTENANCE FACTORY	NES RENTALS
Site Address Line 1	140 POND LILY AVENUE	200 SARGENT DR	50 BREWERY ST	140 POND LILY AVENUE	35 SEA ST	161-163 FORBES AVENUE
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06515	06511	06511	06515	06519	06512
Permit Description			USPS Hartford Vehicle Maintenance Facility 50 Brewery St. New Haven, Ct. 06511	LOCATION: NEW HAVEN POND LILY MAINTENANCE FACTORY, 140 POND LILY AVE.		NES Rentals 161-163 Forbes Ave. New Haven, Ct. 06512
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/24/2011	3/24/2011	3/14/2011	3/25/2011	3/25/2011	3/28/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	45 COMMERCE DR	2093 Post Rd	50 BREWERY ST	PO BOX 317546; 2800 BERLIN TPKE	PO BOX 317546; 2800 BERLIN TPKE	8420 W Bryn Mawr Ave Suite 310
Affiliate City	CROMWELL	Fairfield	NEW HAVEN	NEWINGTON	NEWINGTON	Chicago
Affiliate State	CT	CT	CT	CT	CT	IL
Affiliate ZIP	06416	06824	06519	06131	06131	60631
Program	GENPT MCVAC ENVIRONMENTAL SERVICES, INC.	GENPT STATE OF CONNECTICUT MILITARY DEPARTMENT	GENPT AMERICAN MEDICAL RESPONSE OF CONNECTICUT, INCORPORATED	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT EAST ROCK AUTO REPAIR
Client						
Permit ID	GVM001067	GVM001340	GVM001506	GVM000220	GVM000958	GVM001286
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
App ID						
Site Name	201101918 MCVAC ENVIRONMENTAL SERVICE	201100776 New Haven Joint Forces Reserve Center	201102098 AMERICAN MEDICAL RESPONSE OF CT INC	201102375 GROUNDS MAINTENANCE GARAGE	201102377 YALE UNIVERSITY ROSE CENTER	201102295 EAST ROCK AUTO REPAIR
Site Address Line 1	481 GRAND AVE	30 WOODWARD AVE	58 MIDDLETOWN AVE	71 GOFFE ST	101 Ashmun St	1400 STATE ST
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN
Site ZIP	06513	06512	06513 LOCATION: NEW HAVEN ARMED FORCES RESERVE CENTER	REPLACES GVS000158	06511 Grounds Maintenance Garage 71 Goffe St. New Haven, Ct. 06511	06511
Permit Description						
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/28/2011	3/29/2011	4/4/2011	4/7/2011	4/7/2011	4/8/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	481 GRAND AVE	360 BROAD ST	58 MIDDLETOWN AVE	135 COLLEGE ST OFC OF ENV. HEALTH & SAFETY	PO BOX 208112	1400 STATE ST
Affiliate City	NEW HAVEN	HARTFORD	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06513	06105	06513	06510	06520	06511

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	YALE UNIVERSITY	NATIONAL RAILROAD PASSENGER CORPORATION	AUTOWORKS OF WESTVILLE, INC.	NATIONAL RAILROAD PASSENGER CORPORATION	NEW HAVEN CAR WASH CORP.	ROUTE 80 VENTURES, LLC
<b>Permit ID</b>	GVM000693	GVM000250	GVM001120	GVM000088	GVM000895	GVM001059
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP-Approval	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201102297	201102457	201102458	201102456	201102266	201103153
<b>Site Name</b>	YALE ARMY ARENA	NEW HAVEN SERVICE & INSPECTION FACILITY	AUTOWORKS OF WESTVILLE INC.	SHORE LINE EAST MAINTENANCE FACILITY	PERSONAL TOUCH CAR WASH	SPASH NEW HAVEN EAST
<b>Site Address Line 1</b>	70 CENTRAL AVENUE	50 UNION AVENUE ANNEX	66 FITCH ST	275 Hallock Ave	490 FOXON BLVD	125 FOXON BLVD
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN	NEW HAVEN
<b>Site ZIP</b>	06510	06519	06515	06519	06513	06513
<b>Permit Description</b>	Yale Armory Arena 70 Central Ave, New Haven, Ct. 06510	New Haven Service & Inspection Facility 50 Union Ave. Annex New Haven , Ct.		Shore Line East Maintenance Facility 275 Hallock Ave. Building #8 New Haven, Ct. 06519		SPLASH NEW HAVEN EAST, 125 FOXON BLVD, NEW HAVEN, CT
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/8/2011	4/12/2011	4/12/2011	4/13/2011	4/14/2011	5/5/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	135 COLLEGE ST OFC OF ENV. HEALTH & SAFETY	2 SOUTH STATION - 5TH FLOOR	66 FITCH ST	2 SOUTH STATION - 5TH FLOOR	490 FOXON BLVD PERSONAL TOUCH CAR WASH CORP.	66 Gatehouse Rd
<b>Affiliate City</b>	NEW HAVEN	BOSTON	NEW HAVEN	BOSTON	NEW HAVEN	Stamford
<b>Affiliate State</b>	CT	MA	CT	MA	CT	CT
<b>Affiliate ZIP</b>	06510	02110	06515	02110	06513	06902
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	Magellan Terminals Holdings, LP	YALE UNIVERSITY	BUCHANAN MARINE L.P.		GZA GEOENVIRONMENTAL, INC.	
<b>Permit ID</b>	GRS000122	GRS0001801	GRS000128	GRS000128		
<b>Permit El Type</b>	Groundwater Remediation Wastewater To Surface Water-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To Surface Water-GP	Groundwater Remediation Wastewater To Surface Water-GP		
<b>App ID</b>	201102477	201105605	201102258	201102258		
<b>Site Name</b>	FORMER SIMKINS PAPER RECYCLING PLANT	YALE CAMPUS/TRUMBULL STREET AREA SEWER SEPARATION	Buchanan Marine	Buchanan Marine		
<b>Site Address Line 1</b>	259 EAST ST	PROSPECT ST, LOCK ST, CANAL ST, SACHEM ST, MANSFIELD ST, & COMPTON ST	70 E Ferry St	70 E Ferry St		
<b>Site City</b>	NEW HAVEN	NEW HAVEN	New Haven	New Haven		
<b>Site ZIP</b>	06511	06511	06513	06513		
<b>Permit Description</b>	Yale University Residential Colleges: GW to be generated during dewatering of footing/slab demolition and excavation of new utilities.		STONE & METAL SHEETPILE JETTY REMOVAL, HAULING BASIN CONSTRUCTION, SLOPE STABILIZATION, STORMWATER MANAGEMENT IMPROVEMENTS. PIER/WORK PLATFORM CONSTRUCTION. (70-80 FERRY ST.)	STONE & METAL SHEETPILE JETTY REMOVAL, HAULING BASIN CONSTRUCTION, SLOPE STABILIZATION, STORMWATER MANAGEMENT IMPROVEMENTS. PIER/WORK PLATFORM CONSTRUCTION. (70-80 FERRY ST.)		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	7/29/2011	8/12/2011	8/12/2011	8/12/2011	8/12/2011	8/12/2011
<b>Expire Date</b>	3/29/2015	2/15/2018	3/29/2015	3/29/2015	3/29/2015	3/29/2015
<b>Affiliate Add1</b>	PO Box 22186	PO BOX 208112	39 FERRY ST	1350 Main St - Suite 1400		
<b>Affiliate City</b>	Tulsa	NEW HAVEN	NEW HAVEN	Springfield		
<b>Affiliate State</b>	OK	CT	CT	MA		
<b>Affiliate ZIP</b>	74121	06520	06513	01103		

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT PSEG NEW HAVEN LLC	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT TRC ENVIRONMENTAL CORPORATION	GENPT TAP PETROLEUM CORPORATION	GENPT YALE UNIVERSITY
Client					
Permit ID	GHT000035	GGR001813 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001813 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001821 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GHT000036 Hydrostatic Pressure Testing Wastewater-GP
Permit El Type	Hydrostatic Pressure Testing Wastewater-GP				
App ID	201106752	201106931 NEW HAVEN MAINTENANCE FACILITY	201106931 NEW HAVEN MAINTENANCE FACILITY	201106902 AARAV Foodmart	201107301 Yale University
Site Name	PSEG POWER NEW HAVEN HARBOR STATION				
Site Address Line 1	600 Connecticut Ave	140 POND LILY AVENUE	140 POND LILY AVENUE	1570 WHALLEY AVE	135 College St
Site City	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
Site ZIP	06512	06515 Construction of three General Electric LM-600 Combustion turbines and associated auxiliary equipment at the north end of PSEG's New Haven Harbor Station	06515 DOT-District 3 Maintenance Facility, 140 Pond Lily Ave., New Haven	06515 DOT-District 3 Maintenance Facility, 140 Pond Lily Ave., New Haven	06510 Installation of two new boilers and associated water treatment system at Yale Central Power Plant. (New Haven, Ct.)
Permit Description					
Status	Active	Active	Active	Active	Active
Issued Date	10/14/2011	10/26/2011	10/26/2011	11/16/2011	11/23/2011
Expire Date	3/29/2015	2/15/2018	2/15/2018	2/15/2018	3/29/2015
Affiliate Add1	600 CONNECTICUT AVE	2800 BERLIN TPKE; PO BOX 317546	2800 BERLIN TPKE; PO 21 GRIFFIN RD N	1570 WHALLEY AVE	135 College St ENVIR. HEALTH & SAFETY
Affiliate City	NEW HAVEN	NEWINGTON	WINDSOR	NEW HAVEN	New Haven
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06512	06111	06095	06515	06510
Program	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT CITY OF NEW HAVEN	GENPT CITY OF NEW HAVEN
Client					
Permit ID	GHT000036	GWT000255 Water Treatment Wastewater-GP	GMI000054 Miscellaneous Discharges-GP <5000 GPD	GMI000258 Miscellaneous Discharges-GP <5000 GPD	GMI000259 Miscellaneous Discharges-GP <5000 GPD
Permit El Type	Hydrostatic Pressure Testing Wastewater-GP				
App ID	201107301	201107704 YALE UNIVERSITY (CENTRAL POWER PLANT)	201107303 YALE UNIVERSITY (CENTRAL POWER PLANT)	201107916 TRANSFER STATION & RECYCLING FACILITY	201107908 DEPARTMENT OF PUBLIC WORKS
Site Name	Yale University				
Site Address Line 1	135 College St	120 Tower Pkwy	120 Tower Pkwy	255-265 MIDDLETOWN AVENUE	34 MIDDLETOWN AVE
Site City	New Haven	New Haven	New Haven	NEW HAVEN	NEW HAVEN
Site ZIP	06510	06511	06511	06510	06513
Permit Description	Installation of two new boilers and associated water treatment system at Yale Central Power Plant. (New Haven, Ct.)	Installation of two new boilers and associated water treatment system at Yale Central Power Plant. (New Haven, Ct.)	Installation of two new boilers and associated water treatment system at Yale Central Power Plant. (New Haven, Ct.)	New Haven Transfer Station, Middletown Ave., New Haven	DPW Refuse Vehicle Wash Station - Middletown Ave. New Haven, Ct.
Status	Active	Active	Active	Active	Active
Issued Date	11/23/2011	12/6/2011	12/13/2011	12/22/2011	12/22/2011
Expire Date	3/29/2015	3/29/2015	10/30/2013	10/30/2013	10/30/2013
Affiliate Add1	135 College St ENVIR. HEALTH & SAFETY	135 College St Suite 100 OFC of Envir. Health & Safety	135 College St ENVIR. HEALTH & SAFETY	34 MIDDLETOWN AVE	34 MIDDLETOWN AVE DEPT. OF PUBLIC WORKS
Affiliate City	New Haven	New Haven	New Haven	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06510	06510	06510	06513	06512

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program</b>	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT Fair Auto, LLC	GENPT YALE UNIVERSITY	GENPT Alliance Energy LLC	GENPT AUTO SALON, LLC
<b>Client</b>						
<b>Permit ID</b>	GMI000262 Miscellaneous Discharges-GP <5000 GPD	GHT000038 Hydrostatic Pressure Testing Wastewater-GP	GVM001578 Vehicle Maintenance Wastewater-GP	GGR001831 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001834 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GVM001590 Vehicle Maintenance Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	201200422 Yale University New Chiller Plant (WSA)	201200691 Yale University	201200680 Fair Auto, LLC	201001177 YALE UNIVERSITY- CHILLED WATER UTILITY & PLANT	201202799 MOBIL #953	201202794 AUTO SALON, LLC
<b>Site Name</b>						
<b>Site Address Line 1</b>	330 Winchester Ave	135 College St	71 Olive St	CANAL STREET BETWEEN SACHEM ST AND ARGYLE ST	200 SARGENT DR	121 Fowler St
<b>Site City</b>	New Haven	New Haven	New Haven	NEW HAVEN	NEW HAVEN	New Haven
<b>Site ZIP</b>	06511 Construction of chill water plant at 330 Winchester Ave., New Haven	06510 Construction of chilled water plant at 330 Winchester Ave., New Haven, Ct.	06511	06511 CHILLED WATER UTILITY & PLANT - LINEAR UTILITY LINE AND ASSOCIATED PLANT.	06511 200 Sargent Dr., New Haven	06515 OIL/WATER SEPARATOR INSTALLATION & CONNECTION TO PUBLIC SANITARY SEWER SYSTEM.
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	2/9/2012	3/1/2012	3/1/2012	3/2/2010	4/9/2012	4/13/2012
<b>Expire Date</b>	10/30/2013	3/29/2015	1/23/2021	2/15/2018	2/15/2018	1/23/2021
<b>Affiliate Add1</b>	PO BOX 208112	PO BOX 208112	71 Olive St	PO BOX 208112	404 Wyman St Suite 425	121 Fowler St
<b>Affiliate City</b>	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN	Waltham	New Haven
<b>Affiliate State</b>	CT	CT	CT	CT	MA	CT
<b>Affiliate ZIP</b>	06520	06520	06511	06520	02451	06515
<b>Program</b>	GENPT Compass Rock, LLC	GENPT CITY OF NEW HAVEN	GENPT CITY OF NEW HAVEN	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY
<b>Client</b>						
<b>Permit ID</b>	GVM001590 Vehicle Maintenance Wastewater-GP	GGR001836 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GGR001836 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GCW000262 Non-Contact Cooling and Heat Pump Wastewater-GP	GCW000262 Non-Contact Cooling and Heat Pump Wastewater-GP	GHT000041 Hydrostatic Pressure Testing Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	201202794 AUTO SALON, LLC	201203186 LLOYD TERMINAL	201203186 LLOYD TERMINAL	201203420 Yale University New Chiller Plant (WSA)	201203420 Yale University New Chiller Plant (WSA)	201204256 STK# , YALE SCIENCE/CENT CAMPUS
<b>Site Name</b>						
<b>Site Address Line 1</b>	121 Fowler St	34 LLOYD ST	34 LLOYD ST	330 Winchester Ave	330 Winchester Ave	
<b>Site City</b>	New Haven	NEW HAVEN	NEW HAVEN	New Haven	New Haven	NEW HAVEN
<b>Site ZIP</b>	06515 OIL/WATER SEPARATOR INSTALLATION & CONNECTION TO PUBLIC SANITARY SEWER SYSTEM.	06513 34 Lloyd St., New Haven	06513 34 Lloyd St., New Haven	06511 Construction of chilled water plant at 330 Winchester Ave., New Haven	06511 Construction of chilled water plant at 330 Winchester Ave., New Haven	TESTING OF PIPING, INCLUDING STREAM, CHILLED WATER AND DOMESTIC WATER PIPING (EXCLUDING NATURAL GAS PIPING) FOR UTILITY PROJECTS.
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/13/2012	4/18/2012	4/18/2012	4/25/2012	4/25/2012	5/21/2012
<b>Expire Date</b>	1/23/2021	2/15/2018	2/15/2018	3/29/2015	3/29/2015	3/29/2015
<b>Affiliate Add1</b>	230 S Brooksvale Rd	165 Church Street	165 Church Street	PO BOX 208112	PO BOX 208112	PO BOX 208112
<b>Affiliate City</b>	Cheshire	New Haven	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06410	06510	06510	06520	06520	06520

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	APT FOUNDATION INC	APT FOUNDATION INC	H. KREVIT AND COMPANY, INCORPORATED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	RED TECHNOLOGIES, LLC	TRC ENVIRONMENTAL CORPORATION
Permit ID	GVM001603	GVM001603	GMI000268	GGR001428	GGR001428	GGR001849
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Miscellaneous Discharges-GP- Transported To Potw < 5000 GPD	Miscellaneous Discharges-GP >5000 GPD	Miscellaneous Discharges-GP >5000 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
App ID	201205204	201205204	201205291	201205107	201205107	201205766
Site Name	AARAV Foodmart	AARAV Foodmart	H. KREVIT & COMPANY, INC.	Q BRIDGE PROJECT	Q BRIDGE PROJECT	THE UNITED ILLUMINATING COMPANY: EAST SHORE YARD
Site Address Line 1	1570 WHALLEY AVE	1570 WHALLEY AVE	67 WELTON ST	333 WATERFRONT ST	333 WATERFRONT ST	1 WATERFRONT ST
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06515	06515	06511	06512	06512	06512
Permit Description	The Green Machine Hand Carwash/Detaling, 1570 Whalley Ave., New Haven	The Green Machine Hand Carwash/Detaling, 1570 Whalley Ave., New Haven	CONTINUE DISCHARGE OF pH-NEUTRALIZED WASTEWATER TO GREATER NEW HAVEN WPCA - NEW HAVEN	ConnDOT New Haven Harbor Crossing Project - Bridge Deck Surface Preparation.	ConnDOT New Haven Harbor Crossing Project - Bridge Deck Surface Preparation.	UI East Shore Substation, 1 Waterfront St., New Haven
Status	Active	Active	Active	Active	Active	Active
Issued Date	6/20/2012	6/20/2012	6/29/2012	7/12/2012	7/12/2012	8/3/2012
Expire Date	1/23/2021	1/23/2021	10/30/2013	10/30/2013	10/30/2013	2/15/2018
Affiliate Add1	1 LONG WHARF DR SUITE 321	1 LONG WHARF DR SUITE 321	PO BOX 9433	2800 BERLIN TPKE PO BOX 317546	10 NWOOD DR	10 Middle St 6TH FLOOR
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEWINGTON	BLOOMFIELD	Bridgeport
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06511	06511	06534	06131	06002	06604
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	BOND BROS., INC.	WESTON & SAMPSON ENGINEERS, INC.	THE UNITED ILLUMINATING COMPANY	Clean State Environmental, Inc.	CLEAN HÄRBÖRS ENVIRONMENTAL SERVICES, INC.	Clean State Environmental, Inc.
Permit ID	GGR001849	GGR001851	GGR001851	GGR001860	GGR001860	GGR001862
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
App ID	201205766	201205950	201205950	201206773	201206773	201206651
Site Name	THE UNITED ILLUMINATING COMPANY: EAST SHORE YARD	GRAND AVENUE SUBSTATION	GRAND AVENUE SUBSTATION	UNITED ILLUMINATING CONDUIT	UNITED ILLUMINATING CONDUIT	THE UNITED ILLUMINATING COMPANY
Site Address Line 1	1 WATERFRONT ST	532 Grand Ave	532 Grand Ave	Forbes and Fulton Street	Forbes and Fulton Street	481A Connecticut Ave
Site City	NEW HAVEN	New Haven	New Haven	New Haven	New Haven	New Haven
Site ZIP	06512	06511	06511	06512	06512	06512
Permit Description	UI East Shore Substation, 1 Waterfront St., New Haven	Grand Avenue Substation, 532 Grand Ave., New Haven	Grand Avenue Substation, 532 Grand Ave., New Haven	United Illuminating will be excavating to install electrical conduit along Forbes Ave. New Haven, CT.	United Illuminating will be excavating to install electrical conduit along Forbes Ave. New Haven, CT.	United Illuminating will be excavating to install electrical conduit - New Haven, CT.
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/3/2012	8/22/2012	8/22/2012	12/7/2012	12/7/2012	12/7/2012
Expire Date	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018	2/15/2018
Affiliate Add1	100 John W Murphy Dr, 273 DIVIDEND RD		180 Marsh Hill Rd	351 West St	279 Woodmont Rd	351 West St
Affiliate City	New Haven	ROCKY HILL	Orange	Hebron	Milford	Hebron
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06513	06067	06477	06248	06460	06248

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.	GENPT MOTIVA ENTERPRISES LLC	GENPT Alliance Energy LLC	GENPT C.J. FUCCI CONSTRUCTION CO.	GENPT FACILITY SUPPORT SERVICES, LLC
<b>Permit ID</b>	GGR001862	GHT000045	GGR001870	GGR001873	GGR001873
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Hydrostatic Pressure Testing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	201206651	201006157	201302004	201302082	201302082
<b>Site Name</b>	THE UNITED ILLUMINATING COMPANY	MOTIVA ENTERPRISES LLC	MOBIL OIL S/S# 01-GCO R/S # 10685	CONNECTICUT DEPARTMENT OF TRANSPORTATION (WSA - State Project No. 92-561)	CONNECTICUT DEPARTMENT OF TRANSPORTATION (WSA - State Project No. 92-561)
<b>Site Address Line 1</b>	481A Connecticut Ave	481 E SHORE PKWY	1474 WHALLEY AVE	STATE STREET & JAMES STREET	STATE STREET & JAMES STREET
<b>Site City</b>	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
<b>Site ZIP</b>	06512	06512	06515	RECONSTRUCTION OF THE STATE STREET BRIDGE OVER MILL RIVER, UNDER I-91, WEST SIDE TREATMENT SYSTEM (CTDOT #92-561)	RECONSTRUCTION OF THE STATE STREET BRIDGE OVER MILL RIVER, UNDER I-91, WEST SIDE TREATMENT SYSTEM (CTDOT #92-561)
<b>Permit Description</b>	United Illuminating will be excavating to install electrical conduit - New Haven, CT.	Hydrostatic Pressure Testing- Petroleum Terminal (New Haven, Ct. 06512)	Dewatering during the removal & replacement of gasoline USTs in same location.		
<b>Status</b>	Active	Active	Active	Active	Active
<b>Issued Date</b>	12/7/2012	11/9/2010	5/1/2013	5/3/2013	5/3/2013
<b>Expire Date</b>	2/15/2018	3/29/2015	2/15/2018	2/15/2018	2/15/2018
<b>Affiliate Add1</b>	279 Woodmont Rd	481 E Shore Pkwy	404 Wyman St Suite 425	63 RUSSELL ST	2685 STATE ST
<b>Affiliate City</b>	Milford	New Haven	Waltham	EAST HAVEN	HAMDEN
<b>Affiliate State</b>	CT	CT	MA	CT	CT
<b>Affiliate ZIP</b>	06460	06512	02451	06513	06517
<b>Program Client</b>	GENPT CJ FUCCI CONSTRUCTION, INC.	GENPT FACILITY SUPPORT SERVICES, LLC	GENPT YALE-NEW HAVEN HOSPITAL, INC.	GENPT WOODARD & CURRAN, INC.	GENPT MANAFORT BROTHERS, INC
<b>Permit ID</b>	GGR001874	GGR001874	GWT000326	GWT000326	GGR001881
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	201302201	201302201	201302397	201302397	201303488
<b>Site Name</b>	ROUTE 34 DOWNTOWN CROSSING	ROUTE 34 DOWNTOWN CROSSING	HOSPITAL OF SAINT RAPHAEL	HOSPITAL OF SAINT RAPHAEL	100 COLLEGE STREET PARCEL
<b>Site Address Line 1</b>	ROUTE 34 DOWNTOWN CROSSING ROADWAY	ROUTE 34 DOWNTOWN CROSSING ROADWAY	1450 CHAPEL ST	1450 CHAPEL ST	100 College St
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
<b>Site ZIP</b>	06510	06510	06511	06511	06510
<b>Permit Description</b>	DEWATERING OF EXCAVATIONS ASSOCIATED WITH ROADWAY IMPROVEMENTS FOR THE RTE 34, DOWNTOWN CROSSING PROJECT. NEW HAVEN	DEWATERING OF EXCAVATIONS ASSOCIATED WITH ROADWAY IMPROVEMENTS FOR THE RTE 34, DOWNTOWN CROSSING PROJECT. NEW HAVEN	Registration of four (4) wastewater discharges under the General Permit for the Discharge of Wastewater Treatment Wastewater (New Haven, CT.)	Registration of four (4) wastewater discharges under the General Permit for the Discharge of Wastewater Treatment Wastewater (New Haven, CT.)	Dewatering for excavation activities associated with redevelopment
<b>Status</b>	Active	Active	Active	Active	Active
<b>Issued Date</b>	5/15/2013	5/15/2013	5/23/2013	5/23/2013	7/26/2013
<b>Expire Date</b>	2/15/2018	2/15/2018	3/29/2015	3/29/2015	2/15/2018
<b>Affiliate Add1</b>	63 Russell St	2685 STATE ST	20 YORK ST	1520 HIGHLAND AVE	414 NEW BRITAIN AVE PO BOX 99
<b>Affiliate City</b>	New Haven	HAMDEN	NEW HAVEN	CHESTER	PLAINVILLE
<b>Affiliate State</b>	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06513	06517	06504	06410	06062

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	UNITED STATES SURGICAL, DIVISION OF TYCO HEALTHCARE GROUP LIMITED PARTNERSHIP	AIRGAS EAST INC	415 WASHINGTON AVE PARTNERS LLC	CONNECTICUT CONTAINER CORP.	MARTIN PRINTING, INC.	PLATT & LABONIA COMPANY
Permit ID	GCW000145	GHT000016	GMI000087	GMI000105	GPH000323	GTC000061
Permit El Type	Non-Contact Cooling and Heat Pump Wastewater-GP	Hydrostatic Pressure Testing Wastewater-GP	Miscellaneous Discharges GP-Fire Sprinkler System Testwater	Miscellaneous Discharges-GP-Fire Sprinkler System Testwater	Photographic Processing Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP
App ID	200203412	200601957	200402752	200502221	200402836	200202803
Site Name	United States Surgical, Division of Tyco Healthcare Group	AIRGAS EAST, INC.	PRATT & WHITNEY	CONNECTICUT CONTAINER CORPORATION	MARTIN PRINTING, INC.	PLATT & LABONIA COMPANY
Site Address Line 1	195 MCDERMOTT RD	24 MCDERMOTT RD	415 WASHINGTON AVE	455 SACKETT POINT RD	100 POWDERED METAL RD	70 STODDARD AVE
Site City	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
Site ZIP	06473	06473	06473	06473	06473	06473
Permit Description	REAUTHORIZATION FOR MINOR NON-CONTACT COOLING AND HEAT PUMP	HYDROSTATIC PRESSURE TESTING WASTEWATER	APPROX. 35,000 GALLONS OF WATER IN SPRINKLER PIPE SYSTEM WILL BE DRAINED TO POTW TO WINTERIZE THE VACANT BUILDING.	MISC. DISCHARGE OF SEWER COMPATIBLE WASTEWATER	MINOR PHOTOGRAPHIC PROCESSING	MINOR TUMBLING OR CLEANING OF PARTS
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/29/2002	7/3/2006	12/13/2004	11/3/2005	11/17/2004	7/1/2002
Expire Date	3/29/2015	3/29/2015	10/30/2013	10/30/2013	2/24/2015	12/11/2013
Affiliate Add1	195 MCDERMOTT RD	24 MCDERMOTT RD	1 FINANCIAL CTR ROSE ASSOCIATES, INC., AS AGENT	455 SACKETT POINT RD	100 POWDERED METAL RD	PO BOX 398
Affiliate City	NORTH HAVEN	NORTH HAVEN	BOSTON	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
Affiliate State	CT	CT	MA	CT	CT	CT
Affiliate ZIP	06473	06473	02111	06473	06473	06473
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	VERTIS COMMUNICATIONS	WALGREEN EASTERN COMPANY, INC.	NORTH HAVEN COMMONS DEVELOPMENT, L.P.	UNITED STATES SURGICAL, DIVISION OF TYCO HEALTHCARE GROUP LIMITED PARTNERSHIP	LITHOPRINT INC	JOHN HENRY'S COPY AND PRINTING CENTER INC
Permit ID	GPH000400	GPH001063	GGR001653	GPP000068	GPP00166	GPP00102
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Printing & Publishing Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD
App ID	200602537	200701523	200602943	200801171	200801386	200801506
Site Name	VERTIS INC.	WALGREENS #9071	LOT 2/2A PCB AREA-SCHIAVONE SITE REMEDIATION	United States Surgical, Division of Tyco Healthcare Group	LITHOPRINT INC.	JOHN HENRY'S PRINTING & COPYING
Site Address Line 1	12 CORPORATE DR	55C WASHINGTON AVE	200 & 300 UNIVERSAL DRIVE NORTH	195 MCDERMOTT RD	328 STATE STREET	84 WASHINGTON AVE
Site City	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
Site ZIP	06473	06473	06473	06473	06473	06473
Permit Description	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER - STORE# 9071	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO SANITARY SEWER	MINOR PRINTING AND PUBLISHING WASTEWATER-PERMIT #GPP000068	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING AND PUBLISHING WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/6/2006	7/16/2007	2/15/2008	5/20/2008	5/21/2008	5/23/2008
Expire Date	10/6/2016	7/16/2017	2/15/2018	2/15/2018	2/15/2018	2/15/2018
Affiliate Add1	12 CORPORATE DR	200 WILMOT RD	22 S LINDEN ST C/O KU RESOURCES	195 MCDERMOTT RD	328 STATE ST	84 WASHINGTON AVE
Affiliate City	NORTH HAVEN	DEERFIELD	DUQUESNE	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
Affiliate State	CT	IL	PA	CT	CT	CT
Affiliate ZIP	06473	60015	15110	06473	06473	06473

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT A & A MANUFACTURING CO., INC.	GENPT IMPRINT PRINTING, INC	GENPT TOWN OF NORTH HAVEN	GENPT FREEDOM POOL & SPA LLC	GENPT TOWN OF NORTH HAVEN	GENPT HOME DEPOT U. S. A., INC.
<b>Permit ID</b>	GTC000261	GPP000237	GSM000095	GPC000068	GPL000011	GSC000193
<b>Permit El Type</b>	Tumbling & Cleaning Of Parts Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Swimming Pool Wastewater-GP- Contractor	Swimming Pool Wastewater-GP	Wastewater General Permits
<b>App ID</b>	200801552	200802223	200901921	200903515	200903523	200904025
<b>Site Name</b>	A & A MANUFACTURING CO., INC.	IMPRINT PRINTING	NORTH HAVEN, TOWN OF	FREEDOM POOL & SPA LLC	Walter J. Gawrych Community Pool	HOME DEPOT #6201
<b>Site Address Line 1</b>	457 STATE ST	97 DEFCO PARK RD	MS4 PERMIT	30 PARK RD	7 Linsley Street	111 UNIVERSAL DR
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	North Haven	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	MINOR TUMBLING OR CLEANING OF PARTS WASTEWATER	MINOR PRINTING & PUBLISHING WASTEWATER DISCHARGE			Walter J. Gawrych Community Pool-7 Linsley St., North Haven	The Home Depot#6201 (111 Universal Drive North Haven, Ct. 06473)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/5/2008	9/10/2008	6/23/2009	10/20/2009	12/4/2009	1/4/2010
<b>Expire Date</b>	12/11/2013	2/15/2018	1/8/2015	7/9/2014	7/9/2014	4/30/2014
<b>Affiliate Add1</b>	2300 S CALHOUN RD	97 DEFCO PARK RD	18 CHURCH ST	30 PARK RD	18 CHURCH ST	2455 Paes Ferry Road, Building D-17
<b>Affiliate City</b>	NEW BERLIN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	Atlanta
<b>Affiliate State</b>	WI	CT	CT	CT	CT	GA
<b>Affiliate ZIP</b>	53151	06473	06473	06473	06473	30339
<b>Program Client</b>	GENPT BUGGY GLO CAR WASH	GENPT JENCO ASSOCIATES, INC.	GENPT G. & H. EQUIPMENT, INCORPORATED	GENPT BROCK ENTERPRISES	GENPT QUINNIPAC UNIVERSITY	GENPT UNITED STATES SURGICAL, DIVISION OF TYCO HEALTHCARE GROUP LIMITED PARTNERSHIP
<b>Permit ID</b>	GVM001352	GVM001387	GVM001393	GPC000009	GPH001147	GVM001437
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Swimming Pool Wastewater-GP- Contractor	Photographic Processing Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201000146	201001278	201001359	200903798	200903862	201005332
<b>Site Name</b>	BUGGY GLO CAR WASH	BARNICK'S TRUCK & EQUIPMENT	G & H EQUIPMENT & SALES, LLC	BROCK ENTERPRISES	QUINNIPAC UNIVERSITY	United States Surgical, Division of Tyco Healthcare Group
<b>Site Address Line 1</b>	51 MIDDLETON AVE	89 STODDARD AVE	314 OLD MAPLE AVE	285 STATE STREET	370 Bassett Rd	195 McDERMOTT RD
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	North Haven	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>					370 Bassett Road., North Haven	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	1/21/2010	3/17/2010	3/25/2010	3/30/2010	3/30/2010	8/23/2010
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	7/9/2014	3/30/2020	1/23/2021
<b>Affiliate Add1</b>	684 ASPEN LN	89 STODDARD AVE DBA Barnick's Truck & Equipment	314 Old Maple Ave	PO BOX 185307	275 Mount Carmel Ave	150 GLOVER AVE
<b>Affiliate City</b>	ORANGE	NORTH HAVEN	North Haven	HAMDEN	Hamden	NORWALK
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06477	06473	06473	06518	06518	06856

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT PROJECT SERVICES, LLC	GENPT UNITED PARCEL SERVICE, INC.	GENPT ELRAC, LLC	GENPT RYDER TRUCK RENTAL, INC	GENPT ACURA BY EXECUTIVE
<b>Permit ID</b>	GGR001759	GGR001759	GVM000091	GVM000990	GVM000681	GVM000921
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201005366	201005366	201006243	201006549	201100163	201100805
<b>Site Name</b>	MOBIL SERVICE PLAZAS	MOBIL SERVICE PLAZAS	United Parcé Service - North Haven	ELRAC LLC	RYDER NORTH HAVEN	ACURA BY EXECUTIVE
<b>Site Address Line 1</b>	RTE 15 MERRITT PARKWAY NORTHBOUND / SOUTHBOUND	RTE 15 MERRITT PARKWAY NORTHBOUND / SOUTHBOUND	456 SACKETT POINT RD	377 STATE STREET	100 McDERMOTT AVENUE	527-553 WASHINGTON AVENUE
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	SITE REDEVELOPMENT & REMEDIATION OF THE SERVICE PLAZA ON RTE 15 NORTHBOUND/SOUTHBOUND (STATE/D.O.T OWNED)	SITE REDEVELOPMENT & REMEDIATION OF THE SERVICE PLAZA ON RTE 15 NORTHBOUND/SOUTHBOUND (STATE/D.O.T OWNED)	United Parcel Service 456 Sackett Point Rd. North Haven, Ct. 06473	377 State St. North Haven, Ct. 06473	Permit Renewal #GVM00681,#044-100 McDermott Rd., North Haven, CT	Permit Renewal #GVM00921
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/17/2010	9/17/2010	11/22/2010	12/14/2010	1/13/2011	2/23/2011
<b>Expire Date</b>	2/15/2018	2/15/2018	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	2800 BERLIN TPKE	75 WASHINGTON AVENUE	90 Locust St.	131 DANBURY RD DBA ENTERPRISE RENT-A-CAR	160 Lawrenceville Pennington Rd Suite 16, PMB 119	527-533 WASHINGTON AVE
<b>Affiliate City</b>	NEWINGTON	NORTH HAVEN	Hartford	WILTON	Lawrenceville	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	NJ	CT
<b>Affiliate ZIP</b>	06111	06473	06114	06897	08648	06473
<b>Program Client</b>	GENPT LYDELL MOTORS, LTD	GENPT TOWN OF NORTH HAVEN	GENPT NEW ENGLAND FIRE EQUIPMENT AND APPARATUS CORP.	GENPT PETRO HOLDINGS, INC.	GENPT FEDERAL EXPRESS CORPORATION	GENPT EXECUTIVE JEEP - NISSAN
<b>Permit ID</b>	GVM000098	GVM001078	GVM001142	GVM000879	GVM001325	GVM000197
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201100811	201101086	201100866	201101254	201101279	201101345
<b>Site Name</b>	LYDELL MOTORS LTD	CENTRAL FIRE STATION	NEW ENGLAND FIRE EQUIPMENT AND APPARATUS	PETRO, INC.	FEDERAL EXPRESS (HVNA)	EXECUTIVE JEEP NISSAN
<b>Site Address Line 1</b>	400 STATE ST	11 BROADWAY	10 STILLMAN RD	212 ELM ST	347 STATE ST	900 UNIVERSAL DR N
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	Central Fire Station 11 Broadway North Haven, Ct. 06473		KASDEN ELMCO, INC., 212 ELM ST., NORTH HAVEN, CT	Federal Express Corp. (HVNA) 347 State St. North Haven, Ct. 06615	Executive Jeep Nissan 900 Universal Dr. N. North Haven, Ct. 06473	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	2/24/2011	3/4/2011	3/4/2011	3/9/2011	3/9/2011	3/14/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	400 STATE ST	18 CHURCH ST MEMORIAL TOWN HALL	10 STILLMAN RD	55 DAY ST; PO BOX 5903	NEWARK LIBERY INT'L AIRPORT BUILDING 347	900 UNIVERSAL DR N
<b>Affiliate City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORWALK	NEWARK	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	NJ	CT
<b>Affiliate ZIP</b>	06473	06473	06473	06854	07114	06473

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	TOWN OF NORTH HAVEN	CLASSIC CAR CARE	V & T REALTY LLC	STATE CANTEEN COMPANY	NUTMEG INTERNATIONAL TRUCKS, INC.	MAURO MOTORS, INC.
<b>Permit ID</b>	GVM001190	GVM001192	GVM000896	GVM000213	GVM000680	GVM001214
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201101364	201101603	201101608	201101920	201101944	201102075
<b>Site Name</b>	NORTH HAVEN PUBLIC WORKS GARAGE	CLASSIC CAR CARE	V & T REALTY LLC	STATE CANTEEN COMPANY	NUTMEG INTERNATIONAL TRUCKS, INC.	MAURO MOTORS
<b>Site Address Line 1</b>	110 ELM ST	315 WASHINGTON AVE	77 SACKETT POINT RD	76 STATE ST	31 LEONARDO DR	600 WASHINGTON AVE
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	North Haven Public Works Garage 110 Elm St. North Haven, Ct. 06473		77 Sackett Point Rd. North Haven, Ct. 06473		LOCATION: 31 LEONARDO DR., NORTH HAVEN	Permit Renewal #GVM001214-600 Washington Ave., North Haven
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/14/2011	3/18/2011	3/18/2011	3/28/2011	3/30/2011	3/30/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	18 CHURCH ST	315 WASHINGTON AVE	63 DANIEL DR	76 STATE ST	130 BRAINARD RD	610 Washington Ave
<b>Affiliate City</b>	NORTH HAVEN	NORTH HAVEN	EAST HAVEN	NORTH HAVEN	HARTFORD	North Haven
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06473	06473	06513	06473	06114	06473
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	MONTESI MOTORS INC	282 MAPLE AVENUE ASSOCIATES, LLC	THIRD GENERATION REALTY	MAPLE AVENUE REPAIR SERVICE LLC	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CONNECTICUT CUSTOM AQUATICS, LLC
<b>Permit ID</b>	GVM000954	GVM001050	GVM000791	GVM000835	GVM001607	GPL000239
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Swimming Pool Wastewater-GP-Contractor
<b>App ID</b>	201101707	201102366	201102625	201103371	201205424	201206242
<b>Site Name</b>	MONTESI MOTORS INC.	282 MAPLE AVENUE ASSOCIATES, LLC	THIRD GENERATION REALTY 1	Nelcon Service Center	NORTH HAVEN MAINTENANCE FACILITY	CONNECTICUT CUSTOM AQUATICS, LLC
<b>Site Address Line 1</b>	444 STATE ST	11 ALEXANDER DR	37 NETTLETON AVE	302 MAPLE AVE	309 STATE ST	31 Meadow View Rd
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	North Haven
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>			Permit Renewal #GVM000791	Nelcon Service Center - 302 Maple Ave. North Haven, Ct. 06473	North Haven Maintenance Facility, 309 State St., North Haven	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/24/2011	4/7/2011	4/27/2011	5/16/2011	8/10/2012	9/20/2012
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	7/9/2014
<b>Affiliate Add1</b>	444 STATE ST	11 ALEXANDER DR	PO Box 234	302 MAPLE AVE	2800 BERLIN TPKE; PO BOX 317546	31 Meadow View Rd
<b>Affiliate City</b>	NORTH HAVEN	NORTH HAVEN	Hartford	NORTH HAVEN	NEWINGTON	North Haven
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06473	06473	06141	06473	06131	06473

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT STANTEC CONSULTING SERVICES INC.	GENPT WEI North Haven Limited Partnership	GENPT ENVIRONMENTAL RESOURCES MANAGEMENT		
Client					
Permit ID	GGR001857	GGR001857	GRS000167		
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To Surface Water-GP		
App ID	201206413	201206413	201303800		
Site Name	U S SURGICAL CORP	U S SURGICAL CORP	PRATT & WHITNEY		
Site Address Line 1	88 REBESCHI DR	88 REBESCHI DR	415 WASHINGTON AVE		
Site City	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN		
Site ZIP	06473	06473	06473		
Permit Description	Activities will include excavation within two isolated zones. The excavation is a remediation project under EPA approval. The excavation will only occur in paved areas and not impact unpaved or natural environments. (Former U.S. Surgical Site - 78-98 Rebeschi Dr. North Haven, CT.)	Activities will include excavation within two isolated zones. The excavation is a remediation project under EPA approval. The excavation will only occur in paved areas and not impact unpaved or natural environments. (Former U.S. Surgical Site - 78-98 Rebeschi Dr. North Haven, CT.)	Dewatering of a former Power House basement via sump pumps to provide access for personnel. Treatment may not be required except for solids filtration		
Status	Active	Active	Active		
Issued Date	10/26/2012	10/26/2012	9/10/2013		
Expire Date	2/15/2018	2/15/2018	3/29/2015		
Affiliate Add1	100 Pearl St 11th FL	150 Baker Avenue Ext., Suite 303 C/O Winstanley Enterprises	99 E River Dr Third FL		
Affiliate City	Hartford	Concord	East Hartford		
Affiliate State	CT	MA	CT		
Affiliate ZIP	06103	01742	06108		
Program	GENPT ENVIRONMENTAL RESOURCES MANAGEMENT	GENPT 415 WASHINGTON AVE PARTNERS LLC	GENPT CONCENTRA MEDICAL CENTER	GENPT CONNECTICUT TOOL & MANUFACTURING COMPANY, LLC	GENPT PRO LINE PRINTING INC
Client					
Permit ID	GRS000167	GRS000167	GPH000962	GTC000249	GPP000225
Permit El Type	Groundwater Remediation Wastewater To Surface Water-GP	Groundwater Remediation Wastewater To Surface Water-GP	Photographic Processing Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Printing & Publishing Wastewater-GP
App ID	201303800	201303800	200403085	200402826	200501455
Site Name	PRATT & WHITNEY	PRATT & WHITNEY	ALLIANCE OCCUPATIONAL HEALTH CENTER	CONNECTICUT TOOL & MANUFACTURING COMPANY, LLC	PRO LINE PRINTING
Site Address Line 1	415 WASHINGTON AVE	415 WASHINGTON AVE	440 NEW BRITAIN AVE	35 CORPORATE AVE	60 SECURITY DRIVE
Site City	NORTH HAVEN	NORTH HAVEN	PLAINVILLE	PLAINVILLE	PLAINVILLE
Site ZIP	06473	06473	06062	06062	06062
Permit Description	Dewatering of a former Power House basement via sump pumps to provide access for personnel. Treatment may not be required except for solids filtration	Dewatering of a former Power House basement via sump pumps to provide access for personnel. Treatment may not be required except for solids filtration	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER	MINOR TUMBLING OR CLEANING OF PARTS WASTEWATER	MINOR PRINTING AND PUBLISHING WASTEWATER
Status	Active	Active	Active	Active	Active
Issued Date	9/10/2013	9/10/2013	2/2/2005	1/7/2005	3/5/2008
Expire Date	3/29/2015	3/29/2015	2/2/2015	12/11/2013	2/15/2018
Affiliate Add1	99 E River Dr Third FL	670 POST RD SUITE 305	900 NORTHRUP RD	35 CORPORATE AVE	60 SECURITY DR
Affiliate City	East Hartford	Scarsdale	WALLINGFORD	PLAINVILLE	AVON
Affiliate State	CT	NY	CT	CT	CT
Affiliate ZIP	06108	10583	06492	06062	06001

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT TOWN OF PLAINVILLE	GENPT RITE AID HQTRS. CORP.	GENPT GENERAL ELECTRIC COMPANY	GENPT TOWN OF PLAINVILLE	GENPT TOWN OF PLAINVILLE	GENPT TOWN OF PLAINVILLE
Client						
Permit ID	GGR001121 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GPH000503 Photographic Processing Wastewater-GP	GGR001681 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GSM000004 Stormwater From Small Municipal Separate Storm Sewer Systems (MS4)-GP Part B	GPL000030 Swimming Pool Wastewater-GP	GGR001121 Groundwater Remediation Wastewater To A Sanitary Sewer-GP
Permit El Type						
App ID	200801238 PLAINVILLE PUBLIC WORKS	200801601 RITE AID #4687	200802413 GENERAL ELECTRIC CO	200902720 PLAINVILLE, TOWN OF	200903563 BERNER POOL	200801238 PLAINVILLE PUBLIC WORKS
Site Name						
Site Address Line 1	23 GRANGER LN	52 EAST STREET	41 WOODFORD AVE	MS4 PERMIT	NORTON PARK	23 GRANGER LN
Site City	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
Site ZIP	06062	06062	06062	06062	Berner Pool Norton Park Plainville, Ct. 06062	06062
Permit Description						
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/20/2008	6/11/2008	10/20/2008	7/22/2009	12/3/2009	5/20/2008
Expire Date	2/15/2018	6/11/2018	2/15/2018	1/8/2015	7/9/2014	
Affiliate Add1	1 CENTRAL SQ	5151 SAN FELIPE ST	10 NEW BRITAIN AVE A.K.A. 41 WOODFORD AVE	1 CENTRAL SQ	1 CENTRAL SQ	1 Central Sq
Affiliate City	PLAINVILLE	HOUSTON	PLAINVILLE	PLAINVILLE	PLAINVILLE	Plainville
Affiliate State	CT	TX	CT	CT	CT	CT
Affiliate ZIP	06062	77056	06062	06062	06062	06062
Program	GENPT TOWN OF PLAINVILLE	GENPT TOWN OF PLAINVILLE	GENPT PENSKE TRUCK LEASING CO.,L.P.	GENPT GENERAL ELECTRIC COMPANY	GENPT MANAFORT BROTHERS, INC	GENPT CWPM, LLC
Client						
Permit ID	GGR001121 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GVM001404 Vehicle Maintenance Wastewater-GP	GVM001446 Vehicle Maintenance Wastewater-GP	GWT000015 Wastewater General Permits	GVM000574 Vehicle Maintenance Wastewater-GP- Approval	GVM000260 Vehicle Maintenance Wastewater-GP
Permit El Type						
App ID	200801238 PLAINVILLE PUBLIC WORKS	201002326 NORTON PARK MAINTENANCE FACILITY	201005389 PENSKE TRUCK LEASING CO, LP	201005742 GENERAL ELECTRIC CO	201100872 Manafort Brothers Inc.	201101166 CWPM, LLC
Site Name						
Site Address Line 1	23 GRANGER LN	197 S WASHINGTON ST	19 SPARKS ST	41 WOODFORD AVE	414 NEW BRITAIN AVE	25 NORTON PL
Site City	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
Site ZIP	06062	06062	06062	06062	06062	CWMP, LLC 25 Norton PL Plainville, Ct. 06062
Permit Description						
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/20/2008	4/28/2010	9/3/2010	9/21/2010	3/4/2011	3/8/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	3/29/2015	1/23/2021	1/23/2021
Affiliate Add1	1 CENTRAL SQ	1 CENTRAL SQ	RT 10 GREEN HILLS; PO BOX 7635	41 WOODFORD AVE	PO BOX 99; 414 NEW BRITAIN AVE	25 NORTON PL
Affiliate City	PLAINVILLE	PLAINVILLE	READING	PLAINVILLE	PLAINVILLE	PLAINVILLE
Affiliate State	CT	CT	PA	CT	CT	CT
Affiliate ZIP	06062	06062	19603	06062	06062	06062

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT TOWN OF PLAINVILLE	GENPT TILCON CONNECTICUT INC.	GENPT M & T ENTERPRISE, LLC	GENPT GERVAIS BROS. INC.	GENPT CROWLEY FORD LLC	GENPT PARSONS BUICK CO.
<b>Client</b>						
<b>Permit ID</b>	GVM0000084	GVM000656	GVM001212	GVM000226	GVM000719	GVM000273
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201101473	201101853	201101913	201102301	201102411	201102293
<b>Site Name</b>	PLAINVILLE PUBLIC WORKS	TILCON PLAINVILLE QUARRY & PLANT FACILITY	M&T ENTERPRISES, LLC	GERVAIS BROS. INC	CROWLEY FORD LLC	PARSONS BUICK COMPANY, THE
<b>Site Address Line 1</b>	23 GRANGER LN	300 WOODFORD AVE	60 S CANAL ST	166 WHITING ST	225 NEW BRITAIN AVE	151 EAST ST
<b>Site City</b>	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
<b>Site ZIP</b>	06062	06062	06062	06062	06062	06062
<b>Permit Description</b>	Tilcon Plainville Quarry & Plant Facility 300 Woodford Ave. Plainville, Ct. 06062					The Parsons Buick CO. 151 East St. Plainville, Ct. 06062
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/11/2011	3/24/2011	3/28/2011	4/8/2011	4/8/2011	4/8/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	1 CENTRAL SQ	PO BOX 1357	60 S CANAL ST	166 WHITING ST	225 NEW BRITAIN AVE	PO Box 127
<b>Affiliate City</b>	PLAINVILLE	NEW BRITAIN	PLAINVILLE	PLAINVILLE	PLAINVILLE	Plainville
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06062	06050	06062	06062	06062	06062
<b>Program</b>	GENPT BROTHERS ENTERPRISES INC	GENPT MANAFORT BROTHERS, INC	GENPT RADIOLOGY ASSOCIATES, INC.	GENPT AQUA MASTERS OF SOUTHBROOK	GENPT ACE TRUCK REPAIR, INC.	
<b>Client</b>						
<b>Permit ID</b>	GVM000288	GHT000044	GPH001033	GPC000019	GVM000710	
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Hydrostatic Pressure Testing Wastewater-GP	Photographic Processing Wastewater-GP	Swimming Pool Wastewater-GP- Contractor	Véhiclé Maintenance Wastewater-GP	
<b>App ID</b>	201102485	201205244	200601495	200903506	201101861	
<b>Site Name</b>	SNO-WHITE CAR WASH	Manafort Brothers Inc.	RADIOLOGY ASSOCIATES, INC.	AQUA MASTERS OF SOUTHBROOK	ACE TRUCK REPAIR, INC.	
<b>Site Address Line 1</b>	118 WHITING ST	414 NEW BRITAIN AVE	991 S MAIN ST	965 S MAIN ST	12 PUTNAM PL	
<b>Site City</b>	PLAINVILLE	PLAINVILLE	PLANTSVILLE	PLANTSVILLE	Plantsville	
<b>Site ZIP</b>	06062	06062	06479	06479	06479	
<b>Permit Description</b>	Sno-White Car Wash 118 Whiting St. Plainville, Ct. 06062	Project: Plainfield Renewable, Energy - Project Location: 915 Norwich rd. Plainfield, CT 06374 - Discharge Locations: North Side of Millbrook Rd. Plainfield, CT and West Side of Packer Rd. Canterbury, CT	MINOR PHOTOGRAPHIC PROCESSING / 991 S. MAIN ST PLANTSVILLE, CT			
<b>Status</b>	Active	Active	Active	Active	Active	
<b>Issued Date</b>	4/13/2011	6/21/2012	5/24/2006	11/25/2009	3/24/2011	
<b>Expire Date</b>	1/23/2021	3/29/2015	5/24/2016	7/9/2014	1/23/2021	
<b>Affiliate Add1</b>	118 WHITE ST D/B/A SNO-WHITE CAR WASH	414 NEW BRITAIN AVE	101 N PLAINS INDUSTRIAL RD	965 S MAIN ST	12 PUTNAM PL	
<b>Affiliate City</b>	PLAINVILLE	PLAINVILLE	WALLINGFORD	PLANTSVILLE	PLANTSVILLE	
<b>Affiliate State</b>	CT	CT	CT	CT	CT	
<b>Affiliate ZIP</b>	06062	06062	06492	06479	06479	

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	TOWN OF PROSPECT	PROSPECT POOLS LLC	RYELOU, LLC	SOUTHBURG TOOL & MANUFACTURING CORPORATION	REM CHEMICALS, INC.
Permit ID	GSM000110	GPC000082	GVM001220	GTC000078	GMI000136
Permit El Type	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Swimming Pool Wastewater-GP-Contractor	Vehicle Maintenance Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Miscellaneous Discharges-GP-Transported To Potw < 5000 GPD
App ID	200903261	200903804	201102508	200203061	200601642
Site Name	PROSPECT, TOWN OF	PROSPECT POOLS LLC	RYELOU, LLC	SOUTHBURG TOOL & MANUFACTURING CO	REM CHEMICALS, INC.
Site Address Line 1	MS4 PERMIT	126 B WATERBURY ROAD	97 WATERBURY ROAD	300 ATWATER STREET	325 W QUEEN ST
Site City	PROSPECT	PROSPECT	PROSPECT	SOUTHBURG	SOUTHBURG
Site ZIP	06712	06712	06712	MINOR TUMBLING OR CLEANING OF PARTS	06489
Permit Description				DISCHARGES OF SEWER COMPATIBLE (MISC) WASTEWATER <5,000 GPD	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER
Status	Active	Active	Active	Active	Active
Issued Date	9/11/2009	3/30/2010	4/13/2011	8/19/2002	10/2/2006
Expire Date	1/8/2015	7/9/2014	1/23/2021	12/11/2013	10/30/2013
Affiliate Add1	36 CENTER ST	52 WATERBURY RD	87 WELDON CT	300 ATWATER ST	325 W QUEEN ST
Affiliate City	PROSPECT	PROSPECT	GOSHEN	PLANTSVILLE	SOUTHBURG
Affiliate State	CT	CT	CT	CT	New Britain
Affiliate ZIP	06712	06712	06756	06479	06489
Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	THE HOSPITAL OF CENTRAL CONNECTICUT AT NEW BRITAIN GENERAL AND BRADLEY MEMORIAL	THE HOSPITAL OF CENTRAL CONNECTICUT AT NEW BRITAIN GENERAL AND BRADLEY MEMORIAL	THE HOSPITAL OF CENTRAL CONNECTICUT AT NEW BRITAIN GENERAL AND BRADLEY MEMORIAL	K BROTHERS LLC	ETHICON ENDO-SURGERY, INC.
Permit ID	GPH001076	GPH001077	GPH001078	GGR001605	GGR001615
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
App ID	200702347	200702348	200702349	200800335	200701503
Site Name	Stephanie A. Urillo, DDS	WOMEN'S CENTER MED. ARTS BUILDING	HOSPITAL OF CENTRAL CONNECTICUT BRANDLEY CAMPUS	K BROTHERS LLC	SMITHS MEDICAL ASD, INC.
Site Address Line 1	360 N Main St	55 MERIDEN AVE	81 MERIDEN AVE	293 SPRING ST	201 W QUEEN ST
Site City	Southington	SOUTHBURG	SOUTHBURG	SOUTHBURG	SOUTHBURG
Site ZIP	06489	06489	06489	06489	06489
Permit Description	MINOR PHOTOGRAPHIC PROCESSING (SOUTHBURG DIAGNOSTICS CENTER 360 NORTH MAIN ST SOUTHBURG,CT)	MINOR PHOTOGRAPHIC PROCESSING (FACILITY: WOMEN'S CENTER MEDICAL ARTS BUILDING 55 MERIDEN AVENUE SOUTHBURG,CT)	MINOR PHOTOGRAPHIC (HOSPITAL CENTRAL CONNECTICUT @BRADLEY MEMORIAL HOSPITAL 81 MERIDEN AVE SOUTHBURG,CT)	DISCHARGE OF GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER-675 WETHERSFIELD AVE., HARTFORD,CT	GROUNDWATER ENVIRONMENTAL REMEDIATION
Status	Active	Active	Active	Active	Active
Issued Date	10/16/2007	10/16/2007	10/16/2007	2/15/2008	2/15/2008
Expire Date	10/8/2017	10/8/2017	10/8/2017	2/15/2018	2/15/2018
Affiliate Add1	81 MERIDEN AVE	81 MERIDEN AVE	81 MERIDEN AVE	293 SPRING ST	PO BOX 17970
Affiliate City	SOUTHBURG	SOUTHBURG	SOUTHBURG	SOUTHBURG	EL PASO
Affiliate State	CT	CT	CT	CT	TX
Affiliate ZIP	06489	06489	06489	06489	79917

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT UNITED TECHNOLOGIES CORPORATION	GENPT THE STEP SAVER, INC.	GENPT WAL-MART STORES EAST, LP	GENPT SOUTHINGTON BUSINESS PARK, LLC	GENPT SOUTHINGTON BUSINESS PARK, LLC	GENPT DRAKE PETROLEUM COMPANY, INC.
<b>Permit ID</b>	GGR001270	GPP000064	GMI000170	GGR001699	GGR001699	GGR001707
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Printing and Publishing Wastewater-GP >40 GPD	Miscellaneous Discharges-GP <5000 GPD	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	200801245	200801473	200802347	200802196	200802196	200902724
<b>Site Name</b>	YARDE METALS, INC.	STEP SAVER, INC.	WAL-MART STORES EAST L.P. DBA STORE #2897	SOUTHINGTON BUSINESS PARK	SOUTHINGTON BUSINESS PARK	FORMER MILLDALE EXTRAMART
<b>Site Address Line 1</b>	45 NEWELL ST	213 SPRING ST	235 QUEEN ST	75 AIRCRAFT ROAD	75 AIRCRAFT ROAD	1611 MERIDEN-WATERBURY TURNPIKE
<b>Site City</b>	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON
<b>Site ZIP</b>	06489	06489	06489	06489	06489	06467
<b>Permit Description</b>	GROUNDWATER REMEDIATION WASTEWATER TO A SANITARY SEWER-FMR PRATT & WHITNEY ORO FACILITY-45 NEWELL ST., SOUTHINGTON	MINOR PRINTING AND PUBLISHING WASTEWATER	MISCELLANEOUS DISCHARGES OF SEWER COMPATIBLE (MISC) WASTEWATER STORE #2897-235 QUEEN ST., SOUTHINGTON	GROUNDWATER REMEDIATION WASTEWATER TO SANITARY SEWER	GROUNDWATER REMEDIATION WASTEWATER TO SANITARY SEWER	FORMER MILLDALE XTRAMART-1611-1615 MERIDEN-WATERBURY TURNPIKE-SOUTHINGTON
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	5/20/2008	5/21/2008	10/24/2008	4/8/2009	4/8/2009	7/27/2009
<b>Expire Date</b>	2/15/2018	2/15/2018	10/30/2013	2/15/2018	2/15/2018	2/15/2018
<b>Affiliate Add1</b>	1 FINANCIAL PLZ	213 SPRING ST	1300 SW 8TH ST	ONE W AVE	1 WEST AVE	221 QUINEBAUG RD
<b>Affiliate City</b>	HARTFORD	SOUTHINGTON	BENTONVILLE	LARCHMONT	LARCHMONT	NORTH GROSVENORDALE
<b>Affiliate State</b>	CT	CT	AR	NY	NY	CT
<b>Affiliate ZIP</b>	06103	06489	72716	10538	10538	06255
<b>Program Client</b>	GENPT GROUNDWATER AND ENVIRONMENTAL SERVICES, INC.	GENPT TOWN OF SOUTHINGTON	GENPT TOWN OF SOUTHINGTON	GENPT SKYPOOLS LLC	GENPT TOWN OF SOUTHINGTON	
<b>Permit ID</b>	GGR001707	GSM000082	GPL000131	GPC000092	GWT000278	
<b>Permit El Type</b>	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Stormwater From Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP-Contractor	Water Treatment Wastewater-GP	
<b>App ID</b>	200902724	200903912	200903735	201002033	200501476	
<b>Site Name</b>	FORMER MILLDALE EXTRAMART	TOWN OF SOUTHINGTON	MEMORIAL PARK POOL	SKYPOOLS LLC	SOUTHINGTON WATER TREATMENT PLANT	
<b>Site Address Line 1</b>	1611 MERIDEN-WATERBURY TURNPIKE	MS4 PERMIT	WOODRUFF STREET	457 N Main St	89 MARIONDALE AVENUE	
<b>Site City</b>	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	Southington	SOUTHINGTON	
<b>Site ZIP</b>	06467	06489	06489	06489	06489	
<b>Permit Description</b>	FORMER MILLDALE XTRAMART-1611-1615 MERIDEN-WATERBURY TURNPIKE-SOUTHINGTON	MS4 PERMIT	MEMORIAL PARK-WOODRUFF SOUTHINGTON & RECREATION PARK COMMUNITY POOL-MAXWELL NOBLE DR-PLANTSVILLE (PERMIT #'S GPL000131 & GPL000132)		WATER TREATMENT WASTEWATER	
<b>Status</b>	Active	Active	Active	Active	Active	
<b>Issued Date</b>	7/27/2009	12/11/2009	12/15/2009	4/22/2010	4/15/2010	
<b>Expire Date</b>	2/15/2018	1/8/2015	7/9/2014	7/9/2014	3/29/2015	
<b>Affiliate Add1</b>	425 B HAYDEN STATION RD	75 Main St.	PO BOX 571 PARKS DEPARTMENT	457 N Main St 2nd Floor	Water Department 605 W Queen St - PO Box 111	
<b>Affiliate City</b>	WINDSOR	Southington	SOUTHINGTON	Southington	SOUTHINGTON	
<b>Affiliate State</b>	CT	CT	CT	CT	CT	
<b>Affiliate ZIP</b>	06095	06489	06489	06489	06489	

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT TOWN OF SOUTHBURY	GENPT TerraTherm, Inc.	GENPT De Maximis, Inc.	GENPT TOWN OF SOUTHBURY	GENPT AES Remedial Contracting LLC	GENPT SOUTHBURY AUTO WASH LLC
<b>Permit ID</b>	GWT000278	GGR001781	GGR001781	GVM000808	GVM001347	GVM001292
<b>Permit El Type</b>	Water Treatment Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	200501476	201006527	201006527	201100785	201100821	201100913
<b>Site Name</b>	SOUTHBURY WATER TREATMENT PLANT	SOLVENTS' RECOVERY SERVICES NEW ENGLAND SUPERFUND SITE	SOLVENTS' RECOVERY SERVICES NEW ENGLAND SUPERFUND SITE	SOUTHBURY WATER DEPT CREW GARAGE	AES Remedial Contracting LLC	SOUTHBURY AUTO WASH
<b>Site Address Line 1</b>	89 MARIONDALE AVENUE	90' LAZY LANE	90' LAZY LANE	605 W QUEEN ST	132 Town Line Rd	254 QUEEN STREET
<b>Site City Site ZIP</b>	SOUTHBURY 06489	SOUTHBURY 06489	SOUTHBURY 06489	SOUTHBURY 06489	Southington 06489	SOUTHBURY 06489
<b>Permit Description</b>	WATER TREATMENT WASTEWATER	Solvents Recovery New England Superfund Site-90 Lazy Ln., Southington	Solvents Recovery New England Superfund Site-90 Lazy Ln., Southington		132 Town Line Rd. Southington, Ct. 06489	Southington Auto Wash 254 Queen St. Southington, Ct. 06489
<b>Status Issued Date Expire Date</b>	Active 4/15/2010	Active 1/7/2011	Active 1/7/2011	Active 2/23/2011	Active 2/24/2011	Active 2/25/2011
<b>Affiliate Add1</b>	3/29/2015 WATER DEPARTMENT PO BOX 111	2/15/2018 10 Stevens Rd	2/15/2018 450 Montbrook Ln	1/23/2021 WATER DEPARTMENT 605 W QUEEN ST	1/23/2021 622 Reservoir Road	1/23/2021 43 COMMISSION ST
<b>Affiliate City Affiliate State Affiliate ZIP</b>	SOUTHBURY CT 06489	Fitchburg MA 01420	Knoxville TN 37919	SOUTHBURY CT 06489	Berlin CT 06037	SOUTHBURY CT 06489
<b>Program Client</b>	GENPT Bridgestone Retail Operations, LLC	GENPT MONRO MUFFLER BRAKE, INC.	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT STATE OF CONNECTICUT MILITARY DEPARTMENT	GENPT TOWN OF SOUTHBURY	GENPT A. DUE PYLE, INC.
<b>Permit ID</b>	GVM001174	GVM001235	GVM000008	GVM000168	GVM000195	GVM000259
<b>Permit El Type</b>	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP-Approval	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201100848	201101238	201101782	201100774	201102614	201102613
<b>Site Name</b>	FIRESTONE TIRE & SERVICE CENTERS #7053	MONRO MUFFLER BRAKE	SOUTHBURY MAINTENANCE GARAGE	NATIONAL GUARD ARMORY	SOUTHBURY TOWN HIGHWAY DEPT.	A. DUE PYLE COMPANIES
<b>Site Address Line 1</b>	288 QUEEN ST	445 QUEEN STREET	476 MULBERRY STREET	590 WOODRUFF ST	DELLA BITTA DRIVE	87 AIRCRAFT RD
<b>Site City Site ZIP</b>	SOUTHBURY 06489	SOUTHBURY 06489	SOUTHBURY	SOUTHBURY 06489	Southington 06489	SOUTHBURY 06489
<b>Permit Description</b>	Firestone Complete Auto Care 28 Queen St. Southington, Ct. 06489	MONRO MUFFLER BRAKE #508. 6120 445 Queen St. Southington, Ct.	LOCATION: SOUTHBURY MAINTENACE FACILT, 476 MULBERRY ST., PLANTSVILLE	LOCATION: SOUTHBURY FMS 2		LOCATION: 87 AIRCRAFT RD; SOUTHBURY
<b>Status Issued Date Expire Date</b>	Active 3/4/2011	Active 3/10/2011	Active 3/25/2011	Active 4/12/2011	Active 4/19/2011	Active 4/20/2011
<b>Affiliate Add1</b>	1/23/2021 PO Box 81070	1/23/2021 200 HOLLEDER PKWY	1/23/2021 PO BOX 317546; 2800 BERLIN TPKE	1/23/2021 360 BROAD ST	1/23/2021 DELLA BITTA DR	1/23/2021 650 WESTTOWN RD
<b>Affiliate City Affiliate State Affiliate ZIP</b>	Cleveland OH 44181	ROCHESTER NY 14615	NEWINGTON CT 06131	HARTFORD CT 06105	SOUTHBURY CT 06489	WEST CHESTER PA 19382

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	ARCADIS U.S., INC.	SOUTHBURG BUSINESS PARK, LLC	SMITHS MEDICAL ASD, INC.	BRIARD LODGING GROUP	POOLS BY MURPHY LLC
Permit ID	GGR001811	GGR001811	GMI000269	GPL000240	GPL000240
Permit El Type	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Miscellaneous Discharges-GP <5000 GPD	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP
App ID	201102925	201102925	201205334	201206258	201206258
Site Name	SOUTHBURG BUSINESS PARK	SOUTHBURG BUSINESS PARK	SMITHS MEDICAL ASD, INC.	HOMWOOD SUITES	HOMWOOD SUITES
Site Address Line 1	75 AIRCRAFT ROAD	75 AIRCRAFT ROAD	201 W QUEEN ST	1096 West St	1096 West St
Site City	SOUTHBURG	SOUTHBURG	SOUTHBURG	Southington	Southington
Site ZIP	06489	06489	06489	06489	06489
Permit Description	Southington Business Park, 75 Aircraft Rd., Southington	Southington Business Park, 75 Aircraft Rd., Southington	Undesignated Miscellaneous Wastewater discharge from tool cleaning unit.	Homewood Suites, 1096 West Street, Southington	Homewood Suites, 1096 West Street, Southington
Status	Active	Active	Active	Active	Active
Issued Date	9/14/2011	9/14/2011	7/3/2012	10/11/2012	10/11/2012
Expire Date	2/15/2018	2/15/2018	10/30/2013	7/9/2014	7/9/2014
Affiliate Add1	160 Chapel Rd	1 WEST AVE	201 W QUEEN ST	78 Okner Pkwy	21 Ozick Drive
Affiliate City	Manchester	LARCHMONT	SOUTHBURG	Livingston	Durham
Affiliate State	CT	NY	CT	NJ	CT
Affiliate ZIP	06042	10538	06489	07039	06422
Program	GENPT	GENPT	GENPT	GENPT	GENPT
Client	DISTRIBUTED ENERGY SYSTEMS CORP.	BYK CHEMIE USA, INC.	WEATHERFORD U.S. L.P.	CHOATE ROSEMARY HALL SCHOOL	PRINTED FILM OF WALLINGFORD, LLC
Permit ID	GCW000184	GMI000066	GMI000090	GPH000390	GPH000959
Permit El Type	Non-Contact Cooling and Heat Pump Wastewater-GP	Miscellaneous Discharges-GP- Transported To Potw < 5000 GPD	Miscellaneous Discharges-GP <5000 GPD	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP
App ID	200204104	200303555	200300011	200601785	200402874
Site Name	PROTON ENERGY SYSTEMS, INC.	BYK - CHEMIE USA	WEATHERFORD COMPLETIONS SYSTEMS	CHOATE SCHOOL PONDS	PRINTKO PHOTO & DIGITAL IMAGING CTR
Site Address Line 1	10 TECHNOLOGY DRIVE	524 S CHERRY ST	8 ENTERPRISE RD	35 N ELM ST	930 N COLONY RD
Site City	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site ZIP	06492	06492	06492	06492	06492
Permit Description	MINOR NON-CONTACT COOLING & HEAT PUMP WATER	MISC. WATERWATER DISCHARGE < 5,000 GPD	MISC - TRANSFER OF OWNERSHIP - WEATHERFORD US LP HAS PURCHASED THE ASSETS OF THE CIDRA LOCATED AT 8 ENTERPRISE RD.	MINOR PHOTOGRAPHIC WASTEWATER-192 CHRISTIAN ST., WALLINGFORD	MINOR PHOTOGRAPHIC PROCESSING
Status	Active	Active	Active	Active	Active
Issued Date	11/22/2002	12/1/2003	1/11/2005	6/15/2006	2/17/2005
Expire Date	3/29/2015	10/30/2013	10/30/2013	6/15/2016	2/17/2015
Affiliate Add1	10 TECHNOLOGY DR	524 S CHERRY ST	515 POST OAK BLVD	333 CHRISTIAN ST	1060 W MAIN ST
Affiliate City	WALLINGFORD	WALLINGFORD	HOUSTON	WALLINGFORD	BRANFORD
Affiliate State	CT	CT	TX	CT	CT
Affiliate ZIP	06492	06492	77027	06492	06405

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT RADIOLOGY ASSOCIATES, INC.	GENPT ULBRICH STAINLESS STEELS & SPECIAL METALS, INC.	GENPT MOA INC	GENPT GLASS INDUSTRIES OF AMERICA, LLC	GENPT IMPACT FINISHERS	GENPT WINCHESTER ELECTRONICS DIV.
<b>Permit ID</b>	GPH001036	GTC000063	GTC000191	GTC000233	GTC000237	GTC000255
<b>Permit El Type</b>	Photographic Processing Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP
<b>App ID</b>	200601498	200203271	200202849	200203411	200300479	200602004
<b>Site Name</b>	RADIOLOGY ASSOCIATES, INC.	Ulbrich Stainless Steels	COLONIAL FIREPLACE	GLASS INDUSTRIES OF AMERICA, LLC	IMPACT FINISHERS	WINCHESTER ELECTRONICS CORPORATION
<b>Site Address Line 1</b>	50 S MAIN ST	1 DUDLEY AVE	856 N MAIN STREET EXT	340 QUINNIPAC ST	29 CAPITAL DR	62 BARNES INDUSTRIAL ROAD NORTH
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site Zip</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	MINOR PHOTOGRAPHIC PROCESSING / 50 S. MAIN ST WALLINGFORD, CT	MINOR TUMBLING OR CLEANING OF PARTS	MINOR TUMBLING OR CLEANING OF PARTS	MINOR TUMBLING OR CLEANING OF PARTS (OLD FORM SUBMITTED)	MINOR TUMBLING OR CLEANING OF PARTS WASTEWATER	(MINOR TUMBLING OR CLEANING OF PARTS GENERAL PERMIT)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	5/24/2006	9/4/2002	7/2/2002	3/27/2003	5/27/2003	7/6/2006
<b>Expire Date</b>	5/24/2016	12/11/2013	12/11/2013	12/11/2013	12/11/2013	12/11/2013
<b>Affiliate Add1</b>	101 N PLAINS INDUSTRIAL RD	57 DODGE AVE	PO Box 763 DBA Colonial Fireplace Furnish	340 QUINNIPAC ST	29 CAPITAL DR	62 BARNES INDUSTRIAL PARK N
<b>Affiliate City</b>	WALLINGFORD	NORTH HAVEN	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	06492	06473	06492	06492	06492	06492
<b>Program Client</b>	GENPT TECH CIRCUIT, INC.	GENPT PRINTWORKS CENTER INC	GENPT THE R FRANK PRINTING CO.	GENPT ALLEGHENY LUDLUM LLC	GENPT RF PRINTING LLC	GENPT RF PRINTING LLC
<b>Permit ID</b>	GPP000221	GPP000114	GPP000213	GCW000229	GPP000248	GPP000248
<b>Permit El Type</b>	Printing & Publishing Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD	Non-Contact Cooling and Heat Pump Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Printing and Publishing Wastewater-GP <40 GPD
<b>App ID</b>	200502374	200801338	200801336	200801092	200801593	200801593
<b>Site Name</b>	TECH CIRCUITS, INC.	PRINTWORKS CENTER INC.	R FRANK PRINTING COMPANY	ALLEGHENY LUDLUM CORPORATION	RF PRINTING, LLC	RF PRINTING, LLC
<b>Site Address Line 1</b>	340 QUINNIPAC ST	29 N PLAINS INDUSTRIAL HWY	184 CENTER ST	80 VALLEY ST	200 CHURCH STREET	200 CHURCH STREET
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site Zip</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	MINOR PRINTING & PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER	REGISTRATION FORM FOR MINOR NON-CONTACT COOLING AND HEAT PUMP WATER	MINOR PRINTING AND PUBLISHING WASTEWATER	MINOR PRINTING AND PUBLISHING WASTEWATER
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/5/2008	5/13/2008	5/13/2008	6/26/2008	5/27/2009	5/27/2009
<b>Expire Date</b>	2/15/2018	2/15/2018	2/15/2018	3/29/2015	2/15/2018	2/15/2018
<b>Affiliate Add1</b>	340 QUINNIPAC ST SILVERSMITH PARK	29 NORTH PALIN HWY	184 CENTER ST	100 RIVER RD	200 CHURCH ST D/B/A ALPHA GRAPHICS	200 CHURCH ST D/B/A ALPHA GRAPHICS
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	BRACKENRIDGE	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	CT	CT	PA	CT	CT
<b>Affiliate Zip</b>	06492	06492	06492	15690	06492	06492

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT TOWN OF WALLINGFORD	GENPT CONCENTRA MEDICAL CENTER	GENPT CHOATE ROSEMARY HALL	GENPT GAYLORD HOSPITAL, INC.	GENPT WALLINGFORD YMCA	GENPT RITE AID HQTRS. CORP.
<b>Permit ID</b>	GSM000050 Stormwater From Small Municipal Separate Storm Sewer Systems (MS4)-GP- Part B	GPH000590 Photographic Processing Wastewater-GP	GPL000041 Swimming Pool Wastewater-GP	GPL000084 Swimming Pool Wastewater-GP	GPL000002 Swimming Pool Wastewater-GP	GPH001149 Photographic Processing Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	200901948 WALLINGFORD, TOWN OF	200903400 CONCENTRA MEDICAL CENTER	200903496 Larry Harte Pool	200903521 GAYLORD HOSPITAL	200903696 WALLINGFORD YMCA	200903990 RITE AID #0576
<b>Site Name</b>						
<b>Site Address Line 1</b>	MS4 PERMIT	900 NORTHROP RD	145 North Elm Street	50 GAYLORD FARM RD	81 S ELM ST	605 N Colony Rd
<b>Site City Site ZIP</b>	WALLINGFORD	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	Wallingford 06492
<b>Permit Description</b>	Renewal Permit #GSM0000050		Larry Harte Pool off 145 North Elm Street Wallingford, Ct. 06492			Rite# 576 (605 North Colony Rd. Wallingford, Ct. 06492) previous permit GPH000557 Qualex for Rite Aid #576.
<b>Status Issued Date Expire Date</b>	Active 6/23/2009 1/8/2015	Active 9/30/2009 9/29/2019	Active 10/9/2009 7/9/2014	Active 12/3/2009 7/9/2014	Active 12/21/2009 7/9/2014	Active 12/29/2009 12/28/2019
<b>Affiliate Add1</b>	45 S MAIN ST PUBLIC WORKS DEPT.	900 NORTHROP RD	333 CHRISTIAN ST	PO BOX 400	81 S ELM ST	PO BOX 3165
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	HARRISBURG
<b>Affiliate State</b>	CT	CT	CT	CT	CT	PA
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06492	17105
<b>Program Client</b>	GENPT PSC Environmental Services	GENPT FAULKNER PHYSICAL THERAPY GROUP, INC.	GENPT COURTYARD MARRIOTT	GENPT DISTRIBUTED ENERGY SYSTEMS CORP.	GENPT DISTRIBUTED ENERGY SYSTEMS CORP.	GENPT PROTON ENERGY SYSTEMS, INC
<b>Permit ID</b>	GPH001149 Photographic Processing Wastewater-GP	GPL000034 Swimming Pool Wastewater-GP	GPL000033 Swimming Pool Wastewater-GP	GWT000200 Water Treatment Wastewater-GP	GWT000200 Water Treatment Wastewater-GP	GWT000200 Water Treatment Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	200903990 RITE AID #0576	200903761 FAULKNER PHYSICAL THERAPY GROUP, INC	200903661 COURTYARD MARRIOTT	200702556 PROTON ENERGY SYSTEMS, INC.	200702556 PROTON ENERGY SYSTEMS, INC.	200702556 PROTON ENERGY SYSTEMS, INC.
<b>Site Name</b>						
<b>Site Address Line 1</b>	605 N Colony Rd	101 N PLAINS INDUSTRIAL RD	600 NORTHROP RD	10 TECHNOLOGY DRIVE	10 TECHNOLOGY DRIVE	10 TECHNOLOGY DRIVE
<b>Site City Site ZIP</b>	Wallingford 06492	WALLINGFORD 06492	WALLINGFORD 06492	WALLINGFORD 06492	WALLINGFORD 06492	WALLINGFORD 06492
<b>Permit Description</b>	Rite# 576 (605 North Colony Rd. Wallingford, Ct. 06492) previous permit GPH000557 Qualex for Rite Aid #576.	Faulkner Physical Therapy 101 North Plains Industrial Rd. Wallingford, Ct. 06492		WATER TREATMENT WASTEWATER-PERMIT #GWT000200	WATER TREATMENT WASTEWATER-PERMIT #GWT000200	WATER TREATMENT WASTEWATER-PERMIT #GWT000200
<b>Status Issued Date Expire Date</b>	Active 12/29/2009 12/28/2019	Active 1/5/2010 7/9/2014	Active 1/7/2010 7/9/2014	Active 4/15/2010 3/29/2015	Active 4/15/2010 3/29/2015	Active 4/15/2010 3/29/2015
<b>Affiliate Add1</b>	5151 San Felipe Street Suite 1600	101 N PLAINS INDUSTRIAL RD	600 NORTHROP RD	10 TECHNOLOGY DR	10 TECHNOLOGY DR	10 TECHNOLOGY DR
<b>Affiliate City</b>	Houston	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	TX	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	77056	06492	06492	06492	06492	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT EURO PERFORMANCE CARS, INC.	GENPT COVANTA PROJECTS OF WALLINGFORD, LIMITED PARTNERSHIP	GENPT PPL WALLINGFORD ENERGY LLC	GENPT TOWN OF WALLINGFORD	GENPT TOWN OF WALLINGFORD	GENPT WALGREEN EASTERN COMPANY, INC.
<b>Permit ID</b>	GVM001429 Véhiclé Maintenance Wastewater-GP	GWT000123 Water Treatment Wastewater-GP	GWT000179 Water Treatment Wastewater-GP	GWT000162 Water Treatment Wastewater-GP	GWT000022 Water Treatment Wastewater-GP	GPH001176 Photographic Processing Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	201004587 EURO PERFORMANCE CARS, INC.	201005385 COVANTA PROJECTS OF WALLINGFORD, L.P.	201005640 PPL WALLINGFORD ENERGY, LLC	201005652 OAK STREET TREATMENT STATION	201005653 PISTAPAUG POND WATER TREATMENT FAC.	201005581 WALGREENS NO. 10647
<b>Site Name</b>						
<b>Site Address Line 1</b>	800 SOUTH COLONY RD	530 S CHERRY ST	115 JOHN STREET	55 OAK ST	WHIRLWIND HILL ROAD	284 SOUTH COLONY ROAD
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492	Pistapaug Pond Water Treatment Facility	Store # 10647 (284 South Colony Rd. Wallingford, Ct. 06492)
<b>Permit Description</b>	CONSTRUCTION OF A 12,000 S.F.I. AUTOMOBILE SALES & SERVICES BUILDING W/ CAR WASH (PRIVATE, SINGLE STALL)			Oak Street Treatment Station 55 Oak St. Wallingford, Ct.		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	8/3/2010	9/3/2010	9/15/2010	9/17/2010	9/17/2010	9/21/2010
<b>Expire Date</b>	1/23/2021	3/29/2015	3/29/2015	3/26/2015	3/29/2015	9/9/2020
<b>Affiliate Add1</b>	800 S Colony Rd	530 S CHERRY ST	115 JOHN ST	377 SO CHERRY STREET	377 SO CHERRY STREET	200 WILMOT RD
<b>Affiliate City</b>	Wallingford	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	DEERFIELD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	IL
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06492	60015
<b>Program Client</b>	GENPT TIMES MICROWAVE SYSTEMS	GENPT TIMES MICROWAVE SYSTEMS	GENPT UNITED PARCEL SERVICE, INC.	GENPT TOWN OF WALLINGFORD	GENPT 856 NORTH COLONY ROAD, LLC	GENPT CHEAP AUTO RENTAL CO., LLC
<b>Permit ID</b>	GWT000286 Water Treatment Wastewater-GP	GWT000286 Water Treatment Wastewater-GP	GVM000948 Vehicle Maintenance Wastewater-GP	GVM000293 Vehicle Maintenance Wastewater-GP	GVM000813 Vehicle Maintenance Wastewater-GP	GVM000672 Vehicle Maintenance Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	200802444 TIMES MICROWAVE SYSTEMS	200802444 TIMES MICROWAVE SYSTEMS	201006349 UPS GROUND FREIGHT, INC.	201100230 WALLINGFORD WATER DIV OPERATIONS GARAGE	201100810 APPLE AUTOMOTIVE LLC	201101065 CHEAP AUTO RENTAL LLC
<b>Site Name</b>						
<b>Site Address Line 1</b>	358 HALL AVE	358 HALL AVE	130 NORTH PLAINS	377 S CHERRY ST	856 N COLONY RD	384 S COLONY RD
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	DISCHARGE OF WATER TREATMENT WASTEWATER (REVERSE OSMOSIS UNTI REJECT STREAM & BACKFLUSH WATER).	DISCHARGE OF WATER TREATMENT WASTEWATER (REVERSE OSMOSIS UNTI REJECT STREAM & BACKFLUSH WATER).	Renewal Permit #GVM000948	Water Division Operations Garage 377 South Cherry St. Wallingford, Ct. 06492	Permit Renewal #GVM000813-Executive Kia-856 N. Colony Rd., Wallingford	Permit Renewal #GVM000672
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/15/2010	10/15/2010	12/3/2010	1/24/2011	2/23/2011	2/28/2011
<b>Expire Date</b>	3/29/2015	3/29/2015	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	PO BOX 5039; 358 HALL AVE	PO BOX 5039; 358 HALL AVE	130 N PLAINS Industrial Rd	377 SO CHERRY STREET	1180 N COLONY RD	384 S COLONY RD
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	Wallingford
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06492	06492

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT GALENA ASSOCIATES, LLC	GENPT WALLINGFORD AUTO PARK, INC.	GENPT 1164-1174 North Colony Road, LLC	GENPT BRISTOL-MYERS SQUIBB COMPANY	GENPT DIGHELLO BROTHERS AUTO SALES, INC.	GENPT TOWN OF WALLINGFORD
Client						
Permit ID	GVM000943	GVM000998	GVM000265	GVM000067	GVM001003	GVM000050
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
App ID	201101080	201101084	201100867	201101210	201101258	201101346
Site Name	FAS MART 320	WALLINGFORD AUTOPARK, INC.	EXECUTIVE KIA	BRISTOL-MYERS SQUIBB	CONNECTICUT POWER & SPORT	WALLINGFORD PUBLIC WORKS DEPARTMENT
Site Address Line 1	720 N COLONY RD	485 N COLONY ST	1164 N COLONY RD	5 RESEARCH PKWY	935 N MAIN STREET EXT	29 TOWN FARM RD
Site City	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site ZIP	06492	06492	06492	06492	06492	06492
Permit Description	FAS MART 320 720 N. Colony Rd. Wallingford, Ct. 06492		1164 N Colony Rd. Wallingford, Ct. 06492	Permit Renewal #GVM000067, 5 Research Pkwy., Wallingford		Wallingford Public Works Dept. 29 Town Rd. Wallingford, Ct. 06492
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/3/2011	3/3/2011	3/4/2011	3/4/2011	3/9/2011	3/14/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	25 Main St DBA Valvoline Instant Oil Change	485 N COLONY ST	1164 N Colony Rd	5 RESEARCH PRWY	935 N Main St. Ext. DBA CT Power & Sport	29 TOWN FARM RD DEPARTMENT OF PUBLIC WORKS
Affiliate City	HARTFORD	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	WALLINGFORD
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06106	06492	06492	06492	06492	06492
Program	GENPT TOYOTA OF WALLINGFORD	GENPT VALENTI AUTO SALES INC.	GENPT CHOATE ROSEMARY HALL SCHOOL	GENPT STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	GENPT TOWN OF WALLINGFORD	GENPT TOWN OF WALLINGFORD
Client						
Permit ID	GVM000753	GVM000839	GVM000916	GVM001498	GVM000105	GVM000106
Permit El Type	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
App ID	201101581	201101605	201101731	201101800	201101833	201101834
Site Name	TOYOTA OF WALLINGFORD	PIONEER SUZUKI	REMSEN ARENA	DOT MAINTENANCE FACILITY	EAST WALLINGFORD VOL. FIRE DEPT CO #8	YALESVILLE VOLUNTEER FIRE DEPT - CO #5
Site Address Line 1	859 N COLONY RD	475 N COLONY ST	331 CHRISTIAN ST	WHARTON BROOK CONNECTOR EXIT 13 OFF RT 91	2 KONDRAKCI LN	143 HOPE HILL RD
Site City	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site ZIP	06492	06492	06492	06492	06492	06492
Permit Description	LOCATION: REMSEN ARENA		LOCATION: WALLINGFORD MAINTENANCE FACILITY, WHARTON BROOK CONNECTOR. REPLACES FORMER GVS000856	LOCATION: WALLINGFORD MAINTENANCE FACILITY, WHARTON BROOK CONNECTOR. REPLACES FORMER GVS000856	East Wallingford Vol. Fire Dept CO #8 2 Kondracki Ln. Wallingford, Ct. 06492	Yalesville Volunteer Fire Dept. - CO #5 143 Hope Hill Rd. Wallingford, Ct.
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/18/2011	3/18/2011	3/22/2011	3/25/2011	3/28/2011	3/28/2011
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
Affiliate Add1	859-861 NORTH COLONY RD	475 N COLONY ST DBA PIONEER SUZUKI	333 CHRISTIAN ST	PO BOX 317546; 2800 BERLIN TPKE	75 MASONIC AVE DEPT. OF FIRE SERVICES	75 MASONIC AVE DEPT. OF FIRE SERVICES
Affiliate City	WALLINGFORD	WALLINGFORD	WALLINGFORD	NEWINGTON	WALLINGFORD	WALLINGFORD
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06492	06492	06492	06131	06492	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	TOWN OF WALLINGFORD	TOWN OF WALLINGFORD	TOWN OF WALLINGFORD	THE W.L. CLARK COMPANY	LAFORD'S YALE AVE CAR WASH	TIMOTHY M CLARK
<b>Permit ID</b>	GVM000107	GVM000108	GVM000109	GVM000299	GVM000755	GVM001509
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201101835	201101836	201101837	201101724	201102122	201102317
<b>Site Name</b>	Wallingford Fire Department	WALLINGFORD DEPT. OF FIRE SERVICE - CO #1	COOK HILL VOLUNTEER FIRE DEPT - CO #4	THE W.L. CLARK COMPANY	LAFORD'S YALE AVENUE CAR WASH	PLAZA SERVICE CENTER, INC.
<b>Site Address Line 1</b>	75 MASONIC AVE	95 N MAIN ST	37 HALL RD	30 BARNES INDUSTRIAL PARK RD SOUTH	968 YALE AVE	12 N PLAINS INDUSTRIAL RD
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	Wallingford Fire Dept. 75 Masonic Ave. Wallingford, Ct.	Wallingford Fire Dept. Of Fire Service - CO #1 95 N. Main St. Wallingford, Ct.	Cook Hill Volunteer Fire Dept. CO #4 - 37 Hall Rd. Wallingford, Ct. 06492	30 Barnes Industrial Park S. Wallingford, Ct. 06492		Permit Renewal #GVS000890
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/28/2011	3/28/2011	3/28/2011	3/28/2011	4/4/2011	4/5/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	75 MASONIC AVE DEPT. OF FIRE SERVICES	75 MASONIC AVE DEPT. OF FIRE SERVICES	75 MASONIC AVE DEPT. OF FIRE SERVICES	PO BOX 300	968 YALE AVE	12 N PLAINS INDUSTRIAL RD
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Program</b>	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
<b>Client</b>	A&R BODY SPECIALTY AND COLLISION WORKS, INC.	QUALITY SUBARU	BARBERINO BROTHERS, INCORPORATED	WALLINGFORD BUICK-GMC	HUNTER'S AMBULANCE SERVICE INC	SCRUBBIN BUBBLES IV, LLC
<b>Permit ID</b>	GVM000031	GVM001513	GVM001514	GVM000102	GVM001156	GVM001101
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP-Approval	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201101758	201102364	201102506	201102565	201102617	201102626
<b>Site Name</b>	A & R BODY SPECIALTY AND COLLISION WORKS, INC.	QUALITY SUBARU	BARBERINO BROTHERS INC.	WALLINGFORD BUICK-GMC	HUNTER'S AMBULANCE SERVICE	SCRUBBIN BUBBLES
<b>Site Address Line 1</b>	151 N PLAINS INDUSTRIAL RD	711 N COLONY RD	505 N COLONY ST	1122 NORTH COLONY ROAD	47 N PLAINS INDUSTRIAL RD	950-960 SOUTH COLONY ROAD
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492		LOCATION: 952-960 SOUTH COLONY RD, WALLINGFORD
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/6/2011	4/13/2011	4/13/2011	4/18/2011	4/18/2011	4/20/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	151 N PLAINS INDUSTRIAL RD	711 N Colony Rd	505 N COLONY ST	1122 OLD NORTH COLONY RD	450 W MAIN ST	891 N Colony Rd
<b>Affiliate City</b>	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	MERIDEN	Wallingford
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06451	06492

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GENPT SCRUBBIN' BUBBLES DUDLEY LLC	GENPT SCRUBBIN' BUBBLES CARWASH III, LLC	GENPT CONCENTRA MEDICAL CENTER	GENPT Lucky RC, LLC	GENPT Lucky RC, LLC	GENPT GLO AUTOMOTIVE, INC.
<b>Client</b>						
<b>Permit ID</b>	GVM000748	GVM001102	GPH000590	GVM001522	GVM001522	GVM001524
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	201102627	201102630	201104549	201104729	201104729	201105632
<b>Site Name</b>	SCRUBBIN' BUBBLES	SCRUBBIN' BUBBLES CAR WASH III LLC	CONCENTRA MEDICAL CENTER	LUCKY RC, LLC	LUCKY RC, LLC	EXECUTIVE KIA
<b>Site Address Line 1</b>	130 DUDLEY AVE	448 N COLONY ST	900 NORTHRUP RD	891 N COLONY RD	891 N COLONY RD	1164 N COLONY RD
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	LOCATION: 130 DUDLEY AVE, WALLINGFORD	LOCATION: 448 N COLONY ST, WALLINGFORD, CT	Renewal of Permit #GPH000590, 900 Northrop Rd., Wallingford	895 North Colony Rd., Wallingford	895 North Colony Rd., Wallingford	Transferral/Renewal of GVM000265
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/21/2011	4/21/2011	6/7/2011	6/13/2011	6/13/2011	6/24/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	2/15/2018	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	891 N Colony Rd	891 N Colony Rd	900 NORTHRUP RD	891 N Colony Rd	891 N Colony Rd	1180 N Colony Rd DBA: EXECUTIVE KIA
<b>Affiliate City</b>	Wallingford	Wallingford	WALLINGFORD	Wallingford	Wallingford	Wallingford
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Program</b>	GENPT TECH CIRCUIT, INC.	GENPT FKI INDUSTRIES INC	GENPT TJS AUTOBODY LLC	GENPT Wallingford Energy, LLC	GENPT EXECUTIVE AUTO GROUP	GENPT EXECUTIVE AUTO GROUP
<b>Client</b>						
<b>Permit ID</b>	GPH001206	GGR001796	GVM001538	GCW000258	GVM001543	GVM001545
<b>Permit El Type</b>	Photographic Processing Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP
<b>App ID</b>	201105007	201105787	201106386	201106615	201106744	201106753
<b>Site Name</b>	TECH CIRCUITS, INC.	STONE SAFETY CORP	TJS AUTOBODY LLC	PPL WALLINGFORD ENERGY, LLC	EXECUTIVE HONDA BODY SHOP	EXECUTIVE DODGE
<b>Site Address Line 1</b>	340 QUINNIPAC ST	26 BARNES IND PARK NO	508 N Colony Rd	115 JOHN STREET	1194 N COLONY RD	406 S ORCHARD ST
<b>Site City</b>	WALLINGFORD	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site ZIP</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	Temporary authorization discharge permit for the discharge of remediation wastewater to sanitary sewer.	Development of a autobody repair facility.			Executive Honda Body Shop, 1194 N Colony Rd., Wallingford	Executive Dodge - 406 S. Orchard St. Wallingford, Ct. (Replaces GVS001013)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	7/15/2011	8/2/2011	9/9/2011	10/3/2011	10/11/2011	10/14/2011
<b>Expire Date</b>	7/14/2021	2/15/2018	1/23/2021	3/29/2015	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	SILVERSMITH PARK 340 QUINNIPAC ST	2077 Convention Center Concourse	508 N Colony Rd	115 John St	1180 N COLONY RD	1180 N COLONY RD
<b>Affiliate City</b>	WALLINGFORD	College Park	Wallingford	Wallingford	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	GA	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	30337	06492	06492	06492	06492

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	GENPT Wallingford Energy, LLC	GENPT VALENTI AUTO SALES INC.	GENPT New England Industrial Truck Inc.	GENPT New England Industrial Truck Inc.	GENPT Apple Automotive LLC	GENPT EXXONMOBIL OIL CORPORATION
<b>Permit ID</b>	GW1000309	GVM001572	GVM001589	GVM001589	GVM000813	GGR001835
<b>Permit El Type</b>	Water Treatment Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP
<b>App ID</b>	201106614 PPL WALLINGFORD ENERGY, LLC	201200730 VALENTI CHEVROLET	201201715 CONN WIRE PRODUCTS	201201715 CONN WIRE PRODUCTS	201203374 APPLE AUTOMOTIVE LLC	201202934 MOBIL #12299
<b>Site Name</b>	115 JOHN STREET	399 N COLONY ST	20 N PLAINS INDUSTRIAL RD	20 N PLAINS INDUSTRIAL RD	856 N COLONY RD	440 MAIN ST
<b>Site Address Line 1</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site City</b>	06492	06492	06492	06492	06492	06492
<b>Site ZIP</b>	Valenti Auto Sales Inc. - 399 North Colony St. Wallingford, Ct.	Elm City North Plains Industrial Assoc., 20 North Plains Industrial Rd., Wallingford	Elm City North Plains Industrial Assoc., 20 North Plains Industrial Rd., Wallingford	Apple Automotive LLC, 856 Colony Rd. Wallingford, Ct. 06492 (Formerly GVM000813)	Excavation with dewatering, treatment, and discharge to sanitary sewer. Yalesville (Wallingford, Ct.)	
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/28/2011	3/1/2012	3/29/2012	3/29/2012	4/13/2012	4/17/2012
<b>Expire Date</b>	3/29/2015	1/23/2021	1/23/2021	1/23/2021	1/23/2021	2/15/2018
<b>Affiliate Add1</b>	115 John St	399 N Colony St	195 Wildwood Ave	20 N Plains Industrial Rd Suite 6A	856 N Colony Rd	52 BEACHAM ST
<b>Affiliate City</b>	Wallingford	Wallingford	Woburn	Wallingford	Wallingford	EVERETT
<b>Affiliate State</b>	CT	CT	MA	CT	CT	MA
<b>Affiliate ZIP</b>	06492	06492	01801	06492	06492	02149
<b>Program Client</b>	GENPT EXXONMOBIL OIL CORPORATION	GENPT Old Colony Place Condominium Association, Inc.	GENPT Silversmith Commons Association, Inc.	GENPT BRISTOL-MYERS SQUIBB COMPANY	GENPT CHESHIRE CROSSING II HOMEOWNER'S ASSOCIATION, INC.	GENPT OLDE OAK VILLAGE CONDOMINIUM ASSOCIATION, INC.
<b>Permit ID</b>	GGR001835 Groundwater Remediation Wastewater To A Sanitary Sewer-GP	GDS000206 Domestic Sewage Wastewater-GP	GDS000207 Domestic Sewage Wastewater-GP	GPH000903 Photographic Processing Wastewater-GP	GDS000212 Domestic Sewage Wastewater-GP	GDS000213 Domestic Sewage Wastewater-GP
<b>Permit El Type</b>						
<b>App ID</b>	201202934 MOBIL #12299	201204816 OLD COLONY PLACE CONDOMINIUMS	201205263 SILVERSMITH COMMONS CONDOMINIUMS	201300188 BRISTOL-MYERS SQUIBB	201301189 CHESHIRE CROSSING II CONDOMINIUMS	201302012 OLDE OAK VILLAGE
<b>Site Name</b>	440 MAIN ST	1163 Old Colony Rd	2 Bull Ave	5 RESEARCH PKWY	1425 Tuttle Ave	SOUTH TURNPIKE ROAD
<b>Site Address Line 1</b>	WALLINGFORD	Wallingford	Wallingford	WALLINGFORD	Wallingford	WALLINGFORD
<b>Site City</b>	06492	06492	06492	06492	06492	06492
<b>Site ZIP</b>	Excavation with dewatering, treatment, and discharge to sanitary sewer. Yalesville (Wallingford, Ct.)	Community sewage system twenty (20) residential condominium dwelling units.	Common Interest Community Comprised of Electric (11) Residential Condominium Dwelling Units (#2 Bull Ave. Wallingford, Ct. 06492)		Community comprised of 41 residential condominium dwelling units.	Common interest community comprised of 80 residential condominium dwelling units.
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/17/2012	6/15/2012	6/21/2012	1/15/2013	3/21/2013	4/30/2013
<b>Expire Date</b>	2/15/2018	6/11/2022	6/11/2022	1/14/2023	10/8/2022	10/8/2022
<b>Affiliate Add1</b>	52 BEACHAM ST	88 Woodhouse Ave	339 Barnes Rd	5 RESEARCH PKWY	194 N Plains Industrial Rd C/O Alan Barberino Real Estate, LLC Wallingford	P O BOX 6094
<b>Affiliate City</b>	EVERETT	Wallingford	Wallingford	WALLINGFORD	Wallingford	WALLINGFORD
<b>Affiliate State</b>	MA	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	02149	06492	06492	06492	06492	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT ENTHONE INC.	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	GENPT KX INDUSTRIES, L.P.	GENPT KX INDUSTRIES, L.P.	GENPT UNIVERSITY OF NEW HAVEN, INCORPORATED	GENPT WALGREEN EASTERN COMPANY, INC.
Client						
Permit ID	GCW000068	GCW000219	GMI000052	GMI000052	GPH000374	GPH000952
Permit El Type	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Miscellaneous Discharges-GP <5000 GPD	Miscellaneous Discharges-GP <5000 GPD	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP
App ID	200301565	200502542	200301859	200301859	200502180	200402433
Site Name	ENTHONE	SPRING STREET PUMP STATION	KX TECHNOLOGIES LLC	KX TECHNOLOGIES LLC	UNIVERSITY OF NEW HAVEN	WALGREENS #7584
Site Address Line 1	250 FRONTAGE RD	153 SPRING ST	55 RAILROAD AVE	55 RAILROAD AVE	300 BOSTON POST RD	394 CAMPBELL AVE
Site City	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
Site ZIP	06516	06516	06516	06516	06516	06516
Permit Description	MINOR NON-CONTACT COOLING & HEAT PUMP	DISCHARGE OF NON- COOLING WATER TO SANITARY SEWER	FILTER MEDIA MANUFACTURING FOR WATER & AIR PURIFICATION	FILTER MEDIA MANUFACTURING FOR WATER & AIR PURIFICATION	MINOR PHOTOGRAPHIC PROCESSING	MINOR PHOTOGRAPHIC PROCESSING WASTEWATER - WALGREEN #7584 (WEST HAVEN)
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/23/2003	1/20/2006	7/7/2003	7/7/2003	10/3/2005	9/28/2004
Expire Date	3/29/2015	3/29/2015	10/30/2013	10/30/2013	5/21/2016	9/28/2014
Affiliate Add1	350 FRONTAGE RD	90 SARGENT DR	269 S LAMBERT RD	269 S LAMBERT RD	300 BOSTON POST RD	200 WILMOT RD MS#2171
Affiliate City	WEST HAVEN	NEW HAVEN	ORANGE	ORANGE	WEST HAVEN	DEERFIELD
Affiliate State	CT	CT	CT	CT	CT	IL
Affiliate ZIP	06516	06511	06477	06477	06516	60015
Program	GENPT YALE UNIVERSITY	GENPT WAL-MART STORES EAST, LP	GENPT ENTHONE INC.	GENPT WATSON FOODS CO., INC.	GENPT COSMO'S FOOD PRODUCTS, INC.	GENPT GHP MEDIA, INC.
Client						
Permit ID	GPH000410	GPH001059	GMI000145	GFP000017	GFP000020	GPP000124
Permit El Type	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Miscellaneous Discharges-GP- Transported To Potw < 5000 GPD	Food Processing Wastewater-GP	Food Processing Wastewater-GP	Printing & Publishing Wastewater-GP
App ID	200700446	200700394	200701329	200800964	200801096	200801060
Site Name	SMILOW FIELD CENTER	WAL-MART STORE #3803	ENTHONE, INC.	WATSON FOODS CO., INC.	COSMO'S FOOD PRODUCTS, INC.	HERLIN PRESS, INCORPORATED
Site Address Line 1	252 DERBY AVE	515 SAW MILL ROAD	350 FRONTAGE RD	301 HEFFERNAN DR	200 CALLEGARI DR	475 HEFFERNAN DR
Site City	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
Site ZIP	06516	06516	06516	06516	06516	06516
Permit Description	MINOR PHOTOGRAPHIC PROCESSING	INSTALLATIN OF SILVER RECOVERY UNIT FOR TREATMENT OF PHOTOGRAPHIC PROCESSING WASTEWATER	INSTLLATIN OF SEWER COMPATIBLE WASTEWATER	DISCHARGE OF FOOD PROCESSING WASTEWATER PERMIT NO. GFP000017	DISCHARGE OF FOOD PROCESSING WASTEWATER	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/26/2007	3/22/2007	5/25/2007	4/16/2008	4/21/2008	4/21/2008
Expire Date	7/21/2017	3/22/2017	10/30/2013	2/11/2018	2/11/2018	2/15/2018
Affiliate Add1	135 College St OFC of Env. Health & Safety	LICENSING 702 SW STH ST	350 FRONTAGE RD	301 HEFFERNAN DR	200 CALLEGARI DR	475 HEFFERNAN DR
Affiliate City	NEW HAVEN	BENTONVILLE	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
Affiliate State	CT	AR	CT	CT	CT	CT
Affiliate ZIP	06510	72716	06516	06516	06516	06516

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	GENPT FROZEN SPECIALTIES, INC.	GENPT H.D. WILSON PRINTER	GENPT DEUTSCH PLASTIC COMPANY, INC.	GENPT CITY OF WEST HAVEN	GENPT KX TECHNOLOGIES LLC	GENPT CANNELLI PRINTING COMPANY, INC.
<b>Permit ID</b>	GFP000039	GPP000172	GMI000173	GSM000002	GMI000187	GPP000254
<b>Permit El Type</b>	Food Processing Wastewater-GP	Printing and Publishing Wastewater-GP <40 GPD	Miscellaneous Discharges-GP- Transported To Potw < 5000 GPD	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP-Part B	Miscellaneous Discharges-GP >5000 GPD	Printing & Publishing Wastewater-GP
<b>App ID</b>	200801134	200801296	200701311	200902139	200902515	200903052
<b>Site Name</b>	FROZEN SPECIALTIES, INC.	THERMAL FIREPROOFING & ACOUSTICS CO.	DEUTSCH PLASTIC COMPANY, INC.	WEST HAVEN, CITY OF	KX TECHNOLOGIES LLC	CANNELLI PRINTING CO., INC.
<b>Site Address Line 1</b>	135 FRONT AVENUE	83 FARWELL ST	14 FARWELL ST	MS4 PERMIT	55 RAILROAD AVE	39 WOOD STREET
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	DISCHARGE OF FOOD PROCESSING WASTEWATER	MINOR PRINTING AND PUBLISHING WASTEWATER-THERMAL FIREPROOFING & ACOUSTICS CO.	MISCELLANEOUS DISCHARGES OF SEWER COMPATIBLE (MISC) WASTEWATER-<5,000 GPD			
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	4/28/2008	5/13/2008	2/20/2009	7/2/2009	7/30/2009	9/1/2009
<b>Expire Date</b>	2/11/2018	2/15/2018	10/30/2013	1/8/2015	10/30/2013	2/15/2018
<b>Affiliate Add1</b>	135 FRONT AVE	81 FARWELL ST	14 FARWELL ST	355 MAIN ST	55 RAILROAD AVE	39 Wood Street
<b>Affiliate City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	West Haven
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Program Client</b>	GENPT PENSKE TRUCK LEASING CO.,L.P.	GENPT YALE UNIVERSITY	GENPT YALE UNIVERSITY	GENPT IMAGINEERS, LLC	GENPT SAVIN PARK CONDO. ASSOCIATION	GENPT ENTHONE INC.
<b>Permit ID</b>	GVM001356	GCW000246	GCW000246	GPL000211	GPL000211	GWT000005
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Water Treatment Wastewater-GP
<b>App ID</b>	200702212	200702332	200702332	201004019	201004019	201005678
<b>Site Name</b>	Penske Truck Leasing Co. LP	YALE UNIVERSITY	YALE UNIVERSITY	SAVIN PARK CONDO ASSOCIATION	SAVIN PARK CONDO ASSOCIATION	ENTHONE, INC.
<b>Site Address Line 1</b>	38 BOSTON POST RD	400 MORGAN LN	400 MORGAN LN	60 Savin Park	60 Savin Park	350 FRONTAGE RD
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	West Haven	West Haven	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	CONSTRUCTION OF A TRUCK SERVICE GARAGE ALONG BOSTON POST RD., VEHICLE MAINTENANCE WASTEWATER	NON-CONTACT COOLING AND HEAT PUMP WATER-400 MORGAN LN., WEST HAVEN, CT	NON-CONTACT COOLING AND HEAT PUMP WATER-400 MORGAN LN., WEST HAVEN, CT			ENTHONE-OMI - 350 Frontage Rd. West Haven, Ct. 06516
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	1/26/2010	4/15/2010	4/15/2010	7/6/2010	7/6/2010	9/22/2010
<b>Expire Date</b>	1/23/2021	3/29/2015	3/29/2015	7/9/2014	7/9/2014	3/29/2015
<b>Affiliate Add1</b>	PO BOX 7635	135 COLLEGE ST 1ST FLOOR	135 COLLEGE ST	249 West St - 2ND FLOOR	60 Savin Ave	400 FRONTAGE RD
<b>Affiliate City</b>	READING	NEW HAVEN	NEW HAVEN	Seymour	West Haven	WEST HAVEN
<b>Affiliate State</b>	PA	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	19603	06510	06510	06483	06516	06516

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	GENPT KX TECHNOLOGIES LLC	GENPT D & M REALTY, INC.	GENPT CITY OF WEST HAVEN	GENPT WAL-MART STORES EAST, LP	GENPT STAR DISTRIBUTORS, INC.	GENPT CAMPBELL AVENUE SHELL
<b>Permit ID</b>	GW1000228	GVM000677	GVM000692	GVM001005	GVM000905	GVM000950
<b>Permit El Type</b>	Water Treatment Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP
<b>App ID</b>	200902513	201100743	201100963	201100973	201100752	201101572
<b>Site Name</b>	KX TECHNOLOGIES LLC	D & M REALTY, INC.	WEST HAVEN PUBLIC WORKS GARAGE	WAL-MART STORE #3803	STAR DISTRIBUTORS INC.	Campbell Avenue Shell
<b>Site Address Line 1</b>	55 RAILROAD AVE	45 INDUSTRY DR	32 COLLIS ST	515 SAW MILL ROAD	10 EDER RD	658 CAMPBELL AVE
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>		Renewal Permit #GVM000677		WAL-MART STORE #3803 @515 SAW MILL RD, WEST HAVEN, CT	10 Eder Rd. West Haven, Ct. 06516	C M of Norwalk / 658 Campbell Ave, West Haven, Ct. 06516
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/22/2009	2/16/2011	2/25/2011	3/4/2011	3/4/2011	3/18/2011
<b>Expire Date</b>	3/29/2015	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	55 RAILROAD AVE	45 INDUSTRY DR	355 MAIN ST	508 SW 8th St	460 FRONTAGE RD	658 CAMPBELL AVE
<b>Affiliate City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	Bentonville	WEST HAVEN	WEST HAVEN
<b>Affiliate State</b>	CT	CT	CT	AR	CT	CT
<b>Affiliate ZIP</b>	06516	06516	06516	72712	06516	06516
<b>Program Client</b>	GENPT TRANSPORTATION GENERAL, INC.	GENPT A & S AUTO REPAIR & BODY SHOP, INC.	GENPT High Line Lube LLC	GENPT GEORGE HARTE NISSAN, INC.	GENPT ANDRADE MOTOR CAR, INC.	GENPT A & M CAR WASHES, INC.
<b>Permit ID</b>	GVM001344	GVM000222	GVM001503	GVM000581	GVM000815	GVM000526
<b>Permit El Type</b>	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP	Véhicule Maintenance Wastewater-GP
<b>App ID</b>	201101583	201101585	201101973	201102286	201102510	201102553
<b>Site Name</b>	TRANSPORTATION GENERAL DBA: METRO TAXI	AUTO SPECIALISTS, INC.	VAVOLINE INSTANT OIL CHANGE	GEORGE HARTE NISSAN, INC.	ANDRADE MOTOR CAR, INC.	BROTHERS 4 CAR WASH
<b>Site Address Line 1</b>	65 INDUSTRY DRIVE	401 ELM ST	790 CAMPBELL AVE	426 DERBY AVE	975 CAMPBELL AVE	936 BOSTON POST RD
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	Transportation General DBA: Metro Taxi 65 Industry Dr. West Haven, Ct. 06516	Auto Specialist 401 Elm St. West Haven, Ct. 06516	Valvoline Instant Oil Change 790 Campbell Ave. West Haven, Ct. 06516	Permit Renewal #GVM000581		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	3/18/2011	3/18/2011	4/1/2011	4/5/2011	4/13/2011	4/14/2011
<b>Expire Date</b>	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	65 INDUSTRY DRIVE DBA METRO TAXI	401 ELM ST	4th Fl. 25 Main St	426 DERBY AVE	975 CAMPBELL AVE	936 BOSTON POST RD DBA BROTHER 4 CAR WASH
<b>Affiliate City</b>	WEST HAVEN	WEST HAVEN	Hartford	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06516	06516	06106	06516	06516	06516

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	GENPT NEW HAVEN BUS SERVICE INC.	GENPT NEW HAVEN BUS SERVICE INC.	GENPT MANAFORT BROTHERS, INC	GENPT TMK REALTY, LLC	GENPT NEW ENGLAND COLLISION	GENPT NEW ENGLAND COLLISION
<b>Permit ID</b>	GVM001528	GVM001528	GR001793	GVM001058	GVM001544	GVM001544
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP	Véhiclé Maintenance Wastewater-GP
<b>App ID</b>	200802714	200802714	201105427	201106605	200301378	200301378
<b>Site Name</b>	NEW HAVEN BUS SERVICE INC.	NEW HAVEN BUS SERVICE INC.	WEST HAVEN RAILROAD STATION	SPLASH WEST HAVEN	NEW ENGLAND COLLISION	NEW ENGLAND COLLISION
<b>Site Address Line 1</b>	235 FRONT AVE	235 FRONT AVE	RAILROAD AVENUE TO HOOD TERRACE	2 BOSTON POST RD	465 DERBY AVE	465 DERBY AVE
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	EXCAVATION AND CONSTRUCTION OF NEW COMMUTER RAILROAD STATION WITH SURFACE PARKING LOTS ON NORTH AND SOUTH SIDES OF EXISTING TRACKS.	Location: Splash West Haven, 2 Boston Post Rd. West Haven	GENERAL PERMIT FOR THE DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	GENERAL PERMIT FOR THE DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	7/12/2011	7/12/2011	8/2/2011	9/30/2011	12/9/2003	12/9/2003
<b>Expire Date</b>	1/23/2021	1/23/2021	2/15/2018	1/23/2021	1/23/2021	1/23/2021
<b>Affiliate Add1</b>	235 FRONT AVE	235 FRONT AVE	414 NEW BRITAIN AVE	66 Gatehouse Rd	465 DERBY AVE	465 DERBY AVE
<b>Affiliate City</b>	WEST HAVEN	WEST HAVEN	PLAINVILLE	Stamford	WEST HAVEN	WEST HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06516	06516	06062	06902	06516	06516
<b>Program Client</b>	GENPT NEW ENGLAND COLLISION	GENPT POLYMER FILMS INC	GENPT ENVIRONMENTAL COMPLIANCE SERVICES, INC.	GENPT VA CONNECTICUT HEALTHCARE SYSTEMS- NEWINGTON CAMPUS	GENPT VA CONNECTICUT HEALTHCARE SYSTEMS- NEWINGTON CAMPUS	GENPT UNIVERSITY OF NEW HAVEN, INCORPORATED
<b>Permit ID</b>	GVM001544	GMI000255	GMI000255	GPH000841	GPH000841	GPH000374
<b>Permit El Type</b>	Véhiclé Maintenance Wastewater-GP	Miscellaneous Discharges-GP >5000 GPD	Miscellaneous Discharges-GP >5000 GPD	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP	Photographic Processing Wastewater-GP
<b>App ID</b>	200301378	201105972	201105972	201200272	201200272	201201438
<b>Site Name</b>	NEW ENGLAND COLLISION	POLYMER FILMS, INC.	POLYMER FILMS, INC.	VA CONNECTICUT HEALTHCARE SYSTEM	VA CONNECTICUT HEALTHCARE SYSTEM	UNIVERSITY OF NEW HAVEN
<b>Site Address Line 1</b>	465 DERBY AVE	301 HEFFERNAN DR	301 HEFFERNAN DR	950 CAMPBELL AVE	950 CAMPBELL AVE	300 BOSTON POST RD
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	GENERAL PERMIT FOR THE DISCHARGE OF VEHICLE MAINTENANCE WASTEWATER	Polymer Films, Inc. 301 Heffernan Dr. West Haven, Ct. 06516 - to replace SP0002344.	Polymer Films, Inc. 301 Heffernan Dr. West Haven, Ct. 06516 - to replace SP0002344.			Mailed first letter March 26, 2012.
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	12/9/2003	11/7/2011	11/7/2011	2/1/2012	2/1/2012	6/28/2012
<b>Expire Date</b>	1/23/2021	10/30/2013	10/30/2013	1/31/2022	1/31/2022	6/27/2022
<b>Affiliate Add1</b>	465 DERBY AVE	301 HEFFERNAN DR	33 Business Park Dr	950 CAMPBELL AVE	950 Campbell Ave., MS 138	300 BOSTON POST RD
<b>Affiliate City</b>	WEST HAVEN	WEST HAVEN	Branford	WEST HAVEN	West Haven	WEST HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06516	06516	06405	06516	06516	06516

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	VACHS VETERANS ADMIN. CT. HEALTH CARE	WOODARD & CURRAN INC.	LINE MANUFACTURING, INCORPORATED	MARK EYELET, INC.	TOWN OF WOLCOTT	William Barratt
Permit ID	GWT000320	GWT000320	GCW000012	GTC000118	GSM000033	GVM001382
Permit El Type	Water Treatment Wastewater-GP	Water Treatment Wastewater-GP	Non-Contact Cooling and Heat Pump Wastewater-GP	Tumbling & Cleaning Of Parts Wastewater-GP	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP Part B	Vehiclé Maintenance Wastewater-GP
App ID	201300365	201300365	200203457	200203377	200901957	201000119
Site Name	VA CONNECTICUT HEALTHCARE SYSTEM	VA CONNECTICUT HEALTHCARE SYSTEM	LINE MANUFACTURING, INC.	MARK EYELET INC	WOLCOTT, TOWN OF	WOLCOTT PUBLIC WORKS
Site Address Line 1	950 CAMPBELL AVE	950 CAMPBELL AVE	TOWN LINE ROAD	63 WAKELEE RD	MS4 PERMIT	48 TODD RD
Site City	WEST HAVEN	WEST HAVEN	WOLCOTT	WOLCOTT	WOLCOTT	WOLCOTT
Site Zip	06516	06516	06716	06716	06716	06716
Permit Description			MINOR NON-CONTACT COOLING & HEAT PUMP	MINOR TUMBLING OR CLEANING OF PARTS		Proposed 1,000 Oil/water separator for vehicle wash at 48 Todd Road. Wolcott, Ct.
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/6/2013	2/6/2013	8/28/2002	8/28/2002	6/23/2009	2/24/2010
Expire Date	3/29/2015	3/29/2015	3/29/2015	12/11/2013	1/8/2015	1/23/2021
Affiliate Add1	950 CAMPBELL AVE	1520 HIGHLAND AVE	PO BOX 6505	63 WAKELEE RD	10 KNEA AVE	48 Todd Road
Affiliate City	WEST HAVEN	CHESHIRE	WOLCOTT	WOLCOTT	WOLCOTT	Wolcott
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06516	06410	06716	06716	06716	06716
Program	GENPT	GENPT	GENPT	GENPT	GENPT	GENPT
Client	Wolcott Emergency Medical Service	TOWN OF WOLCOTT	NEW ENGLAND PETROLEUM, L.P.	CHASSE'S AUTO MALL	A & E AUTO SERVICE, INC.	AQUARION WATER COMPANY OF CONNECTICUT
Permit ID	GVM001382	GVM001382	GRG001760	GVM000731	GVM000267	GWT000312
Permit El Type	Vehiclé Maintenance Wastewater-GP	Vehiclé Maintenance Wastewater-GP	Groundwater Remediation Wastewater To A Sanitary Sewer-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Water Treatment Wastewater-GP
App ID	201000119	201000119	201005350	201100744	201101185	201204254
Site Name	WOLCOTT PUBLIC WORKS	WOLCOTT PUBLIC WORKS	MAXUM FUEL	CHASSE'S AUTO MALL	A & E AUTO SERVICE, INC.	AQUARION WATER COMPANY OF CO.
Site Address Line 1	48 TODD RD	48 TODD RD	685 WOLCOTT RD	681 WOLCOTT RD	84 WOLCOTT RD	127 Lyman Rd
Site City	WOLCOTT	WOLCOTT	WOLCOTT	WOLCOTT	WOLCOTT	Wolcott
Site Zip	06716	06716	06716	06716	06716	06716
Permit Description	Proposed 1,000 Oil/water separator for vehicle wash at 48 Todd Road. Wolcott, Ct.	Proposed 1,000 Oil/water separator for vehicle wash at 48 Todd Road. Wolcott, Ct.		Renewal Permit #GVM000731	A & E Auto Service, Inc. Wolcott, Ct. 06716	
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/24/2010	2/24/2010	9/17/2010	2/16/2011	3/8/2011	6/27/2012
Expire Date	1/23/2021	1/23/2021	2/15/2018	1/23/2021	1/23/2021	3/29/2015
Affiliate Add1	Public Works Complex 48 Todd Road	10 KNEA AVE	6 Kimball Ln	681 WOLCOTT RD	84 WOLCOTT RD	714 Black Rock Tpke
Affiliate City	Wolcott	WOLCOTT	Lynnfield	WOLCOTT	WOLCOTT	Easton
Affiliate State	CT	CT	MA	CT	CT	CT
Affiliate Zip	06716	06716	01940	06716	06716	06612

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	GENPT ADVENT PRINTING	GENPT TOWN OF WOODBRIDGE	GENPT HENN POOLS LLC	GENPT TOWN OF WOODBRIDGE	GENPT TOWN OF WOODBRIDGE	GENPT SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY
Client						
Permit ID	GPP000108	GSM000043	GPC000067	GPL000181	GPL000181	GWT000068
Permit El Type	Printing and Publishing Wastewater-GP <40 GPD	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)-GP -Part B	Swimming Pool Wastewater-GP-Contractor	Swimming Pool Wastewater-GP	Swimming Pool Wastewater-GP	Water Treatment Wastewater-GP
App ID	200801464	200901962	200903607	200800960	200800960	201005644
Site Name	ADVENT PRINTING	WOODBRIDGE, TOWN OF	Henn Pools LLC	BEECHER ROAD SCHOOL	BEECHER ROAD SCHOOL	WEST RIVER WATER TREATMENT PLANT
Site Address Line 1	26 SELDEN STREET	MS4 PERMIT	1119 Racebrook Rd	40 BEECHER RD	40 BEECHER RD	2035 LITCHFIELD TPKE
Site City	WOODBRIDGE	WOODBRIDGE	Woodbridge	WOODBRIDGE	WOODBRIDGE	WOODBRIDGE
Site Zip	06525	06525	06525	06525	06525	06525
Permit Description	DISCHARGE OF MINOR PRINTING & PUBLISHING WASTEWATER			SWIMMING POOL WASTEWATER DISCHARGE FROM A PUBLIC POOL-BEECHER SCHOOL-WOODBRIDGE	SWIMMING POOL WASTEWATER DISCHARGE FROM A PUBLIC POOL-BEECHER SCHOOL-WOODBRIDGE	SCCRWA West River Water Treatment Plant Litchfield Tpk. Woodbridge, Ct 06525
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/21/2008	6/23/2009	12/11/2009	4/14/2010	4/14/2010	9/16/2010
Expire Date	2/15/2018	1/8/2015	7/9/2014	7/9/2014	7/9/2014	3/29/2015
Affiliate Add1	26 SELDEN ST	11 MEETINGHOUSE LN	PO BOX 2716	TOWN HALL 11 MEETINGHOUSE LN	TOWN HALL 11 MEETINGHOUSE LN	90 SARGENT DR
Affiliate City	WOODBRIDGE	WOODBRIDGE	DARIEN	WOODBRIDGE	WOODBRIDGE	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06525	06525	06820	06525	06525	06511
Program	GENPT MÖNRO MUFFLER BRAKE, INC.	GENPT CREST LINCOLN MERCURY, INC.	GENPT J. P. MOTORS LLC	GENPT TONY'S TRUCKING CO., INC.	GRND CITY OF MERIDEN	GRND CITY OF MERIDEN
Client						
Permit ID	GVM001055	GVM000582	GVM000705	GVM000988	LF00000017	LF00000017
Permit El Type	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	Vehicle Maintenance Wastewater-GP	PERD	PERD
App ID	201101232	201101856	201103183	201102339		
Site Name	MÖNRO MUFFLER BRAKE	CREST LINCOLN MERCURY INC.	JP MOTORS LLC	TONY'S TRUCKING CO., INC.		
Site Address Line 1	201 AMITY RD	185 AMITY RD	18 LUCY ST	507 MAIN STREET		
Site City	WOODBRIDGE	WOODBRIDGE	WOODBRIDGE	YALESVILLE		
Site Zip	06525	06525	06525	06492		
Permit Description	Monro Muffler Brake #296. 6120 - 201 Amity Rd. Woodbridge, Ct. 06525	185 Amity Rd. Woodbridge, Ct. 06525				
Status	Active	Active	Active	Active	Continued	Continued
Issued Date	3/9/2011	3/24/2011	5/6/2011	4/8/2011	6/20/1983	6/20/1983
Expire Date	1/23/2021	1/23/2021	1/23/2021	1/23/2021	6/20/1988	6/20/1988
Affiliate Add1	200 HOLLEDER PKWY	185 AMITY RD	18 LUCY ST	PO BOX 2714	DEPT OF PUBLIC WORKS 55 MICHAEL DR	LANDFILL DIVISION 55 MICHAEL DR
Affiliate City	ROCHESTER	WOODBRIDGE	WOODBRIDGE	MERIDEN	MERIDEN	MERIDEN
Affiliate State	NY	CT	CT	CT	CT	CT
Affiliate Zip	14615	06525	06525	06450	06450	06450

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	GRND	GRND	GRND	GRND	GRND
Client	CITY OF MERIDEN	CITY OF MERIDEN	BRISTOL CENTER, LLC	GENERAL MOTORS CORPORATION	RIVER COVE ESTATES, LLC
Permit ID	LF0000017	LF0000017	UI0000439	UI0000439	UI0000429
Permit El Type	PERD	PERD	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge
App ID			200601319	200601319	200501278
Site Name			FIRESTONE BUILDING PRODUCTS COMPANY	FIRESTONE BUILDING PRODUCTS COMPANY	RIVER COVE ESTATES
Site Address Line 1			780 JAMES P CASEY RD	780 JAMES P CASEY RD	POPLAR DRIVE
Site City		BRISTOL	BRISTOL	CHESHIRE	
Site ZIP	06010	06010	06410	06410	
Permit Description	MOLASSES WILL BE MIXED INTO A SOLUTION & INJECTED INTO THE GROUNDWATER AS PART OF A CHROMIUM REMEDIATION PROJECT.	MOLASSES WILL BE MIXED INTO A SOLUTION & INJECTED INTO THE GROUNDWATER AS PART OF A CHROMIUM REMEDIATION PROJECT.	DEVELOPMENT OF A 94-UNIT AGE RESTRICTED PLANNED RESIDENTIAL DEVELOPMENT-RIVER COVE ESTATES-POPLAR DR-CHESHIRE		
Status	Continued	Continued	Active	Active	Active
Issued Date	6/20/1983	6/20/1983	9/18/2006	9/18/2006	8/17/2007
Expire Date	6/20/1988	6/20/1988	9/17/2016	9/17/2016	8/16/2017
Affiliate Add1	WATER POLLUTION CONTROL FACILITY EVANSVILLE AVE	55 MICHAEL DR EVANSVILLE AVE	417 5th Ave, 4th Floor C/O Bldg Management	200 CENTERPOINT PKWY PCC CENTRAL MAIL -483-520-190	68A S CANAL ST
Affiliate City	MERIDEN	MERIDEN	NEW YORK	PONTIAC	PLAINVILLE
Affiliate State	CT	CT	NY	MI	CT
Affiliate ZIP	06451	06450	10016	48341	06062
Program	GRND	GRND	GRND	GRND	GRND
Client	WHITNEY CENTER, INCORPORATED	CANAL COMMONS ASSOCIATION, INC.	CANAL COMMONS ASSOCIATION, INC.	YALE UNIVERSITY	YALE UNIVERSITY
Permit ID	UI0000344	UI0000047	UI0000047	UI0000470	UI0000475
Permit El Type	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge
App ID	199902345	200401625	200401625	200801949	200801950
Site Name	WHITNEY CENTER	CANAL COMMONS ASSOCIATION, INC.	CANAL COMMONS ASSOCIATION, INC.	YALE SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES	Yale University Greenberg Conference Center
Site Address Line 1	200 LEEDER HILL DR	2415 SHEPARD AVE	2415 SHEPARD AVE	195 PROSPECT ST	393 PROSPECT ST
Site City	HAMDEN	HAMDEN	HAMDEN	NEW HAVEN	NEW HAVEN
Site ZIP	06517	06518	06518	06511	06511
Permit Description	INDIVIDUAL PERMIT TO DISCHARGE NON- CONTACT COOLING WATER TO GROUNDWATER AT EXISTING ASSISTED- LIVING COMPLEX	DISCHARGE DOMESTIC SEWAGE	DISCHARGE DOMESTIC SEWAGE	OPERATION OF A GEOTHERMAL WELL SYSTEM (YALE SCHOOL OF FORESTRY ENVIRONMENTAL STU 195 PROSPECT ST NEW HAVEN, CT)	OPERATION OF A GEO THERMAL WELL SYSTEM (GREENBERG CONFERENCE CENTER 393 PROSPECT ST NEW HAVEN, CT)
Status	Active	Active	Active	Active	Active
Issued Date	4/14/2004	9/28/2007	9/28/2007	12/10/2008	7/6/2009
Expire Date	4/14/2014	9/27/2017	9/27/2017	12/2/2018	7/5/2019
Affiliate Add1	200 LEEDER HILL DR	2415 SHEPARD AVE	PO BOX 6208 C/O PRIME PROPERTY MANAGEMENT	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	135 College St 1st Floor OFC of Env. Health & Safety
Affiliate City	HAMDEN	HAMDEN	HAMDEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06517	06517	06517	06510	06510

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	GRND	GRND	GRND	GRND	GRND	GRND
<b>Client</b>	J. CUNNINGHAM, INC.	J. CUNNINGHAM, INC.	J. CUNNINGHAM, INC.	J. CUNNINGHAM, INC.	REGIONAL SCHOOL DISTRICT #16	ETHICON ENDO-SURGERY, INC.
<b>Permit ID</b>	UI0000030	UI0000030	UI0000030	UI0000030	UI0000314	UI0000451
<b>Permit El Type</b>	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge
<b>App ID</b>	199701539	199701539	199701539	199701539	200802540	200700558
<b>Site Name</b>	HOLIDAY HILL	HOLIDAY HILL AKA J. CUNNINGHAM	HOLIDAY HILL	HOLIDAY HILL AKA J. CUNNINGHAM	LONG RIVER MIDDLE SCHOOL	ETHICON ENDO-SURGERY, INC
<b>Site Address Line 1</b>	43 CANDEE RD		43 CANDEE RD		38 CENTER ST	201 QUEEN ST
<b>Site City</b>	PROSPECT	PROSPECT	PROSPECT	PROSPECT	PROSPECT	SOUTHBURY
<b>Site Zip</b>	06712	06712	06712	06712	06712	06489
<b>Permit Description</b>	WASTE WATER DISCHARGE AT HOLIDAY HILL	WASTE WATER DISCHARGE AT HOLIDAY HILL	WASTE WATER DISCHARGE AT HOLIDAY HILL	WASTE WATER DISCHARGE AT HOLIDAY HILL	THE SEWAGE DISPOSAL FACILITIES ARE FOR LONG RIVER MIDDLE SCHOOL LOCATED AT 38 CENTER ST	SMITHS MEDICAL-201 WEST QUEEN ST., SOUHTINGTON, CT
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	2/1/1999	2/1/1999	2/1/1999	2/1/1999	5/19/2009	1/14/2008
<b>Expire Date</b>	2/1/2029	2/1/2029	2/1/2029	2/1/2029	5/18/2039	1/13/2018
<b>Affiliate Add1</b>	PO BOX 338 DBA HOLIDAY HILL	PO BOX 338 DBA HOLIDAY HILL	PO BOX 338 DBA HOLIDAY HILL	PO BOX 338 DBA HOLIDAY HILL	207 NEW HAVEN RD	4545 CREEK RD
<b>Affiliate City</b>	CHESTER	CHESTER	CHESTER	CHESTER	PROSPECT	CINCINNATI
<b>Affiliate State</b>	CT	CT	CT	CT	CT	OH
<b>Affiliate Zip</b>	06410	06410	06410	06410	06712	45242
<b>Program</b>	GRND	GRND	GRND	GRND	GRND	MUNINPDES CITY OF BRISTOL
<b>Client</b>	ARCADIS U.S., INC.	TOWN OF WOLCOTT	TOWN OF WOLCOTT	TOWN OF WOLCOTT	TOWN OF WOLCOTT	
<b>Permit ID</b>	UI0000451	UI0000318	UI0000318	UI0000318	UI0000318	CT0100374
<b>Permit El Type</b>	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Groundwater Discharge	Domestic Sewage Treatment Works
<b>App ID</b>	200700558	199801219	199801219	199801219	199801219	200502273
<b>Site Name</b>	ETHICON ENDO-SURGERY, INC	ALCOTT MIDDLE SCHOOL	ALCOTT SCHOOL	ALCOTT MIDDLE SCHOOL	ALCOTT SCHOOL	BRISTOL SEWAGE TREATMENT PLANT
<b>Site Address Line 1</b>	201 QUEEN ST		1490 WOODTICK RD		1490 WOODTICK RD	
<b>Site City</b>	SOUTHBURY	WOLCOTT	WOLCOTT	WOLCOTT	WOLCOTT	BRISTOL
<b>Site Zip</b>	06489	06716	06716	06716	06716	
<b>Permit Description</b>	SMITHS MEDICAL-201 WEST QUEEN ST., SOUHTINGTON, CT	UPGRADING OF THE ON-SITE SEWAGE DISPOSAL SYSTEM FOR ALCOTT MIDDLE SCHOOL	UPGRADING OF THE ON-SITE SEWAGE DISPOSAL SYSTEM FOR ALCOTT MIDDLE SCHOOL	UPGRADING OF THE ON-SITE SEWAGE DISPOSAL SYSTEM FOR ALCOTT MIDDLE SCHOOL	UPGRADING OF THE ON-SITE SEWAGE DISPOSAL SYSTEM FOR ALCOTT MIDDLE SCHOOL	RENEWAL PERMIT #CT0100374-WATER RECLAMATION FACILITY-75 BATTISTO RD., BRISTOL
<b>Status</b>	Active	Continued	Continued	Continued	Continued	Active
<b>Issued Date</b>	1/14/2008	7/26/2000	7/26/2000	7/26/2000	7/26/2000	6/18/2013
<b>Expire Date</b>	1/13/2018	7/26/2010	7/26/2010	7/26/2010	7/26/2010	6/17/2018
<b>Affiliate Add1</b>	6 TERRY DR	BOARD OF EDUCATION 1488 WOODTICK RD	111 N MAIN ST			
<b>Affiliate City</b>	NEWTOWN	WOLCOTT	WOLCOTT	WOLCOTT	WOLCOTT	BRISTOL
<b>Affiliate State</b>	PA	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	18940	06716	06716	06716	06716	06010

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	MUNINPDES TOWN OF CHESHIRE	MUNINPDES CITY OF MERIDEN	MUNINPDES CITY OF NEW HAVEN	MUNINPDES CITY OF NEW HAVEN	MUNINPDES CITY OF NEW HAVEN	MUNINPDES TOWN OF NORTH HAVEN
Client						
Permit ID	CT0100081	CT0100315	CT0100366	CT0100366	CT0100366	CT0100404
Permit El Type	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works
App ID	200900956	201002327	200602542	200602542	200602542	200601396
Site Name	CHESHIRE SEWAGE TREATMENT	MERIDEN WATER POLLUTION CONTROL FACILITY	EAST SHORE WPCF	EAST SHORE WPCF	EAST SHORE WPCF	NORTH HAVEN WPCF
Site Address Line 1	1325 CHESHIRE ST	226 EVANSVILLE AVE	345 E SHORE PKWY	345 E SHORE PKWY	345 E SHORE PKWY	1122 UNIVERSAL DR N
Site City	CHESHIRE	MERIDEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NORTH HAVEN
Site ZIP	06410	06451	06512	06512	06512	06473
Permit Description			RENEWAL PERMIT # CT0100366	RENEWAL PERMIT # CT0100366	RENEWAL PERMIT # CT0100366	DISCHARGE TREATED DOMESTIC SEWAGE
Status	Active	Active	Active	Active	Active	Continued
Issued Date	9/19/2012	4/12/2013	10/1/2010	10/1/2010	10/1/2010	9/20/2006
Expire Date	9/18/2017	4/11/2018	9/30/2015	9/30/2015	9/30/2015	9/19/2011
Affiliate Add1	84 S MAIN ST WATER POLLUTION CONTROL DIVISION	142 E MAIN ST CITY HALL	345 EAST SHORE PKWY C/O CH2M HILL OMI	345 EAST SHORE PKWY C/O CH2M HILL OMI	345 EAST SHORE PKWY C/O CH2M HILL OMI	MEMORIAL TOWN HALL 18 CHURCH ST
Affiliate City	CHESHIRE	MERIDEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NORTH HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06410	06450	06512	06512	06512	06473
Program	MUNINPDES TOWN OF NORTH HAVEN	MUNINPDES TOWN OF PLAINVILLE	MUNINPDES TOWN OF PLAINVILLE	MUNINPDES TOWN OF SOUTHBURG	MUNINPDES TOWN OF WALLINGFORD	MUNINPDES CITY OF WEST HAVEN
Client						
Permit ID	CT0100404	CT0100455	CT0100455	CT0100536	CT0100617	CT0101079
Permit El Type	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works	Domestic Sewage Treatment Works
App ID	200601396	200402840	200402840	200901266	201004044	200600206
Site Name	NORTH HAVEN WPCF	PLAINVILLE SEWAGE TREATMENT	PLAINVILLE WPCF	SOUTHBURG SEWAGE TREATMENT PLANT	WALLINGFORD SEWAGE TREATMENT PLANT	WEST HAVEN WPCF
Site Address Line 1	1122 UNIVERSAL DR N		CRONK ROAD	999 Meriden Waterbury Tpke	155 JOHN ST	2 BEACH ST
Site City	NORTH HAVEN	PLAINVILLE	PLAINVILLE	Plantsville	WALLINGFORD	WEST HAVEN
Site ZIP	06473	06062	06062	06479	06492	06516
Permit Description	DISCHARGE TREATED DOMESTIC SEWAGE	DOMESTIC SEWAGE TREATMENT FACILITIES - SURFACE WATER	DOMESTIC SEWAGE TREATMENT FACILITIES - SURFACE WATER		PERMIT FOR 8.0 M.G.D. DESIGN FLOW MUNICIPAL POTW FACILITY I.D. 148-001 - PERMIT # 100617	DOMESTIC WASTEWATER TREATMENT FACILITY - WEST HAVEN, CT
Status	Continued	Continued	Continued	Active	Active	Continued
Issued Date	9/20/2006	8/31/2005	8/31/2005	3/6/2013	4/25/2013	10/26/2006
Expire Date	9/19/2011	8/31/2010	8/31/2010	3/5/2018	4/24/2018	10/25/2011
Affiliate Add1	MEMORIAL TOWN HALL 18 CHURCH ST	1 CENTRAL SQ	1 CENTRAL SQ	999 Meriden Waterbury Rd.	155 JOHN ST WATER POLLUTION CONTROL DIVISION	355 MAIN ST
Affiliate City	NORTH HAVEN	PLAINVILLE	PLAINVILLE	Plantsville	WALLINGFORD	WEST HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06473	06062	06062	06479	06492	06516

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	NPDES PSEG POWER CONNECTICUT LLC	NPDES PSEG POWER CONNECTICUT LLC	NPDES UNITED ALUMINUM CORPORATION	NPDES PHARMACIA & UPJOHN COMPANY LLC	NPDES TILCON CONNECTICUT INC.	
<b>Permit ID</b>	CT0003760	CT0003760	CT0030201	CT0001341	CT0020656	
<b>Permit El Type</b>	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	
<b>App ID</b>	200301982	200301982	201107001	201205384	200801571	
<b>Site Name</b>	PSEG POWER NEW HAVEN HARBOR STATION	PSEG POWER NEW HAVEN HARBOR STATION	UNITED ALUMINUM CORPORATION	PHARMACIA & UPJOHN COMPANY	TILCON PLAINVILLE QUARRY & PLANT FACILITY	
<b>Site Address Line 1</b>	600 Connecticut Ave	600 Connecticut Ave	100 UNITED DR	41 STILES LN	300 WOODFORD AVE	
<b>Site City</b>	New Haven	New Haven	NORTH HAVEN	NORTH HAVEN	PLAINVILLE	
<b>Site Zip</b>	06512	06512	06473	06473	06062	
<b>Permit Description</b>	FOSSIL-FUELED ELECTRICITY GENERATING STATION	FOSSIL-FUELED ELECTRICITY GENERATING STATION	Non-Contact cooling water discharges permit CT0030201 Renewal.	mod to reduce nitrogen monitoring frequency	INDIVIDUAL PERMIT APPLICATION FOR WASTEWATER DISCHARGES TO SURFACE WATER RELATED TO NON- CONTACT WATER AT TILCON'S PLAINVILLE FACILITY	
<b>Status</b>	Continued	Continued	Active	Active	Active	
<b>Issued Date</b>	1/4/2006	1/4/2006	6/22/2012	8/23/2012	6/8/2010	
<b>Expire Date</b>	1/3/2011	1/3/2011	6/21/2017	1/7/2015	6/7/2015	
<b>Affiliate Add1</b>	1 WATERFRONT ST	1 WATERFRONT ST	100 UNITED DR	100 RTE. 206 NORTH, M/S 611	PO BOX 1357; BLACKROCK AVE	
<b>Affiliate City</b>	NEW HAVEN	NEW HAVEN	NORTH HAVEN	PEAPACK	NEW BRITAIN	
<b>Affiliate State</b>	CT	CT	CT	NJ	CT	
<b>Affiliate Zip</b>	06512	06512	06473	07977	06050	
<b>Program Client</b>	NPDES TILCON CONNECTICUT INC.	NPDES ALLEGHENY LUDLUM LLC	NPDES CITY OF MERIDEN	NPDES NUCOR STEEL CONNECTICUT, INC	NPDES CYTEC INDUSTRIES INC. (ALINES USA INC.)	NPDES ALLNEX USA INC. (CYTEC INDUSTRIES, INC.; ALINES USA INC)
<b>Permit ID</b>	CT0020656	CT0003701	CT0026123	CT0026794	CT0000086	CT0000086
<b>Permit El Type</b>	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge	Surface Water Discharge
<b>App ID</b>	200801571	200502665	200903593	201100525	200203786	200203786
<b>Site Name</b>	TILCON PLAINVILLE QUARRY & PLANT FACILITY	ALLEGHENY LUDLUM CORPORATION	MERIDEN SAWMILL INTERCEPTOR WELL	NUCOR STEEL CONNECTICUT, INC.	528 S CHERRY ST	528 S CHERRY ST
<b>Site Address Line 1</b>	300 WOODFORD AVE	80 VALLEY ST	HANOVER STREET	35 TOELLES RD	528 S CHERRY ST	528 S CHERRY ST
<b>Site City</b>	PLAINVILLE	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site Zip</b>	06062	06492	06492	06492	06492	06492
<b>Permit Description</b>	INDIVIDUAL PERMIT APPLICATION FOR WASTEWATER DISCHARGES TO SURFACE WATER RELATED TO NON- CONTACT WATER AT TILCON'S PLAINVILLE FACILITY	RENEWAL OF NPDES PERMIT #CT0003701	NPDES Permit Renewal Application for Meriden Sawmill Interceptor Well. (Hanover St. Wallingford, Ct.)	Permit Modification #CT0026794	DISCHARGE OF WASTEWATERS FROM ACTIVATED SLUDGE TREATMENT PLANT WHICH RECEIVES WASTEWATER	DISCHARGE OF WASTEWATERS FROM ACTIVATED SLUDGE TREATMENT PLANT WHICH RECEIVES WASTEWATER
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	6/8/2010	6/26/2009	9/3/2010	2/25/2011	5/17/2011	5/17/2011
<b>Expire Date</b>	6/7/2015	6/25/2014	9/2/2015	12/29/2014	5/16/2016	5/16/2016
<b>Affiliate Add1</b>	PO BOX 1357; BLACKROCK AVE	100 RIVER RD	142 E MAIN ST	35 TOELLES RD	PO BOX 425; SOUTH CHERRY ST	528 S Cherry St
<b>Affiliate City</b>	NEW BRITAIN	BRACKENRIDGE	MERIDEN	WALLINGFORD	WALLINGFORD	Wallingford
<b>Affiliate State</b>	CT	PA	CT	CT	CT	CT
<b>Affiliate Zip</b>	06050	15690	06450	06492	06492	06492

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	SEWR	SEWR	SEWR	SEWR	SEWR	SEWR
Client	SARGENT MANUFACTURING COMPANY	SARGENT MANUFACTURING COMPANY	CORBIN RUSSWIN, INC.	COVANTA BRISTOL, INC.	CLEAN HARBORS OF CONNECTICUT, INC.	ARMOLOY OF CONNECTICUT, INC.
Permit ID	SP0000445	SP0000445	SP0000072	SP0000352	SP0000109	SP0002393
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	200301720	200301720	200702299	199703259	200601504	200700603
Site Name			CORBIN RUSSWIN, INC.	BRISTOL RESOURCE RECOVERY FACILITY	Clean Harbors of Connecticut, Inc.	ARMOLOY OF CONNECTICUT, INC.
Site Address Line 1			225 EPISCOPAL RD	170 ENTERPRISE DR	761 MIDDLE ST	151 ENTERPRISE DR
Site City			BERLIN	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06037	INDIVIDUAL WASTEWATER PRETREATMENT	06010	WATER PRODUCTION WASTEWATERS FROM DEMINERALIZER REGENERATION.	06010	06010
Permit Description	PRETREATMENT	PRETREATMENT		TO TREAT WASTEWATER DISCHARGE PERMIT		
Status	Active	Active	Active	Active	Continued	Active
Issued Date	1/24/2011	1/24/2011	4/27/2011	11/19/2004	1/20/2009	4/22/2010
Expire Date	1/23/2016	1/23/2016	4/26/2016	11/19/2014	1/19/2014	4/21/2015
Affiliate Add1	100 SARGENT DR	100 SARGENT DR	225 EPISCOPAL RD	170 ENTERPRISE DR	761 MIDDLE ST	151 ENTERPRISE DR
Affiliate City	NEW HAVEN	NEW HAVEN	BERLIN	BRISTOL	BRISTOL	BRISTOL
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06511	06511	06037	06010	06010	06010
Program	SEWR	SEWR	SEWR	SEWR	SEWR	SEWR
Client	ARMOLOY OF CONNECTICUT, INC.	METAL FINISHING TECHNOLOGIES, LLC.	THEIS PRECISION STEEL CORPORATION	OGS TECHNOLOGIES INC	OGS TECHNOLOGIES INC	ATLANTIC INERTIAL SYSTEMS INC.
Permit ID	SP0002393	SP0001442	SP0002327	SP0002397	SP0002397	SP0000553
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	200700603	201001318	201106754	200702038	200702038	201103025
Site Name	ARMOLOY OF CONNECTICUT, INC.	METAL FINISHING TECHNOLOGIES, INC.	Theis Precision Steel	OGS TECHNOLOGIES, INC.	OGS TECHNOLOGIES, INC.	Atlantic Inertial Systems Inc.
Site Address Line 1	151 ENTERPRISE DR	60 WOOSTER CT	300 BROAD ST	1855 PECK LN	1855 PECK LN	250 KNOTTER DR
Site City	BRISTOL	BRISTOL	BRISTOL	CHESHIRE	CHESHIRE	CHESHIRE
Site ZIP	06010	06010	06010	06410	06410	06410
Permit Description		Wastewater discharge permit renewal application for the discharge of metal finishing wastewaters to the City of Bristol POTW.	Pretreatment Permit Renewal.	RENEWAL OF PRETREATMENT PERMIT	RENEWAL OF PRETREATMENT PERMIT	
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/22/2010	5/29/2012	9/12/2012	3/8/2012	3/8/2012	3/30/2012
Expire Date	4/21/2015	5/28/2017	9/11/2017	3/7/2017	3/7/2017	3/29/2017
Affiliate Add1	151 ENTERPRISE DR	60 Wooster Ct	300 BROAD ST	1855 PECK LN	1855 PECK LN	250 KNOTTER DR
Affiliate City	BRISTOL	FOESTVILLE	BRISTOL	CHESHIRE	CHESHIRE	CHESHIRE
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06010	06010	06010	06411	06411	06410

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	SEWR	SEWR	SEWR	SEWR	SEWR	SEWR
Client	FUJIKIN OF AMERICA, INC.	MICROTECH, INC.	CONSOLIDATED INDUSTRIES ACQUISITION CORPORATION	GIERING METAL FINISHING, INCORPORATED	LEED-HIMMEL INDUSTRIES, INC.	PORCE-LEN, INC
Permit ID	SP0002291	SP0000026	SP0002317	SP0001646	SP0000082	SP0000656
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	201002889	201106374	201001370	200702297	200802128	200400063
Site Name	FUJIKIN OF AMERICA, INC.	MICROTECH, INC.	CONSOLIDATED INDUSTRIES AQUISITION CORP	GIERING METAL FINISHING, INC.	LEED-HIMMEL INDUSTRIES, INC.	PORCE-LEN, INC
Site Address Line 1	604 W JOHNSON AVE	1425 Highland Ave	677 MIXVILLE RD	2655 STATE ST	75 LEEDER HILL DR	129 LEEDER HILL DR
Site City	CHESHIRE	Cheshire	CHESHIRE	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06410	06410	06410	06517	06517	06517
Permit Description			Metal finishing to sewer.	RENEWAL PERMIT #SP0001646	ALUMINUM ANODIZING DISCHARGED TO PROCESS WASTEWATER FROM WPCA, 345 EAST SHORE PARKWAY NEW HAVEN, CT	RENEWAL OF SEWER PERMIT #SP0000656
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/17/2012	8/10/2012	8/7/2013	8/19/2011	2/16/2012	5/29/2012
Expire Date	4/16/2017	8/9/2017	8/6/2018	8/18/2016	2/15/2017	5/28/2017
Affiliate Add1	604 W Johnson Ave	1425 HIGHLAND AVE	677 MIXVILLE RD	2655 STATE ST	75 LEEDER HILL DR	129 Leeder Hill Dr; PO Box
Affiliate City	Cheshire	CHESHIRE	CHESHIRE	HAMDEN	HAMDEN	HAMDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06410	06410	06410	06517	06517	06517
Program	SEWR	SEWR	SEWR	SEWR	SEWR	SEWR
Client	PORCE-LEN, INC	MERIDEN INDUSTRIAL LAUNDRY, INCORPORATED	TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	3M PURIFICATION INC
Permit ID	SP0000656	SP0000886	SP0001028	SP0001028	SP0001028	SP0001347
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	200400063	199702525	200002121	200002121	200002121	200100588
Site Name	PORCE-LEN, INC	MAGNAKLEEN SERVICES, LLC	UNITED OIL RECOVERY, INC.	UNITED OIL RECOVERY, INC.	UNITED OIL RECOVERY, INC.	3M PURIFICATION INC (MERIDEN)
Site Address Line 1	129 LEEDER HILL DR	112 Empire Ave	136 GRACEY AVE	136 GRACEY AVE	136 GRACEY AVE	400 RESEARCH PKWY
Site City	HAMDEN	Meriden	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site ZIP	06517	06450	06451	06451	06451	06450
Permit Description	RENEWAL OF SEWER PERMIT #SP0000656	INDUSTRIAL LAUNDRY PROCESS WATERWATER DISCHARGE TO POTW	HAZARDOUS WASTE TREATMENT FACILITY TO SEWER	HAZARDOUS WASTE TREATMENT FACILITY TO SEWER	HAZARDOUS WASTE TREATMENT FACILITY TO SEWER	
Status	Active	Active	Continued	Continued	Continued	Active
Issued Date	5/29/2012	2/6/2004	2/10/2006	2/10/2006	2/10/2006	11/19/2004
Expire Date	5/28/2017	2/6/2014	2/9/2011	2/9/2011	2/9/2011	11/19/2014
Affiliate Add1	129 LEEDER HILL DR	112 EMPIRE AVE; PO BOX 923	136 GRACEY AVE	136 GRACEY AVE	14 W MAIN ST	400 RESEARCH PKWY
Affiliate City	HAMDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06517	06450	06450	06451	06451	06450

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	SEWR APLICARE, INC.	SEWR THE MILLER COMPANY	SEWR THE MILLER COMPANY	SEWR A G C INCORPORATED	SEWR A G C INCORPORATED	SEWR TWEED NEW HAVEN REGIONAL AIRPORT AUTHORITY
Client						
Permit ID	SP0002416	SP0002016	SP0002016	SP0000120	SP0000120	SP0002421
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	201006215	200203759	200203759	200802288	200802288	200601712
Site Name	APLICARE, INC.	THE MILLER COMPANY	THE MILLER COMPANY	A G C, INCORPORATED	A G C, INCORPORATED	TWEED-NEW HAVEN REGIONAL AIRPORT
Site Address Line 1	500 RESEARCH PKWY	275 PRATT ST	275 PRATT ST	106 Evansville Ave	106 Evansville Ave	155 BURR ST
Site City	MERIDEN	MERIDEN	MERIDEN	Meriden	Meriden	NEW HAVEN
Site ZIP	06450	06450	06450	06451	06451	06512
Permit Description	Wastewater discharge from production of povidone iodine based medical products.	WASTEWATER DISCHARGE PERMIT	WASTEWATER DISCHARGE PERMIT	MFG, COMMERCIAL, MINING, OR SILVICULTURAL ACTIVITIES	MFG, COMMERCIAL, MINING, OR SILVICULTURAL ACTIVITIES	DISCHARGE OF WASTEWATER FROM AIRCRAFT DEICING OPERATIONS AT TWEED-NEW HAVEN REGIONAL AIRPORT, NEW HAVEN, CT
Status	Active	Active	Active	Active	Active	Active
Issued Date	11/2/2011	2/17/2012	2/17/2012	6/25/2012	6/25/2012	3/25/2008
Expire Date	11/1/2016	2/16/2017	2/16/2017	6/24/2017	6/24/2017	3/24/2018
Affiliate Add1	550 RESEARCH PKWY	290 PRATT ST	290 PRATT ST	106 EVANSVILLE AVE	106 EVANSVILLE AVE	155 BURR ST ADMINISTRATIVE BUILDING
Affiliate City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06450	06450	06450	06451	06451	06512
Program	SEWR TWEED NEW HAVEN REGIONAL AIRPORT AUTHORITY	SEWR YALE UNIVERSITY	SEWR YALE UNIVERSITY	SEWR YALE UNIVERSITY	SEWR YALE UNIVERSITY	SEWR NEW ENGLAND LINEN SUPPLY
Client						
Permit ID	SP0002421	SP0002374	SP0002374	SP0002398	SP0002398	SP0002412
Permit El Type	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
App ID	200601712	200702393	200702393	200702394	200702394	200402824
Site Name	TWEED-NEW HAVEN REGIONAL AIRPORT	YALE UNIVERSITY (CENTRAL POWER PLANT)	YALE UNIVERSITY (CENTRAL POWER PLANT)	STERLING POWER PLANT	STERLING POWER PLANT	NEW ENGLAND LINEN SUPPLY
Site Address Line 1	155 BURR ST	120 Tower Pkwy	120 Tower Pkwy	309 Congress Ave	309 Congress Ave	149 Derby Ave
Site City	NEW HAVEN	New Haven	New Haven	New Haven	New Haven	New Haven
Site ZIP	06512	06511	06511	06519	06519	06511
Permit Description	DISCHARGE OF WASTEWATER FROM AIRCRAFT DEICING OPERATIONS AT TWEED-NEW HAVEN REGIONAL AIRPORT, NEW HAVEN, CT			PERMIT mod Sterling Power plant	PERMIT mod Sterling Power plant	LAUNDRY WASHWATER TO POTW
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/25/2008	5/6/2010	5/6/2010	2/25/2010	2/25/2010	9/28/2011
Expire Date	3/24/2018	5/19/2014	5/19/2014	5/19/2014	5/19/2014	9/27/2016
Affiliate Add1	155 BURR ST ADMINISTRATIVE BUILDING	Facs. Ops./Utils. 155 Burr St. Admin. Building	135 COLLEGE ST OFFICE OF ENV. HEALTH & SAFETY	Facs. Ops./Utils. 2 Whitney Ave PO Box 208297	OFFICE OF ENV. HEALTH & SAFETY	149 DERBY AVE
Affiliate City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06512	06520	06510	06520	06510	06511

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	SEWR NEW ENGLAND LINEN SUPPLY	SEWR UNITED STATES SURGICAL, DIVISION OF TYCO HEALTHCARE GROUP LIMITED PARTNERSHIP	SEWR O. F. MOSSBERG & SONS, INCORPORATED	SEWR O. F. MOSSBERG & SONS, INCORPORATED	SEWR CONNECTICUT TOOL & MANUFACTURING COMPANY, LLC	SEWR ALPHA PLATING AND FINISHING CO.
<b>Permit ID</b>	SP0002412	SP0002026	SP0000372	SP0000372	SP0002413	SP0002417
<b>Permit El Type</b>	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
<b>App ID</b>	200402824	200303398	200402714	200402714	201001519	201001970
<b>Site Name</b>	NEW ENGLAND LINEN SUPPLY	United States Surgical, Division of Tyco Healthcare Group	O. F. MOSSBERG & SONS, INCORPORATED	O. F. MOSSBERG & SONS, INCORPORATED	CONNECTICUT TOOL & MANUFACTURING COMPANY, LLC	ALPHA PLATING AND FINISHING CO.
<b>Site Address Line 1</b>	149 Derby Ave	195 McDermott Rd	7 Grasso Ave	7 Grasso Ave	35 Corporate Ave	169 W Main St
<b>Site City</b>	New Haven	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	PLAINVILLE	PLAINVILLE
<b>Site Zip</b>	06511	06473	06473	06473	06062	06062
<b>Permit Description</b>	LAUNDRY WASHWATER TO POTW	TO RENEW AN EXISTING INDUSTRIAL WASTEWATER PRE-TREATMENT PLANT	RENEWAL OF WASTEWATER PERMIT / SP372	RENEWAL OF WASTEWATER PERMIT / SP372		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/28/2011	10/22/2010	4/13/2011	4/13/2011	10/25/2011	2/1/2012
<b>Expire Date</b>	9/27/2016	10/21/2015	4/12/2016	4/12/2016	10/24/2016	1/31/2017
<b>Affiliate Add1</b>	149 DERBY AVE	195 McDermott Rd	7 Grasso Ave	7 Grasso Ave	34 CORPORATE AVE	169 W MAIN ST; PO BOX 89
<b>Affiliate City</b>	NEW HAVEN	NORTH HAVEN	North Haven	NORTH HAVEN	PLAINVILLE	PLAINVILLE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	06511	06473	06473	06473	06062	06062
<b>Program Client</b>	SEWR PLAINVILLE PLATING COMPANY, INC.	SEWR LIGHT METALS COLORING COMPANY, INC.	SEWR QUEST DIAGNOSTICS INC.	SEWR QUEST DIAGNOSTICS LLC	SEWR BRISTOL-MYERS SQUIBB COMPANY	SEWR DISTRIBUTED ENERGY SYSTEMS CORP.
<b>Permit ID</b>	SP0002385	SP0001197	SP0002191	SP0002191	SP0000028	SP0002389
<b>Permit El Type</b>	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
<b>App ID</b>	201205979	201204387	200800665	200800665	200902507	200700891
<b>Site Name</b>	PLAINVILLE PLATING COMPANY	LIGHT METALS COLORING COMPANY, INCORPORATED	QUEST DIAGNOSTICS, INC.	QUEST DIAGNOSTICS, INC.	BRISTOL-MYERS SQUIBB	PROTON ENERGY SYSTEMS, INC.
<b>Site Address Line 1</b>	21 FORESTVILLE AVE	270 SPRING ST	3 STERLING DR	3 STERLING DR	5 RESEARCH PKWY	10 TECHNOLOGY DRIVE
<b>Site City</b>	PLAINVILLE	SOUTHBURG	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site Zip</b>	06062	06489	06492	06492	06492	06492
<b>Permit Description</b>	metal finishing to sewer	Permit Renewal #SP0001197	CONTINUE A WASTEWATER DISCHARGE FROM MEDICAL LABORATORY OPERATIONS	CONTINUE A WASTEWATER DISCHARGE FROM MEDICAL LABORATORY OPERATIONS	PERMIT FOR PHARMACEUTICAL RESEARCH OPERATIONS	RENEWAL OF EXISTING PERMIT ID SP0002389 TO CONTINUE TO OPERATE A MANUFACTURING PLANT (WALLINGFORD, CT)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	8/6/2013	4/25/2013	7/24/2009	7/24/2009	12/28/2010	6/3/2011
<b>Expire Date</b>	8/5/2018	4/24/2018	7/23/2019	7/23/2019	12/27/2015	6/2/2016
<b>Affiliate Add1</b>	21 FORESTVILLE AVE	270 SPRING ST	3 STERLING DR	3 STERLING DR	5 RESEARCH PKWY; PO BOX 5100	10 TECHNOLOGY DR
<b>Affiliate City</b>	PLAINVILLE	SOUTHBURG	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	06062	06489	06492	06492	06492	06492

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	SEWR PROTON ENERGY SYSTEMS, INC	SEWR TECH CIRCUIT, INC.	SEWR WHITE WAY LAUNDRY, INC	SEWR SYLVAN R. SHEMITZ DESIGNS, INC.	SEWR ENTHÔNE INC.	SEWR ENTHÔNE INC.
<b>Permit ID</b>	SP0002389	SP0001142	SP0002332	SP0002179	SP0001123	SP0001123
<b>Permit El Type</b>	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge	Sewer Discharge
<b>App ID</b>	200700891	201104721	201104756	200401808	200001477	200001477
<b>Site Name</b>	PROTON ENERGY SYSTEMS, INC.	TECH CIRCUITS, INC.	WHITE WAY LAUNDRY, INC.	THE LIGHTING QUOTIENT	ENTHÔNE, INC.	ENTHÔNE, INC.
<b>Site Address Line 1</b>	10 TECHNOLOGY DRIVE	340 QUINNIPAC ST	271 HALL AVE	114 BOSTON POST RD	350 FRONTAGE RD	350 FRONTAGE RD
<b>Site City Site ZIP</b>	WALLINGFORD 06492	WALLINGFORD 06492	WALLINGFORD 06492	WEST HAVEN 06516 MANUFACTURING, COMMERCIAL, MINING, OR SILVICULTURAL ACTIVITIES (PROCESS WASTEWATER)	WEST HAVEN 06516 RENEWAL SEWER PERMIT	WEST HAVEN 06516 RENEWAL SEWER PERMIT
<b>Permit Description</b>	RENEWAL OF EXISTING PERMIT ID SP0002389 TO CONTINUE TO OPERATE A MANUFACTURING PLANT (WALLINGFORD, CT)	Jared Scata working on the application.				
<b>Status Issued Date</b>	Active 6/3/2011	Active 8/29/2011	Active 2/29/2012	Continued 9/28/2007	Continued 8/28/2008	Continued 8/28/2008
<b>Expire Date</b>	6/2/2016	4/26/2016	4/28/2017	9/27/2012	8/27/2013	8/27/2013
<b>Affiliate Add1</b>	10 TECHNOLOGY DR 340 QUINNIPAC ST	SILVERSMITH PARK 271 HALL AVE	114 BOSTON POST RD	PO BOX 1900	350 FRONTAGE RD	
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WEST HAVEN	NEW HAVEN	WEST HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06492	06492	06492	06516	06508	06516
<b>Program Client</b>	SEWR SEABOARD METAL FINISHING CO., INC.	SEWR MATTATUCK INDUSTRIAL SCRAP METAL, INC.	SEWR CONNECTICUT HYPODERMICS, INCORPORATED	STORM PSEG POWER CONNECTICUT LLC	STORM TRITON ENVIRONMENTAL, INC.	
<b>Permit ID</b>	SP0000127	SP0002324	SP0001913	GSN002184	GSI000870	
<b>Permit El Type</b>	Sewer Discharge	Sewer Discharge	Sewer Discharge	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	
<b>App ID</b>	201003863	200900782	201000161	201101489	201104830	
<b>Site Name</b>	SEABOARD METAL FINISHING COMPANY	MATTATUCK INDUSTRIAL SCRAP METAL, INC.	CONNECTICUT HYPODERMICS, INC.			
<b>Site Address Line 1</b>	50 FRESH MEADOW RD	28 TOWN LINE RD	519 MAIN ST			
<b>Site City Site ZIP</b>	WEST HAVEN 06516	WOLCOTT 06716	YALESVILLE 06492			
<b>Permit Description</b>	SP0000127	Sewer Permits Application I DISCHARGE FROM INDUSTRIAL SCRAP METAL FACILITY	DISCHARGE OF METAL CLEANING & PASSIVATING RINSE WATER TO POTW.	Construction of three (3) General Electric (GE) LM-600 combustion turbines and associated auxiliary equipment at the north end of PSEG's New Haven Harbor Station (NHHS)	100 waterfront st new haven	
<b>Status Issued Date</b>	Active 3/22/2013	Active 3/1/2013	Active 6/29/2011	Active 3/24/2011	Active 10/1/2011	
<b>Expire Date</b>	3/21/2018	2/28/2018	6/28/2016	2/1/2014	9/30/2016	
<b>Affiliate Add1</b>	50 FRESH MEADOW RD	28 TOWN LINE RD	519 MAIN ST	1 Waterfront St AKA 5 Waterfront St	63 TRUMBULL ST	
<b>Affiliate City</b>	WEST HAVEN	WOLCOTT	YALESVILLE	New Haven	NEW HAVEN	
<b>Affiliate State</b>	CT	CT	CT	CT	CT	
<b>Affiliate ZIP</b>	06516	06716	06492	06512	06510	

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM NEW HAVEN TERMINAL, INCORPORATED	STORM Diversified Technology Consultants, Inc.	STORM SYLVAN R. SHEMITZ DESIGNS, INC.	STORM WATERFRONT ENTERPRISES, INC.	STORM UNITED INTERNATIONAL CORPORATION	STORM Diversified Technology Consultants, Inc.
<b>Permit ID</b>	GSI0000870	GSI000076	GSE000032	GSI000656	GSI001101	GSI000001
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities - GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201104830	201104076	201104088	201105029	201204868	201104026
<b>Site Name</b>				CITY OF ANSONIA DPW	ASHFORD SALT STORAGE	
<b>Site Address Line 1</b>				N DIVISION ST	ROUTE 89	
<b>Site City</b>				ANSONIA	ASHFORD	
<b>Site Zip</b>				06401	06278	
<b>Permit Description</b>	100 waterfront st new haven		Renewal Permit #GSI000656, 77 Wheeler St., New Haven	Permit Renewal #GSI001101-Public Works Complex		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	9/4/2012	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	100 WATERFRONT ST; PO BOX 9423	2321 Whitney Ave	114 BOSTON POST RD	400 WATERFRONT STREET	35 Thrope Avenue Suite 102	2321 Whitney Ave
<b>Affiliate City</b>	NEW HAVEN	HAMDEN	WEST HAVEN	NEW HAVEN	Wallingford	Hamden
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06512	06518	06516	06512	06401	06518
<b>Program Client</b>	STORM LATICRETE INTERNATIONAL, INC.	STORM NAFIS' & YOUNG ENGINEERS, INC.	STORM TOWN OF BETHANY	STORM NOVA DEVELOPERS	STORM CITY OF BRISTOL	STORM WITCHES ROCK DEVELOPERS, LLC
<b>Permit ID</b>	GSI001188	GSI002508	GSI002508	GSI001867	GSI001870	GSI001893
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- >10 Acres
<b>App ID</b>	201105197	201105934	201105934	200602524	200801918	200801996
<b>Site Name</b>	LATICRETE INTERNATIONAL, INC.	Bethany Transfer Station	Bethany Transfer Station	ORCHARD HILL	REALIGNMENT EAST RD, UNION ST @ RT69	CEDAR HILL
<b>Site Address Line 1</b>	91 AMITY RD	755 AMITY RD	755 AMITY RD	MATTHEWS STREET	INTERSECTION EAST RD, UNION ST & RT69	LOT 10 WITCHES ROCK ROAD
<b>Site City</b>	BETHANY	BETHANY	BETHANY	BRISTOL	BRISTOL	BRISTOL
<b>Site Zip</b>	06524	06524	06524	06010	06010	06010
<b>Permit Description</b>		Bethany Public Works Dept. 755 Amity Rd. Bethany, CT 06524	Bethany Public Works Dept. 755 Amity Rd. Bethany, CT 06524	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	7/22/2008	7/23/2008	9/8/2008
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	2/1/2014	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	1 LATICRETE PARK N	1355 MIDDLETON AVE	40 Peck Rd	84 PONDVIEW LN	111 N MAIN ST	39 HIGH RIDGE RUN
<b>Affiliate City</b>	BETHANY	NORTHFORD	Bethany	BRISTOL	BRISTOL	BRISTOL
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06524	06472	06524	06010	06010	06010

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM HOME DEPOT U. S. A., INC.	STORM HOME DEPOT U. S. A., INC.	STORM HOME DEPOT U. S. A., INC.	STORM WAL-MART STORES EAST, LP	STORM LEMLE BRISTOL, LLC	STORM STEPHEN PONTIAC CADILLAC INC.
Client	GSC000337	GSC000337	GSC000337	GSC000292	GSC000297	GSC000137
Permit ID	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity - Stormwater
Permit El Type						
App ID	200502072	200502072	200502072	200903194	200903247	200903505
Site Name	Home Dépot Store #6229	Home Dépot Store #6229	Home Dépot Store #6229	WAL-MART STORE #2719	BRISTOL FARMS PLAZA	STEPHEN PONTIAC CADILLAC, INC.
Site Address Line 1	1149 Farmington Avenue	1149 Farmington Avenue	1149 Farmington Avenue	1400 FARMINGTON AVE	1235 FARMINGTON AVENUE	1097 FARMINGTON AVE
Site City	Bristol	Bristol	Bristol	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010	06010
Permit Description	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES - HOME DEPOT STORE #6229-1149 FARMINGTON AVE., BRISTOL, CT	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES - HOME DEPOT STORE #6229-1149 FARMINGTON AVE., BRISTOL, CT	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES - HOME DEPOT STORE #6229-1149 FARMINGTON AVE., BRISTOL, CT	LOCATION: WAL-MART STORE #2719/ 1400 FARMINGTON AVENUE, BRISTOL, CT	Bristol Farms Plaza 1235 Farmington Ave, Bristol, Ct	
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/12/2009	8/12/2009	8/12/2009	9/3/2009	9/8/2009	10/16/2009
Expire Date	4/30/2014	4/30/2014	4/30/2014	4/30/2014	4/30/2014	4/30/2014
Affiliate Add1	2455 FERRY PACES RD, NW	2455 FERRY PACES RD, NW	1149 FARMINGTON AVE HOME DEPOT STORE #6229	702 SW 8TH	6 TORY LN	1097 FARMINGTON AVE
Affiliate City	ATLANTA	ATLANTA	BRISTOL	BENTONVILLE	SCARSDALE	BRISTOL
Affiliate State	GA	GA	CT	AR	NY	CT
Affiliate ZIP	30339	30339	06010	72716	10583	06010
Program	STORM WE 383 Middle St, LLC / C/O Winstanley Prop. Mgmt.	STORM CITY OF BRISTOL	STORM MASTROBATTISTO, INC.	STORM COVANTA BRISTOL, INC.	STORM CITY OF BRISTOL	STORM ARMOLY OF CONNECTICUT, INC.
Client						
Permit ID	GSC000373	GSN002130	GSN002175	GSI001759	GSI002366	GSI000273
Permit El Type	Commercial Activity - Stormwater	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201000354	201003550	201100437	201105421	201104528	201103119
Site Name	THE SUPERIOR BUSINESS CENTET	WEST BRISTOL K-8	GREEN HILLS SCHOOL	BRISTOL RESOURCE RECOVERY FACILITY	BRISTOL SALT STORAGE DOME	ARMOLY OF CONNECTICUT, INC.
Site Address Line 1	383 MIDDLE ST	SE CORNER OF MATTHEWS STREET, CLARK AVENUE INTERSECTION	718 PINÉ ST	170 ENTERPRISE DR	160 JAMES P CASEY ROAD	151 ENTERPRISE DR
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010	06010
Permit Description		Construction of new K-8 elementary school along with associate parking and ballfield.	Forestville K-8 school construction -Bristol, Ct.	Renewal Permit #GSI001759	Bristol Salt Storage Dome - 160 James P Casey Rd. Bristol, Ct. 06010	Permit Renewal #GSI000273
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/2/2010	8/13/2010	3/4/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	4/30/2014	2/1/2014	2/1/2014	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	150 BAKER AVE., EXTENSION SUITE 303	CITY HALL 111 N MAIN ST	154 Burlington Ave	170 ENTERPRISE DR	CITY HALL 111 N MAIN ST	151 ENTERPRISE DR
Affiliate City	CONCORD	BRISTOL	Bristol	BRISTOL	BRISTOL	BRISTOL
Affiliate State	MA	CT	CT	CT	CT	CT
Affiliate ZIP	01792	06010	06010	06010	06010	06010

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM CITY OF BRISTOL	STORM CITY OF BRISTOL	STORM CITY OF BRISTOL	STORM FIRST STUDENT, INC	STORM CLEAN HARBORS OF CONNECTICUT, INC.	STORM A & D COMPONENTS, INC
Client						
Permit ID	GSI000098	GSI000361	GSI001907	GSI000905	GSI000726	GSE000125
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification
App ID	201104531	201104533	201104534	201103644	201105474	201104612
Site Name	BRISTOL PUBLIC WORKS GARAGE	BRISTOL BULKY LANDFILL & TRANSFER STATION	BRISTOL WATER POLLUTION CONTROL FACILITY	First Student, Inc. #11930	Clean Harbors of Connecticut, Inc.	INDUSTRIAL COMPONENTS DIVISION
Site Address Line 1	95 VINCENT P KELLY RD	685 LAKE AVE	75 BATTISTA RD	256 TERRYVILLE RD	761 MIDDLE ST	33 STAFFORD AVE
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site ZIP	06010	06010	06010	06010	06010	06010
Permit Description	Bristol Public Works Garage - 95 Vincent P. Kelly Road Bristol, Ct. 06010				Permit Renewal #GSI000726	
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	CITY HALL 111 N MAIN ST	CITY HALL 111 N MAIN ST	CITY HALL 111 N MAIN ST	CITY HALL 111 N MAIN 600 VINE ST	761 MIDDLE ST	33 STAFFORD AVE
Affiliate City	BRISTOL	BRISTOL	BRISTOL	CINCINNATI	BRISTOL	BRISTOL
Affiliate State	CT	CT	CT	OH	CT	CT
Affiliate ZIP	06010	06010	06010	45202	06010	06010
Program	STORM MORIN CORPORATION	STORM THEIS PRECISION STEEL CORPORATION	STORM ROWLEY SPRING & STAMPING CORPORATION	STORM Korth Engineering LLC	STORM TOM'S USED AUTO PARTS LLC	STORM Korth Engineering LLC
Client						
Permit ID	GSI000682	GSI000980	GSE000051	GSI001783	GSI001783	GSI002284
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105086	201103904	201103913	201104718	201104718	201104738
Site Name	MORIN CORPORATION	Theis Precision Steel	ROWLEY SPRING & STAMPING CORPORATION	TOM'S USED AUTO PARTS, LLC	TOM'S USED AUTO PARTS, LLC	ROSS AUTO PARTS
Site Address Line 1	685 MIDDLE ST	300 BROAD ST	210 REDSTONE HILL RD	578 TERRYVILLE RD	578 TERRYVILLE RD	470 Terryville Rd
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	Bristol
Site ZIP	06010	06010	06010	06010	06010	06010 po box 255, pequabuck
Permit Description	685 MIDDLE ST	300 BROAD ST	210 REDSTONE HILL RD	12 Lewis Rd	578 TERRYVILLE RD	12 Lewis Rd
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	685 MIDDLE ST	300 BROAD ST	210 REDSTONE HILL RD	12 Lewis Rd	578 TERRYVILLE RD	12 Lewis Rd
Affiliate City	BRISTOL	BRISTOL	BRISTOL	Marlborough	BRISTOL	Marlborough
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06010	06010	06010	06447	06010	06447

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM Ross Auto Parts	STORM R & R CORRUGATED PACKAGING CORP.	STORM METAL FINISHING TECHNOLOGIES, LLC.	STORM Tanya Schnelzer	STORM FIRESTONE BUILDING PRODUCTS COMPANY, LLC	STORM FUSS & O'NEILL, INC.
Client						
Permit ID	GSI002284	GSI002234	GSI000301	GSI001234	GSI001234	GSI002478
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104738	201104116	201105265	201104145	201104145	201106852
Site Name	ROSS AUTO PARTS	R & R CORRUGATED PACKAGING GROUP	METAL FINISHING TECHNOLOGIES, INC.	FIRESTONE BUILDING PRODUCTS COMPANY	FIRESTONE BUILDING PRODUCTS COMPANY	LIBERTY RECYCLING, LLC
Site Address Line 1	470 Terryville Rd	360 MINOR RD	60 WOOSTER CT	780 JAMES P CASEY RD	780 JAMES P CASEY RD	541 BROAD ST
Site City	Bristol	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site Zip	06010	06010	06010	06010	06010	06010
Permit Description	po box 255, pequabuck		GSI000301			541 Broad St., Bristol
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	1/12/2012
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	PO Box 255	360 MINOR ST	60 Wooster Ct	250 W 96th St	780 JAMES P CASEY RD	146 HARTFORD RD
Affiliate City	Pequabuck	BRISTOL	FOESTVILLE	Indianapolis	BRISTOL	MANCHESTER
Affiliate State	CT	CT	CT	IN	CT	CT
Affiliate ZIP	06781	06010	06010	46260	06010	06040
Program	STORM LIBERTY RECYCLING LLC	STORM FUSS & O'NEILL, INC.	STORM Transformer Decommissioning Northeast, LLC	STORM THE ASSOCIATED CONSTRUCTION COMPANY	STORM BVH Intergrated Services	STORM PEPIN STEEL & IRON WORKS
Client						
Permit ID	GSI002478	GSI002500	GSI002500	GSI002342	GSI002342	GSI001296
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP
App ID	201106852	201200487	201200487	201205366	201205366	201205716
Site Name	LIBERTY RECYCLING, LLC	YARDE METALS	YARDE METALS	ESPN, INC.	ESPN, INC.	PEPIN STEEL & IRON WORKS LLC
Site Address Line 1	541 BROAD ST	71 HORIZON DR	71 HORIZON DR	935 MIDDLE ST	935 MIDDLE ST	47 OLD WATERBURY RD
Site City	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL	BRISTOL
Site Zip	06010	06010	06010	06010	06010	06010
Permit Description	541 Broad St., Bristol	Scrap and Waste Materials	Scrap and Waste Materials	Construction of a new Emergency Generator Building, ESPN Plaza, Bristol	Construction of a new Emergency Generator Building, ESPN Plaza, Bristol	
Status	Active	Active	Active	Active	Active	Active
Issued Date	1/12/2012	5/6/2012	5/6/2012	7/5/2012	7/5/2012	9/25/2012
Expire Date	9/30/2016	9/30/2016	9/30/2016	2/1/2014	2/1/2014	9/30/2016
Affiliate Add1	541 BRD ST	146 HARTFORD RD	9820 Westpoint Dr Suite 300	1010 Wethersfield Ave Suite 304	50 Griffin Rd S	47 OLD WATERBURY RD
Affiliate City	BRISTOL	MANCHESTER	Indianapolis	Hartford	Bloomfield	BRISTOL
Affiliate State	CT	CT	IN	CT	CT	CT
Affiliate ZIP	06010	06040	46256	06114	06002	06010

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM ASSOCIATED SPRING CORPORATION	STORM ATLANTIC STAR TRAILERS	STORM BOZZUTO'S INC.	STORM THE STOP & SHOP SUPERMARKET COMPANY LLC	STORM CHESHIRE ACADEMY	STORM BRÓDACH RICHMOND HILLS LLC
<b>Permit ID</b>	GSI002549	GSC000216	GSC000050	GSC000217	GSN002121	GSN002181
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- >10 Acres
<b>App ID</b>	201206822	200903152	200903289	200903359	201004586	201100562
<b>Site Name</b>	ASSOCIATED SPRING CORPORATION	ATLANTIC STAR TRAILERS	BOZZUTO'S, INC.	STOP & SHOP STORE #695	CHESHIRE ACADEMY	RICHMOND GLEN
<b>Site Address Line 1</b>	18 MAIN ST	405 INDUSTRIAL AVE	275 SCHOOLHOUSE RD	275 Highland Ave	10 MAIN ST	210 Wiese Rd
<b>Site City</b>	BRISTOL	CHESTER	CHESTER	Cheshire	CHESTER	Chester
<b>Site ZIP</b>	06010	06410	06410	06410	06410	06410
<b>Permit Description</b>				LOCATION: STORE# 695 @ 275 HIGHLAND AVE., CHESTER, CT 06410	CHESTER ACADEMY SYNTHETIC FIELD & TRACK	41 age restricted residential units, associated driveways and parking and a stormwater management systems-Richmond Glen-210 Wise Rd., Chester
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	2/7/2013	9/2/2009	9/21/2009	9/22/2009	7/19/2010	3/15/2011
<b>Expire Date</b>	9/30/2016	4/30/2014	4/30/2014	4/30/2014	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	18 MAIN ST	405 INDUSTRIAL AVE	275 SCHOOLHOUSE RD	1385 HANCOCK ST	10 MAIN ST	202 HIGHLAND AVE
<b>Affiliate City</b>	BRISTOL	CHESTER	CHESTER	QUINCY	CHESTER	CHESTER
<b>Affiliate State</b>	CT	CT	CT	MA	CT	CT
<b>Affiliate ZIP</b>	06010	06410	06410	02169	06410	06410
<b>Program Client</b>	STORM GZA GEOENVIRONMENTAL, INC.	STORM TOWN OF CHERISHIRE	STORM BLUE RIVER ENGINEERING LLC	STORM CONSOLIDATED INDUSTRIES ACQUISITION CORPORATION	STORM QTG-Tropicana	STORM DATTCO, INC.
<b>Permit ID</b>	GSI002442	GSI002442	GSI001401	GSI001401	GSI002304	GSI002419
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105658	201105658	201105639	201105639	201105835	201105565
<b>Site Name</b>	DATTCO CHERISHIRE	DATTCO CHERISHIRE	CONSOLIDATED INDUSTRIES AQUISITION CORP	CONSOLIDATED INDUSTRIES AQUISITION CORP	615 W Johnson Ave	DATTCO CHERISHIRE
<b>Site Address Line 1</b>	157 SANDBANK RD	157 SANDBANK RD	677 MIXVILLE RD	677 MIXVILLE RD	615 W Johnson Ave	157 SANDBANK RD
<b>Site City</b>	CHESTER	CHESTER	CHESTER	CHESTER	Cheshire	CHESTER
<b>Site ZIP</b>	06410	06410	06410	06410	06410	06410
<b>Permit Description</b>	157 Sandbank Road Cheshire, CT 06410	157 Sandbank Road Cheshire, CT 06410	GSI001401	GSI001401	Renewal Permit #GSI002304, CDS-D-Cheshire, 615 W Johnson Ave., Cheshire	Location: 157 Sandbank Road, Cheshire, Ct
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	655 Winding Brook Dr Suite 402	29 MAIN ST	PO Box 291	677 MIXVILLE RD	2914 Juniper Dr	583 SOUTH ST
<b>Affiliate City</b>	Glastonbury	CHESTER	East Hampton	CHESTER	Burlington	NEW BRITAIN
<b>Affiliate State</b>	CT	CT	CT	CT	NC	CT
<b>Affiliate ZIP</b>	06033	06410	06424	06410	27215	06051

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM BLUE RIVER ENGINEERING LLC	STORM TOWN OF CHESHIRE	STORM BLUE RIVER ENGINEERING LLC	STORM TOWN OF CHESHIRE	STORM MICHAEL D ZALIZNOCK	STORM ERICKSON METALS CORPORATION
<b>Permit ID</b>	GSI001174	GSI001174	GSI001742	GSI001742	GSI002409	GSI002409
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105665	201105665	201105938	201105938	201106059	201106059
<b>Site Name</b>	CHESHIRE TRANSFER STATION	CHESHIRE TRANSFER STATION	CHESHIRE SEWAGE TREATMENT	CHESHIRE SEWAGE TREATMENT	ERICKSON METALS CORPORATION	ERICKSON METALS CORPORATION
<b>Site Address Line 1</b>	1286 WATERBURY RD	1286 WATERBURY RD	1325 CHESHIRE ST	1325 CHESHIRE ST	25 KNOTTER DR	25 KNOTTER DR
<b>Site City Site ZIP</b>	CHESHIRE 06410 1286 Waterbury Rd., Cheshire, Ct 06410	CHESHIRE 06410 1286 Waterbury Rd., Cheshire, Ct 06410	CHESHIRE 06410 GSI001742. Town of Cheshire Water Pollution Control Plant. 1325 Cheshire St. Cheshire CT 06410	CHESHIRE 06410 GSI001742. Town of Cheshire Water Pollution Control Plant. 1325 Cheshire St. Cheshire CT 06410	CHESHIRE 06410 25 Knotter Dr., Cheshire	CHESHIRE 06410 25 Knotter Dr., Cheshire
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/7/2011	10/7/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	PO Box 291	WATER POLLUTION CONTROL DIVISION 84 S MAIN ST	PO Box 291	Water Pollution Cntrl Dept. 1325 Cheshire St	965 Folly Brook Blvd	25 KNOTTER DR
<b>Affiliate City</b>	East Hampton	CHESHIRE	East Hampton	CHESHIRE	Wethersfield	CHESHIRE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06424	06410	06424	06410	06109	06410
<b>Program Client</b>	STORM ATLANTIC INERTIAL SYSTEMS INC.	STORM FUJIKIN OF AMERICA, INC.	STORM AJ WASTE SYSTEMS, LLC	STORM CENTRAL CONNECTICUT RECYCLING & TRANSFER, LLC	STORM ALL STATE CONSTRUCTION INC.	STORM ALL STATE CONSTRUCTION INC.
<b>Permit ID</b>	GSI001624	GSE000075	GSI001588	GSI002053	GSN002303	GSN002303
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities- GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
<b>App ID</b>	201103975	201104949	201104953	201105010	201202772	201202772
<b>Site Name</b>	Atlantic Inertial Systems Inc.	FUJIKIN OF AMERICA, INC.	22 BURTON DRIVE	22 BURTON DRIVE	MANSON YOUTH INSTITUTE	MANSON YOUTH INSTITUTE
<b>Site Address Line 1</b>	250 KNOTTER DR	604 W JOHNSON AVE	22 BURTON DR	22 BURTON DR	42 JARVIS ST	42 JARVIS ST
<b>Site City Site ZIP</b>	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410	CHESHIRE 06410	Upgrades, Repairs, & Renovations to hot Water Piping and Air Conditioning Systems. (Cheshire, Ct.)	Upgrades, Repairs, & Renovations to hot Water Piping and Air Conditioning Systems. (Cheshire, Ct.)
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	4/10/2012	4/10/2012
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	250 KNOTTER DR	604 W Johnson Ave	22 BURTON DR	22 BURTON DR	449 COOKE ST	449 Cooke St, PO Box 805
<b>Affiliate City</b>	CHESHIRE	Cheshire	CHESHIRE	CHESHIRE	FARMINGTON	Farmington
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06410	06410	06410	06410	06032	06032

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM OGS TECHNOLOGIES INC	STORM TURNKEY COMPLIANCE SOLUTIONS, LLC	STORM FUSS & O'NEILL, INC.	STORM EDAC TECHNOLOGIES CORPORATION	STORM HRP ASSOCIATES, INC.	STORM MICROTECH, INC.
<b>Permit ID</b>	GSI001602	GSI001602	GSI002535	GSI002535	GSE000176	GSE000176
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities - GP-No Exposure Certification	Stormwater Associated With Industrial Activities - GP-No Exposure Certification
<b>App ID</b>	201205419	201205419	201205876	201205876	201206476	201206476
<b>Site Name</b>	OGS TECHNOLOGIES, INC.	OGS TECHNOLOGIES, INC.	EDAC Technologies Corporation	EDAC Technologies Corporation	MICROTECH, INC.	MICROTECH, INC.
<b>Site Address Line 1</b>	1855 PECK LN	1855 PECK LN	500 KNOTTER DR	500 KNOTTER DR	1425 Highland Ave	1425 Highland Ave
<b>Site City</b>	CHESHIRE	CHESHIRE	CHESHIRE	CHESHIRE	Cheshire	Cheshire
<b>Site ZIP</b>	06410	06410	06410	06410	06410	06410
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/29/2012	9/29/2012	10/9/2012	10/9/2012	11/6/2012	11/6/2012
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	1855 PECK LN	4 Flannery Row	146 HARTFORD RD	500 KNOTTER DR	197 SCOTT SWAMP RD	1425 HIGHLAND AVE
<b>Affiliate City</b>	CHESHIRE	East Hampton	MANCHESTER	CHESHIRE	FARMINGTON	CHESHIRE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06411	06424	06040	06410	06032	06410
<b>Program Client</b>	STORM CENTRAL TRANSPORT INTERNATIONAL INC	STORM THE STOP & SHOP SUPERMARKET COMPANY LLC	STORM WHITNEY CENTER, INCORPORATED	STORM WHITNEY CENTER, INCORPORATED	STORM KIMCO REALTY CORPORATION /MC CORP.	STORM VANASSE HANGEN BRUSTLIN, INC.
<b>Permit ID</b>	GSI002530	GSC000131	GSN001847	GSN001847	GSC000326	GSC000326
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Commercial Activity Stormwater	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Registration (Commercial) With Plan Review Fee	Stormwater Registration (Commercial) With Plan Review Fee
<b>App ID</b>	201205815	200903387	200801403	200801403	200600795	200600795
<b>Site Name</b>	Central Transport International Inc.	STOP & SHOP STORE #692	WHITNEY CENTER	WHITNEY CENTER EXPANSION	HAMDEN MART	HAMDEN MART
<b>Site Address Line 1</b>	210 E JOHNSON AVE	370 HEMINGWAY AVE	200 LEEDER HILL DR	170 Leeder Hill Dr	2300 DIXWELL AVENUE	2300 DIXWELL AVENUE
<b>Site City</b>	CHESHIRE	EAST HAVEN	HAMDEN	Hamden	HAMDEN	HAMDEN
<b>Site ZIP</b>	06410	06512	06517	06517	06514	06514
<b>Permit Description</b>	LOCATION: STORE# 692 @ 370 HEMINGWAY AVE., EAST HAVEN, CT 06512	CONSTRUCTION OF TWO NEW BUILDINGS AROUND THE EXISTING BUILDING AND A NEW PARKING GARAGE.	CONSTRUCTION OF TWO NEW BUILDINGS AROUND THE EXISTING BUILDING AND A NEW PARKING GARAGE.	EXISTING SHOPPING CENTER - HAMDEN MART - 2300 DIXWELL AVE., HAMDEN, CT	EXISTING SHOPPING CENTER - HAMDEN MART - 2300 DIXWELL AVE., HAMDEN, CT	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	11/2/2012	9/23/2009	6/20/2008	6/20/2008	8/11/2009	8/11/2009
<b>Expire Date</b>	9/30/2016	4/30/2014	2/1/2014	2/1/2014	4/30/2014	4/30/2014
<b>Affiliate Add1</b>	12225 Stephens Rd	1385 HANCOCK ST	200 LEEDER HILL DR	200 LEEDER HILL DR	433 S MAIN ST SUITE 322	101 WALNUT ST; PO BOX 9151
<b>Affiliate City</b>	Warren	QUINCY	HAMDEN	HAMDEN	WEST HARTFORD	WATERTOWN
<b>Affiliate State</b>	MI	MA	CT	CT	CT	MA
<b>Affiliate ZIP</b>	48089	02169	06517	06517	06611	02472

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM	STORM	STORM	STORM	STORM
Client	KIMCO REALTY CORPORATION /MC CORP.	HOME DEPOT U. S. A., INC.	HOME DEPOT U. S. A., INC.	STATE OF CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION	GIERING METAL FINISHING, INCORPORATED
Permit ID	GSC000326	GSC000334	GSC000334	GSN002230	GSI000407
Permit El Type	Stormwater Registration (Commercial) With Plan Review Fee	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Construction Activities - GP - >10 Acres	Stormwater Industrial Activities - GP
App ID	200600795	200600755	200600755	201103732	201105167
Site Name	HAMDEN MART	Home Depot, The #8473	Home Depot, The #8473	Tire Pond (Parcel B) Historic, unpermitted tire disposal location that occupies a former clay pit excavated for the manuf	GIERING METAL FINISHING, INC.
Site Address Line 1	2300 DIXWELL AVENUE	1873 Dixwell Avenue	1873 Dixwell Avenue	2935 State St	2655 STATE ST
Site City	HAMDEN	Hamden	Hamden	Hamden	HAMDEN
Site ZIP	06514	06514	06514	06517	06517
Permit Description	EXISTING SHOPPING CENTER - HAMDEN MART - 2300 DIXWELL AVE., HAMDEN, CT	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES-HOME DEPOT FACILITY #8473-1873 DIXWELL AVE., HAMDEN, CT	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES-HOME DEPOT FACILITY #8473-1873 DIXWELL AVE., HAMDEN, CT	Tire Pond Closure Project - Phase II Closure Activities: Closure of an up-permitted solid waste disposal area.	96 Phenix Ave. Enfield, Ct. 06082
Status	Active	Active	Active	Active	Active
Issued Date	8/11/2009	8/12/2009	8/12/2009	7/14/2011	10/1/2011
Expire Date	4/30/2014	4/30/2014	4/30/2014	2/1/2014	9/30/2016
Affiliate Add1	433 S MAIN ST	2455 FERRY PACES RD, NW	2455 FERRY PACES RD, NW	79 Elm Street	2655 STATE ST
Affiliate City	WEST HARTFORD	ATLANTA	ATLANTA	Hartford	HAMDEN
Affiliate State	CT	GA	GA	CT	CT
Affiliate ZIP	06110	30339	30339	06106	06517
Program	STORM	STORM	STORM	STORM	STORM
Client	PORCE-LEN, INC	TIILCON CONNECTICUT, INC.	Magellan Terminals Holdings, LP	TOWN OF HAMDEN	TOWN OF HAMDEN
Permit ID	GSI000210	GSI000569	GSI001374	GSI001681	GSI001682
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104620	201104663	201104873	201105247	201105256
Site Name	PORCELEN LTD CT LLC	TIILCON, Hamden	MAGELLAN TERMINALS HOLDINGS, L.P.	LANDFILL, TRANSFER STATION & RECYCLING CENTER	HAMDEN PUBLIC WORKS GARAGE
Site Address Line 1	129 LEEDER HILL DRIVE	155 PINE ROCK AVE	265 WELTON ST	WINTERGREEN AVENUE	1125 SHEPARD AVE
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06514	06514	06517	06518	06514
Permit Description		TILCON CONNECTICUT-HAMDEN PLANT	265 Welton St. Hamden, Ct. 06514		Public Works Garage 1125 Shepard Ave. Hamden, Ct. 06518
Status	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	129 LEEDER HILL DR	PO BOX 1357; BLACK ROCK AVE	1 Oné Williams Ctr MD 29	2750 DIXWELL AVE	2750 DIXWELL AVE
Affiliate City	HAMDEN	NEW BRITAIN	Tulsa	HAMDEN	HAMDEN
Affiliate State	CT	CT	OK	CT	CT
Affiliate ZIP	06517	06050	74172	06518	06518

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM H.N.S. MANAGEMENT CO.	STORM FIRST STUDENT, INC.	STORM HRP ASSOCIATES, INC.	STORM SUPERIOR PRINTING INK CO., INC.	STORM FIP CONSTRUCTION, INC.
Client					
Permit ID	GSI002278	GSI002217	GSI002205	GSI002205	GSN002350
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres
App ID	201104308	201104352	201106787	201106787	201205599
Site Name	CT TRANSIT - New Haven Bus Facility	FIRST STUDENT, INC. #20629	SUPERIOR PRINTING INK CO INC	SUPERIOR PRINTING INK CO INC	SCSU
Site Address Line 1	2061 STATE ST	1351 DIXWELL AVE	750 SHERMAN AVE	750 SHERMAN AVE	615 FITCH ST
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06517	06514	06514	06514	06514
Permit Description	First Student #20629 1351 Dixwell Ave. Hamden, Ct. 06514				
Status	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	1/7/2012	1/7/2012	7/31/2012
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014
Affiliate Add1	2061 State St	600 Viñe St Suite 1400	197 SCOTT SWAMP RD	100 North St	308 Farmington Ave
Affiliate City	Hamden	Cincinnati	FARMINGTON	Teterboro	Farmington
Affiliate State	CT	OH	CT	NJ	CT
Affiliate ZIP	06517	45202	06032	07608	06032
Program	STORM MILONE & MACBROOM, INC.	STORM STANTEC CONSULTING SERVICES INC.	STORM FUSCO CORPORATION	STORM GREATER NEW HAVEN TRANSIT DISTRICT	STORM GREATER NEW HAVEN TRANSIT DISTRICT
Client					
Permit ID	GSN002350	GSN002363	GSN002363	GSI001465	GSN001465
Permit El Type	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201205599	201205850	201205850	201206570	201206570
Site Name	SCSU	ELI WHITNEY REG. VOC. TECH SCHOOL	ELI WHITNEY REG. VOC. TECH SCHOOL	GREATER NEW HAVEN TRANSIT DISTRICT	GREATER NEW HAVEN TRANSIT DISTRICT
Site Address Line 1	615 FITCH ST	71 JONES RD	71 JONES RD	840 SHERMAN AVE	840 SHERMAN AVE
Site City	HAMDEN	HAMDEN	HAMDEN	HAMDEN	HAMDEN
Site ZIP	06514	06514	06514	06514	06514
Permit Description	New Academic Laboratory Building and site improvements to Southern Connecticut State University State University along Fitch Street (Route 10).				
Status	Active	Active	Active	Active	Active
Issued Date	7/31/2012	8/22/2012	8/22/2012	1/24/2013	1/24/2013
Expire Date	2/1/2014	2/1/2014	2/1/2014	9/30/2016	9/30/2016
Affiliate Add1	99 REALTY DR	2321 Whitney Ave	555 LONG WHARF DR SUITE 14	840 SHERMAN AVE	840 SHERMAN AVE
Affiliate City	CHESHIRE	Hamden	NEW HAVEN	HAMDEN	HAMDEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06410	06518	06511	06514	06514

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM PENNONI ASSOCIATES INC.	STORM SOLARCITY CORPORATION	STORM DENMERI ASSOCIATES L.P.	STORM DENMERI ASSOCIATES, L.P.	STORM TARGET STORES, INC.
Client					
Permit ID	GSN002476	GSN002476	GSC000304	GSC000304	GSC000202
Permit El Type	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity - Stormwater
App ID	201303560	201303560	200802154	200802154	200601348
Site Name	NORTH SLEEPING GIANT WELLFIELD	NORTH SLEEPING GIANT WELLFIELD	DENMERI ASSOCIATES LP	DENMERI ASSOCIATES, LP	Target Store T1373 Meriden
Site Address Line 1	4315 Whitney Ave	4315 Whitney Ave	1231 EAST MAIN STREET	1231 EAST MAIN STREET	474 Chamberlain Highway
Site City	Hamden	Hamden	MERIDEN	MERIDEN	Meriden
Site ZIP	06518	06518	06450	06450	06451-1818
Permit Description	Install PV solar panel electric generation system containing 4,000 panels on the RWA's 146 acre North Sleeping Giant wellfield parcel to generate much of the power needed to operate the wells.	Install PV solar panel electric generation system containing 4,000 panels on the RWA's 146 acre North Sleeping Giant wellfield parcel to generate much of the power needed to operate the wells.	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY	STORE # T1373 - MERIDEN, CT / STORMWATER COMMERCIAL ACTIVITY
Status	Active	Active	Active	Active	Active
Issued Date	8/6/2013	8/6/2013	8/11/2009	8/11/2009	8/13/2009
Expire Date	2/1/2014	2/1/2014	4/30/2014	4/30/2014	4/30/2014
Affiliate Add1	13 BRANCH ST	3055 Clearview Way	940 HARVERFORD RD	940 E HAVERFORD RD	P.O Box 111 Corporate Risk & Responsibility
Affiliate City	METHUEN	San Mateo	BRYN MAWR	BRYN MAWR	Minneapolis
Affiliate State	MA	CA	PA	PA	MN
Affiliate ZIP	01844	94402	19010	19010	55440
Program	STORM TARGET STORES, INC.	STORM LOWE'S HOME CENTERS INC	STORM MERIDEN SQUARE PARTNERSHIP	STORM THE STOP & SHOP SUPERMARKET COMPANY LLC	STORM URSTADT BIDDLE PROPERTIES INC.
Client					
Permit ID	GSC000202	GSC000365	GSC000139	GSC000165	GSC000140
Permit El Type	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity - Stormwater
App ID	200601348	200903030	200903322	200903362	200903493
Site Name	Target Store T1373 Meriden	LOWE'S OF MERIDEN	WESTFIELD SHOPPINGTOWN MERIDEN SQUARE MALL	STOP & SHOP STORE #654	TOWNLINE SQUARE SHOPPING CENTER
Site Address Line 1	474 Chamberlain Highway	1231 E MAIN ST	470 LEWIS AVE	485 BROAD ST	533 S Broad St
Site City	Meriden	MERIDEN	MERIDEN	MERIDEN	Meriden
Site ZIP	06451-1818	06450	06451	06450	06450
Permit Description	STORE # T1373 - MERIDEN, CT / STORMWATER COMMERCIAL ACTIVITY	Retail shopping center on East Main Street containing 3 separate containing buildings. Tenants include Lowe's Home Improvements and Ocean State Job Lot. (Meriden, Ct)	LOCATION: MERIDEN SQUARE MALL - 470 LEWIS AVE, MERIDEN, CT	LOCATION: STORE# 654 @ 485 BROAD ST, MERIDEN, CT 06450	LOCATION: TOWNLINE SQUARE SHOPPING CENTER@533 SOUTH BROAD STREET, MERIDEN, CT
Status	Active	Active	Active	Active	Active
Issued Date	8/13/2009	8/19/2009	9/17/2009	9/22/2009	10/9/2009
Expire Date	4/30/2014	4/30/2014	4/30/2014	4/30/2014	4/30/2014
Affiliate Add1	PO Box 111 Corporate Risk & Responsibility	1605 CURTIS BRIDGE RD	470 LEWIS AVE	1385 HANCOCK ST	321 RAILROAD AVE
Affiliate City	Minneapolis	WILKESBORO	MERIDEN	QUINCY	GREENWICH
Affiliate State	MN	NC	CT	MA	CT
Affiliate ZIP	55440	28697	06451	02169	06830

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM AT&T CORP.	STORM ABS USA	STORM FUSS & O'NEILL, INC.	STORM CITY OF MERIDEN	STORM RADIO FREQUENCY SYSTEMS, INC.	STORM CENTRAL CT TANK FABRICATION AND TRUCK REPAIR, LLC
Client						
Permit ID	GSN002116	GSI000368	GSI002450	GSI002450	GSI000964	GSI002035
Permit El Type	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201004014	201105692	201105719	201105719	201105479	201104493
Site Name	AT&T SITE	ABS PUMPS INC.	MERIDEN TRANSFER STATION	MERIDEN TRANSFER STATION	RADIO FREQUENCY SYSTEMS, INC.	CENTRAL CT TANK FABRICATION AND TRUCK REPAIR, LLC
Site Address Line 1	84 DEERFIELD LN	140 PONDVIEW DR	EVANSVILLE AVE	EVANSVILLE AVE	200 POND VIEW DR	70 & 120 GRACEY AVENUE
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site Zip	06450	06450			06450	06451
Permit Description	REPAVEMENT OF AN EXISTING 711 SPACE PARKING LOT AND THE INSTALLATION OF 725'+/- OF 12" PERFORATED HDPE TRENCH DRAIN.		City of Meriden Transfer Station, Evansville Ave., Meriden, Ct 06451	City of Meriden Transfer Station, Evansville Ave., Meriden, Ct 06451		
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/6/2010	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	2/1/2014	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	310 Orange St	140 Pond View Dr	146 HARTFORD RD	142 EAST MAIN STREET, ROOM 19	200 Pond View Dr	70 Gracey Ave
Affiliate City	New Haven	Meriden	MANCHESTER	MERIDEN	Meriden	Meriden
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06510	06450	06040	06450	06450	06451
Program	STORM HUNTER'S AMBULANCE SERVICE INC	STORM CRC CHROME CORPORATION	STORM TRITON ENVIRONMENTAL, INC.	STORM THE YORK HILL TRAP ROCK QUARRY COMPANY	STORM CANBERRA INDUSTRIES, INC.	STORM Korth Engineering LLC
Client						
Permit ID	GSI002124	GSI001921	GSI000939	GSI000939	GSI002113	GSI002171
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104770	201103922	201104633	201104633	201104932	201104736
Site Name	HUNTER'S AMBULANCE	CRC CHROME	975 WESTFIELD RD	975 WESTFIELD RD	CANBERRA INDUSTRIES, INC.	BISHOP'S USED AUTO PARTS
Site Address Line 1	450-474 WEST MAIN STREET	169 PRATT ST	975 WESTFIELD RD	975 WESTFIELD RD	800 RESEARCH PKWY	850 WESTFIELD ROAD
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN	MERIDEN
Site Zip	06451	06450	06450	06450	06450	06450
Permit Description	474 West Main St. Meriden, Ct. 06451		975 Westfield Rd,Meriden	975 Westfield Rd,Meriden		
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	450 W MAIN ST	169 R PRATT ST	385 CHURCH ST	PO BOX 748	800 RESEARCH PKWY	12 Lewis Rd
Affiliate City	MERIDEN	MERIDEN	GUILFORD	MERIDEN	MERIDEN	Marlborough
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06451	06450	06437	06450	06450	06447

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM	STORM	STORM	STORM	STORM	STORM
Client	BISHOP'S USED AUTO PARTS	TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	UNITED INDUSTRIAL SERVICES, INC.	LAUREL PETROLEUM CORP.	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	Diversified Technology Consultants, Inc.
Permit ID	GSI002171	GSI000834	GSI002090	GSI000495	GSI000957	GSI000957
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104736	201104778	201104779	201104780	201104112	201104112
Site Name	BISHOP'S USED AUTO PARTS	UNITED OIL RECOVERY, INC.	United Oil Recovery Inc.	357 WEST MAIN STREET	MERIDEN MAINTENANCE FACILITY	MERIDEN MAINTENANCE FACILITY
Site Address Line 1	850 WESTFIELD ROAD	136 GRACEY AVE	47 Gracey Ave	357 W MAIN ST	239 MILLER AVE	239 MILLER AVE
Site City	MERIDEN	MERIDEN	Meriden	MERIDEN	MERIDEN	MERIDEN
Site ZIP	06450	06451	06451	06451	06450	06450
Permit Description				Laurel Petroleum Corp. - 357 West Main St. Meriden, Ct. 06451		
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	120 STANTACK RD	47 Gracey Ave	47 GRACEY AVENUE	47 Gracey Ave	2800 BERLIN TPKE; PO BOX 317546	2321 Whitney Ave
Affiliate City	MIDDLETOWN	Meriden	MERIDEN	Meriden	NEWINGTON	Hamden
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06457	06451	06451	06451	06131	06518
Program	STORM	STORM	STORM	STORM	STORM	STORM
Client	HRP ASSOCIATES, INC.	WE RECYCLE! LLC	Con-Way Freight	APLICARE, INC.	UNITED INDUSTRIAL SERVICES, INC.	CITY OF MERIDEN
Permit ID	GSI002014	GSI002014	GSI000330	GSE000136	GSI002477	GSI001687
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105246	201105246	201105252	201103672	201106789	201105020
Site Name	WERECYCLE! VRP LAMP CRUSHING	WERECYCLE! VRP LAMP CRUSHING	CON-WAY FREIGHT	APLICARE, INC.	United Industrial Services	MERIDEN WATER POLLUTION CONTROL FACILITY
Site Address Line 1	500 S BROAD ST	500 S BROAD ST	1499 N COLONY RD	500 RESEARCH PKWY	120 Gracey Ave	226 EVANSVILLE AVE
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	Meriden	MERIDEN
Site ZIP	06450	06450	06450	06450	06451	06451
Permit Description	Permit Renewal #GSI002014	Permit Renewal #GSI002014	Renewal Permit #GSI000330		United Industrial Services - 120 Avenue Meriden, Ct. 06451	
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	1/7/2012	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	197 SCOTT SWAMP RD	500 S BROAD ST	2211 Old Earhart Rd	550 RESEARCH PKWY	120 Gracey Ave	226 EVANSVILLE AVE
Affiliate City	FARMINGTON	MERIDEN	Ann Arbor	MERIDEN	Meriden	MERIDEN
Affiliate State	CT	CT	MI	CT	CT	CT
Affiliate ZIP	06032	06450	48105	06450	06451	06450

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM M. I. HOLZMAN & ASSOCIATES	STORM CITY OF MERIDEN	STORM Wenck Associates	STORM 3M PURIFICATION INC.	STORM YANKEE GAS SERVICES COMPANY	STORM Gilbane Building Company
<b>Permit ID</b>	GSI001687	GSI001088	GSI001975	GSI001975	GSN002278	GSN002282
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
<b>App ID</b>	201105020	201103893	201105667	201105667	201107338	201200121
<b>Site Name</b>	MERIDEN WATER POLLUTION CONTROL FACILITY	MERIDEN TRANSFER STATION	3M PURIFICATION INC (MERIDEN)	3M PURIFICATION INC (MERIDEN)	46 Cooper Street	State of Connecticut, H.C. Wilcox Technical High School
<b>Site Address Line 1</b>	226 EVANSVILLE AVE	55 MICHAEL DR	400 RESEARCH PKWY	400 RESEARCH PKWY	46 Cooper St	298 Oregon Rd
<b>Site City Site ZIP</b>	MERIDEN 06451	MERIDEN 06450	MERIDEN 06450	MERIDEN 06450	Meriden 06451	Meriden 06451
<b>Permit Description</b>	Area work center (AWC) site improvements - Site remediation, stream bank stabilization @ 46 Cooper St., Meriden, CT					Additions and Renovations to H.C. Wilcox Technical High School - Meriden, Ct.
<b>Status Issued Date Expire Date</b>	Active 10/1/2011	Active 10/1/2011	Active 10/1/2011	Active 10/1/2011	Active 1/4/2012	Active 1/27/2012
<b>Affiliate Add1</b>	57 MOUNTAIN VIEW DR	142 EAST RD	1802 Wooddale Dr Suite 100	400 RESEARCH PKWY	C/O NORTHEAST UTILITIES SERVICES CO.; PO BOX 270	208A New London Tpke
<b>Affiliate City Affiliate State Affiliate ZIP</b>	WEST HARTFORD CT 06117	MERIDEN CT 06450	Woodbury MN 55125	MERIDEN CT 06450	HARTFORD CT 06141	Glastonbury CT 06033
<b>Program Client</b>	STORM THE L. SUZIO CONCRETE COMPANY, INC.	STORM TRITON ENVIRONMENTAL, INC.	STORM THE MILLER COMPANY	STORM QS TECHNOLOGIES, INC.	STORM THE L. SUZIO ASPHALT CO, INC.	STORM TRITON ENVIRONMENTAL, INC.
<b>Permit ID</b>	GSI002399	GSI002399	GSI001338	GSI000557	GSI002577	GSI002577
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105903	201105903	201103856	201201130	201105904	201105904
<b>Site Name</b>	975 WESTFIELD RD	975 WESTFIELD RD	THE MILLER COMPANY	QS TECHNOLOGIES, INC.	975 WESTFIELD RD	975 WESTFIELD RD
<b>Site Address Line 1</b>	975 WESTFIELD RD	975 WESTFIELD RD	275 PRATT ST	602 POMEROY AVE	975 WESTFIELD RD	975 WESTFIELD RD
<b>Site City Site ZIP</b>	MERIDEN 06450	MERIDEN 06450	MERIDEN 06450	MERIDEN 06450	MERIDEN 06450	MERIDEN 06450
<b>Permit Description</b>						
<b>Status Issued Date Expire Date</b>	Active 10/1/2011	Active 10/1/2011	Active 10/1/2011	Active 6/5/2012	Active 10/1/2011	Active 10/1/2011
<b>Affiliate Add1</b>	975 WESTFIELD RD	385 Churh St Suite 201	275 Pratt Street	602 POMEROY AVE	975 Westfield Rd	385 Churh St Suite 201
<b>Affiliate City Affiliate State Affiliate ZIP</b>	MERIDEN CT 06450	Guilford CT 06437	Meriden CT 06450	MERIDEN CT 06450	Meriden CT 06450	Guilford CT 06437

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM CITY OF MERIDEN	STORM LUCHS CONSULTING ENGINEERS, LLC	STORM STANTEC CONSULTING SERVICES INC.	STORM CITY OF MERIDEN	STORM A G C' INCORPORATED	STORM GREENCORP,LLC
Client						
Permit ID	GSN002427	GSN002427	GSN002443	GSN002443	GS1002620	GS1002620
Permit El Type	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201300849	201300849	201301611	201301611	201303007	201303007
Site Name	MALONEY HIGH SCHOOL	MALONEY HIGH SCHOOL	PLATT HIGH SCHOOL	PLATT HIGH SCHOOL	AGC, INCORPORATED	AGC, INCORPORATED
Site Address Line 1	121 GRAVEL ST	121 GRAVEL ST	220 COE AVE	220 COE AVE	106 Evansville Ave	106 Evansville Ave
Site City	MERIDEN	MERIDEN	MERIDEN	MERIDEN	Meriden	Meriden
Site ZIP	06450	06450	06451	06451	06451	06451
Permit Description	Maloney High School Renovation-reconstruction of an existing high school on 26.578 acre campus	Maloney High School Renovation-reconstruction of an existing high school on 26.578 acre campus	Reconstruction of a school building, parking areas, utilities and site amenities-Orville H. Platt High School, 220 Coe Ave., Meriden	Reconstruction of a school building, parking areas, utilities and site amenities-Orville H. Platt High School, 220 Coe Ave., Meriden	Permit No. GS1000310	Permit No. GS1000310
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/13/2013	3/13/2013	4/23/2013	4/23/2013	9/6/2013	9/6/2013
Expire Date	2/1/2014	2/1/2014	2/1/2014	2/1/2014	9/30/2016	9/30/2016
Affiliate Add1	Mer. Pub. Schools Facilities Dept. 22 Liberty St	89 Colony St	2321 Whitney Ave	BOARD OF EDUCATION 22 LIBERTY ST	106 EVANSVILLE AVE	51 Ashaway Rd
Affiliate City	Meriden	Meriden	HAMDEN	MERIDEN	MERIDEN	Ashaway
Affiliate State	CT	CT	CT	CT	CT	RI
Affiliate ZIP	06450	06451	06518	06450	06451	02804
Program	STORM TA OPERATING CORPORATION	STORM TA OPERATING LLC	STORM APEX COMPANIES, LLC	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM WINSTANLEY ENTERPRISE
Client						
Permit ID	GSN000228	GS1002398	GS1002398	GSN001778	GSN001820	GSN001856
Permit El Type	Commercial Activity Stormwater	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
App ID	200903131	201105677	201105677	200800491	200801287	200801867
Site Name	TRAVEL CENTERS OF AMERICA	TRAVEL CENTERS OF AMERICA	TRAVEL CENTERS OF AMERICA	ROUTE 34 CORRIDOR PARKING LOT IMPROVEMENTS	COMPREHENSIVE MODERNIZATION EASTVIEW 4-34	SCIENCE PARK GARAGE AND CHILLER PLANT
Site Address Line 1	1875 MERIDEN/WATERBURY ROAD	1875 MERIDEN/WATERBURY ROAD	1875 MERIDEN/WATERBURY ROAD	NORTH, SOUTH FRONTAGE ROAD, SHERMAN AVE,	EASTERN STREET / EASTERN CIRCLE	276 WINCHESTER AVE
Site City	MILLDALE	MILLDALE	MILLDALE	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06510	06510	06510	06512	06511	06511
Permit Description	LOCATION: MILLDALE TRAVEL CENTER, 1875 MERIDEN-WATER ROAD, SOUTHBURY, CT	1875 Meriden Waterbury Tpke, Milldale	1875 Meriden Waterbury Tpke, Milldale	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	STORMWATER & DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/27/2009	10/1/2011	10/1/2011	2/28/2008	5/21/2008	7/18/2008
Expire Date	4/30/2014	9/30/2016	9/30/2016	2/1/2014	2/1/2014	2/1/2014
Affiliate Add1	24601 Cntr. Ridge Rd DBA Travel Cntrs. of America	24601 CENTER RIDGE RD	58 Connecticut Ave	PARKING AUTHORITY 50 UNION AVE	HOUSING AUTHORITY 360 ORANGE ST	300 GEORGE ST
Affiliate City	WESTLAKE	WESTLAKE	South Windsor	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	OH	OH	CT	CT	CT	CT
Affiliate ZIP	44145	44145	06074	06519	06511	06511

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM ACL SMARTYALE, LLC	STORM WAL-MART STORES EAST, LP	STORM LOWES HOME CENTERS, INC.	STORM C.J. FUCCI CONSTRUCTION CO.	STORM C.J. FUCCI CONSTRUCTION CO.
Client					
Permit ID	GSC000125 Commercial Activity Stormwater	GSC000274 Commercial Activity Stormwater	GSC000150 Commercial Activity Stormwater	GSN002081 Stormwater Construction Activities - GP- 5 - 10 Acres	GSN002086 Stormwater Construction Activities - GP- 5 - 10 Acres
Permit El Type					
App ID	200903126 WALLEY COMMONS	200903201 WAL-MART STORE #5439	200903631 LOWE'S HOME CENTERS, INC.	201001663 FORBES AVENUE- STILES ST. SEWER RELOCATION PROJECT	201001296 YALE CAMPUS/TRUMBULL STREET AREA SEWER SEPARATION
Site Name					
Site Address Line 1	1449-1475 WHALLEY AVENUE	315 FOXON BLVD	115 FOXON BLVD	FORBES AVENUE & INTERSECTION OF STILES STREET	PROSPECT STREET, LOCK STREET, CANAL STREET, SACHEM STREET, MANSFIELD STREET, & COMPTON STREET
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06515 LOCATION: WALLEY COMMONS, 1449-1475 WHALLEY AVE, NEW HAVEN, CT.	06513 LOCATION: WAL-MART STORE #5439/ 315 FOXON BLVD & QUINNIPAC AVE., NEW HAVEN, CT	06513 Lowes Home Centers, Inc. #0593 (115 Foxon Boulevard New Haven, Ct.)	06513 Install replacement sanitary sewer pipe (Forbes Ave. - Stiles Sewer Relocation Project Forbes Ave. & Intresection of Stiles St. New Haven, Ct.	06511 YALE CAMPUS/TRUMBULL STREET AREA SEWER SEPARATION-NEW HAVEN
Permit Description					
Status	Active	Active	Active	Active	Active
Issued Date	8/27/2009	9/3/2009	11/4/2009	4/9/2010	4/20/2010
Expire Date	4/30/2014	4/30/2014	4/30/2014	2/1/2014	2/1/2014
Affiliate Add1	3060 PEACHTREE ROAD - NW SUITE#1545	702 SW 8TH	PO BOX 1111	63 RUSSELL ST	63 RUSSELL ST
Affiliate City	ATLANTA	BENTONVILLE	NORTH WILKESBORO	EAST HAVEN	EAST HAVEN
Affiliate State	GA	AR	NC	CT	CT
Affiliate Zip	30305	72716	28656	06513	06513
Program	STORM DIMEO CONSTRUCTION CO.	STORM H.I. STONE & SON INC.	STORM TWEED NEW HAVEN REGIONAL AIRPORT AUTHORITY	STORM CITY OF NEW HAVEN	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
Client					
Permit ID	GSN002098 Stormwater Construction Activities - GP- 5 - 10 Acres	GSN002108 Stormwater Construction Activities - GP- 5 - 10 Acres	GSN002132 Stormwater Construction Activities - GP- 5 - 10 Acres	GSN002171 Stormwater Construction Activities - GP- >10 Acres	GSN002179 Stormwater Construction Activities - GP- >10 Acres
Permit El Type					
App ID	201002824 Gateway Community College	201003884 HOPKINS SCHOOL INC	201003833 TWEED-NEW HAVEN REGIONAL AIRPORT	201005977 WEST ROCK REDEVELOPMENT	201100833 I-95 Bridge/Route 34 Interchange Project Nos. 92-531,92-622,92-627
Site Name					
Site Address Line 1	2 Church St	986 FOREST RD	155 BURR ST	50 BROOKSIDE AVENUE	140 DEWITT STREET
Site City	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site Zip	06514 GATEWAY COMMUNITY COLLEGE-CHURCH ST., NEW HAVEN	06515 HOPKINS SCHOOL ATHLETIC FIELD RECONSTRUCTION- 986 FOREST RD., NEW HAVEN	06512 Rehabilitation of Runway 02-20 pavement; installation of new backup regulator of new airfield signs- New Haven	06515 CONSTRUCTION OF RESIDENTIAL HOUSING UNITS, UTILITIES, PARKING AND ROAD NETWORK.	06519 New School Building with surrounding infrastructure and underground utilities. (140 Dewitt St. New Haven, Ct.)
Permit Description					
Status	Active	Active	Active	Active	Active
Issued Date	5/12/2010	6/22/2010	8/26/2010	2/3/2011	3/14/2011
Expire Date	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014
Affiliate Add1	1211 Chapel St	313 Main St N	155 Burr St	HOUSING AUTHORITY 360 ORANGE ST	424 Chapel St DISTRICT III A
Affiliate City	New Haven	Southbury	New Haven	NEW HAVEN	NEW HAVEN
Affiliate State	CT	CT	CT	CT	CT
Affiliate Zip	06511	06488	06512	06511	06519

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM CORAL NEW HAVEN ASSOCIATES II, LLC	STORM Rizzo Companies	STORM C.J. FUCCI CONSTRUCTION CO.	STORM MURPHY ROAD RECYCLING, LLC	STORM MURPHY ROAD RECYCLING, LLC
Client					
Permit ID	GSC000384	GSN002229	GSN002243	GSI001986	GSI001986
Permit El Type	Commercial Activity Stormwater	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105750	201105752	201106338	201104443	201104443
Site Name	DWIGHT PLAZA	ENERGY CENTER	TRUMBULL STREET AREA SEWER SEPARATION PROJECT	MURPHY ROAD RECYCLING, LLC	MURPHY ROAD RECYCLING, LLC
Site Address Line 1	150 Whalley Ave	21 WINTERGREEN AVE	TRUMBULL STREET FROM ORANGE STREET TO PROSPECT STREET	19 WHEELER ST, SOLID WASTE VOLUME REDUCTION AND TRANSFER FACILITY	19 WHEELER ST, SOLID WASTE VOLUME REDUCTION AND TRANSFER FACILITY
Site City	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06511	06515	06511	06512	06512
Permit Description	The project development is an existing 57,161 square foot supermarket previously owned by Shaw's	7.0 acres of full parking and construction of a new multi-level concrete parking garage.	Sanitary Sewer Separation Project.		
Status	Active	Active	Active	Active	Active
Issued Date	7/12/2011	7/12/2011	8/30/2011	10/1/2011	10/1/2011
Expire Date	4/30/2014	2/1/2014	2/1/2014	9/30/2016	9/30/2016
Affiliate Add1	150 Edgewood Ave	64 Triangle St	63 RUSSELL ST	15 MULLEN RD DBA WHEELER STREET RECYCLING	15 MULLEN RD
Affiliate City	New Haven	Danbury	EAST HAVEN	ENFIELD	ENFIELD
Affiliate State	CT	CT	CT	CT	CT
Affiliate ZIP	06511	06810	06513	06082	06082
Program	STORM ANCHOR ENGINEERING SERVICES, INC.	STORM NATIONAL RAILROAD PASSENGER CORPORATION	STORM SARGENT MANUFACTURING COMPANY	STORM TRITON ENVIRONMENTAL, INC.	STORM NEW HAVEN TERMINAL, INCORPORATED
Client					
Permit ID	GSI001986	GSI001453	GSI001521	GSI001420	GSI001420
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104443	201105143	201105164	201105900	201105416
Site Name	MURPHY ROAD RECYCLING, LLC	NEW HAVEN SERVICE & INSPECTION FACILITY	SARGENT MANUFACTURING COMPANY	NEW HAVEN TERMINAL, INCORPORATED	AMERICAN MEDICAL RESPONSE OF CT INC
Site Address Line 1	19 WHEELER ST, SOLID WASTE VOLUME REDUCTION AND TRANSFER FACILITY	50 UNION AVENUE ANNEX	100 SARGENT DR	100 WATERFRONT ST	58 MIDDLETOWN AVE
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06512	06519	06511	06512	06513
Permit Description	New Haven Service Inspection - 50 Union Ave Annex New Haven, Ct. 06519				American Medical Response of Ct., Inc. 58 Middletown Ave. New Haven, Ct.
Status	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	41 SEQUIN DR	2'S STATION- 5TH FLOOR	100 SARGENT DR	63 TRUMBULL ST	100 WATERFRONT ST
Affiliate City	GLASTONBURY	BOSTON	NEW HAVEN	NEW HAVEN	NEW HAVEN
Affiliate State	CT	MA	CT	CT	CT
Affiliate ZIP	06033	02110	06511	06510	06512

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM AMERICAN MEDICAL RESPONSE OF CONNECTICUT, INCORPORATED	STORM WOODARD & CURRAN, INC.	STORM C. COWLES & COMPANY	STORM AMEC EARTH & ENVIRONMENTAL INC	STORM NATIONAL RAILROAD PASSENGER CORPORATION	STORM PSEG POWER CONNECTICUT LLC
<b>Permit ID</b>	GSI001853	GSI000925	GSI000925	GSI000951	GSI000951	GSI001600
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105416	201104986	201104986	201104989	201104989	201104548
<b>Site Name</b>	AMERICAN MEDICAL RESPONSE OF CT INC	C. COWLES & COMPANY	C. COWLES & COMPANY	SHORE LINE EAST MAINTENANCE FACILITY	SHORE LINE EAST MAINTENANCE FACILITY	PSEG POWER NEW HAVEN HARBOR STATION
<b>Site Address Line 1</b>	58 MIDDLETOWN AVE	83 WATER ST	83 WATER ST	275 Hallock Ave	275 Hallock Ave	600 Connecticut Ave
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	New Haven	New Haven
<b>Site Zip</b>	06513	06511	06511	06519	06519	06512
<b>Permit Description</b>	American Medical Response of Ct., Inc. - 58 Middletown Ave. New Haven, Ct.	83 Water St. New Haven	83 Water St. New Haven	Shore Line- East Maintenance Facility 275 Hallock Ave New Haven, CT 06519	Shore Line- East Maintenance Facility 275 Hallock Ave New Haven, CT 06519	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	58 MIDDLETOWN AVE	1520 HIGHLAND AVE	83 WATER ST	2 ROBBINS RD	2'S STATION - 5TH FLOOR	1 WATERFRONT ST
<b>Affiliate City</b>	NEW HAVEN	CHESHIRE	NEW HAVEN	WESTFORD	BOSTON	NEW HAVEN
<b>Affiliate State</b>	CT	CT	CT	MA	MA	CT
<b>Affiliate Zip</b>	06513	06410	06511	01886	02110	06512
<b>Program Client</b>	STORM PORT SERVICE, INC.	STORM FIRST STUDENT, INC	STORM METRO-NORTH RAILROAD	STORM MOTIVA ENTERPRISES LLC	STORM GZA GEOENVIRONMENTAL INC.	STORM BUCHANAN MARINE L.P.
<b>Permit ID</b>	GSI001821	GSE000107	GSI001356	GSI001341	GSI000570	GSI000570
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities GP No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201104518	201105603	201105623	201104607	201104823	201104823
<b>Site Name</b>	PORT SERVICE, INC.	FIRST STUDENT, INC. #11845	NEW HAVEN RAIL YARD	New Haven Marine Term. 481 East Shore pk	80 E Ferry St	80 E Ferry St
<b>Site Address Line 1</b>	454 QUINNIPAC AVE	166 Middletown Ave	2 BREWERY ST	New Haven Marine Term. 481 East Shore pk	80 E Ferry St	80 E Ferry St
<b>Site City</b>	NEW HAVEN	New Haven	NEW HAVEN	New Haven	New Haven	New Haven
<b>Site Zip</b>	06513	06513	06511	LOCATION: NEW HAVEN RAIL YARD@2 BREWERY ST., NEW HAVEN	Motiva Enterprises LLC - PMB 282, 35-31 Talcottville Rd. Vernon, Ct.	06513 39 ferry st new haven 39 ferry st new haven
<b>Permit Description</b>	PO Box 9466; 454 Quinnipiac Ave.	600 Vine St Suite 1400	525 N BROADWAY 2ND FL	481 E SHORE PKWY	27 NAEK RD	39 FERRY ST
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	New Haven	Cincinnati	WHITE PLAINS	NEW HAVEN	VERNON	NEW HAVEN
<b>Affiliate City</b>	CT	OH	NY	CT	CT	CT
<b>Affiliate State</b>	06534	45202	10603	06512	06066	06513

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM DATTCO, INC.	STORM GZA GEOENVIRONMENTAL, INC.	STORM TRITON ENVIRONMENTAL, INC.	STORM R & H TERMINAL, LLC	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.
Client						
Permit ID	GSI002329	GSI002329	GSI001578	GSI001578	GSI000042	GSI000042
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201103952	201103952	201105872	201105872	201104009	201104009
Site Name	DATTCO	DATTCO	120 Forbes Avenue	120 Forbes Avenue	NEW HAVEN MAINTENANCE FACILITY	NEW HAVEN MAINTENANCE FACILITY
Site Address Line 1	100 HEMINGWAY ST	100 HEMINGWAY ST	120 FORBES AVE	120 FORBES AVE	140 POND LILY AVENUE	140 POND LILY AVENUE
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06513	06513	06512	06512	06515	06515
Permit Description	Renewal Permit #GSI002329, New Haven Facility, 100 Hemingway Street, New Haven	Renewal Permit #GSI002329, New Haven Facility, 100 Hemingway Street, New Haven	GSI001578	GSI001578		
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	583 SOUTH ST	655 Winding Brook Dr Suite 402	63 TRUMBULL ST	120 FORBES AVE	2800 BERLIN TPKE; PO BOX 317546	
Affiliate City	NEW BRITAIN	Glastonbury	NEW HAVEN	NEW HAVEN	NEWINGTON	HAMDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06051	06033	06510	06512	06131	06518
Program	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.	STORM City of Bridgeport	STORM Magellan Terminals Holdings, LP	STORM Magellan Terminals Holdings, LP	STORM Petrillo's Used Auto Parts, Inc.
Client						
Permit ID	GSI000043	GSI000043	GSI002074	GSI001375	GSI001373	GSI002368
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104011	201104011	201106119	201104939	201104940	201104781
Site Name	DOT NEW HAVEN BOULEVARD MAINTENANCE FACILITY	DOT NEW HAVEN BOULEVARD MAINTENANCE FACILITY	PEQUONNOCK YACHT CLUB, INC.	280 WATERFRONT ST	85 EAST STREET TERMINAL	PETRILLO'S USED AUTO PARTS, INC.
Site Address Line 1	35 SEA ST	35 SEA ST	98 S WATER ST	280 WATERFRONT ST	85 EAST ST	150 Middletown Ave
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
Site ZIP	06519	06519	06519	06512	06511	06513
Permit Description				Magellan Midstream Partners, L.P. - 280 Waterfront St. New Haven, Ct. 06512	85 East St. New Haven, Ct.	
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	11/2/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	2800 BERLIN TPKE; PO BOX 317546	2800 BERLIN TPKE; PO BOX 317546	98 S WATER ST	1 One Williams Ctr MD 29	1 One Williams Ctr MD 29	150 Middletown Ave
Affiliate City	NEWINGTON	HAMDEN	NEW HAVEN	Tulsa	Tulsa	New Haven
Affiliate State	CT	CT	CT	OK	OK	CT
Affiliate ZIP	06131	06518	06519	74172	74172	06513

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM NEW HAVEN TERMINAL, INCORPORATED	STORM GULF OIL LIMITED PARTNERSHIP	STORM UNITED STATES POSTAL SERVICE	STORM H. KREVIT AND COMPANY, INCORPORATED	STORM Magellan Terminals Holdings, LP	STORM LEX ATLANTIC CORPORATION
<b>Permit ID</b>	GSI000863	GSI001571	GSI001066	GSI001037	GSI001371	GSI001719
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201104944	201104898	201104130	201105273	201104938	201105013
<b>Site Name</b>	NEW HAVEN TERMINAL, INCORPORATED	GULF OIL LIMITED PARTNERSHIP	UNITED STATES POSTAL SERVICE NEW HAVEN VMF	H. KREVIT & COMPANY, INC.	134 Forbes Ave.	WHEELER STREET SALT STORAGE
<b>Site Address Line 1</b>	100 WATERFRONT ST	500 WATERFRONT ST	50 BREWERY ST	67 WELTON ST	134 Forbes Ave	77 WHEELER ST
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN
<b>Site Zip</b>	06512	06512	06511	06511	06512	06512
<b>Permit Description</b>	New Haven Terminal, Inc. - 100 Waterfront St. New Haven, Ct. 06512				134 Forbes Ave. New Haven, Ct.	Permit Renewal #GSI001719
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	100 Waterfront Street	500 WATERFRONT ST	50 BREWERY ST	PO BOX 9433	1 One Williams Ctr MD 29	400 WATERFRONT ST DBA GATEWAY TERMINAL
<b>Affiliate City</b>	New Haven	NEW HAVEN	NEW HAVEN		Tulsa	NEW HAVEN
<b>Affiliate State</b>	CT	CT	CT		OK	CT
<b>Affiliate Zip</b>	06512	06512	06501	06534	74172	06512
<b>Program Client</b>	STORM PETROLEUM TERMINALS, INC	STORM WATERFRONT ENTERPRISES, INC.	STORM NEW HAVEN REGISTER, INC.	STORM URETEK LLC	STORM TWEED NEW HAVEN REGIONAL AIRPORT AUTHORITY	STORM GZA GEOENVIRONMENTAL INC.
<b>Permit ID</b>	GSI001190	GSI000657	GSI002429	GSE000049	GSI001113	GSI002392
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105018	201105032	201106721	201103712	201105066	201105845
<b>Site Name</b>	PETROLEUM TERMINALS, INC.	SALT STORAGE - GRAND AVE/WOLCOTT ST	THE NEW HAVEN REGISTER	URETEK, LLC	TWEED-NEW HAVEN REGIONAL AIRPORT	39 Ferry Street
<b>Site Address Line 1</b>	347 CHAPEL ST	GRAND AVENUE/WOLCOTT STREET	40 SARGENT DR	30 LENOX ST	155 BURR ST	39 E Ferry St
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
<b>Site Zip</b>	06511	06513	06511	06513	06512	06513
<b>Permit Description</b>	Permit Renewal #GSI001190	Permit Renewal #GSI000657, Grand Ave/Wolcott St., New Haven				
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	1/3/2012	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	400 WATERFRONT ST	400 WATERFRONT STREET	40 SARGENT DR	PO BOX 326; 30 LENOX ST	155 BURR ST	655 Winding Brook Dr Suite 402
<b>Affiliate City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	Glastonbury
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	06512	06512	06511	06513	06512	06033

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM BUCHANAN MARINE L.P.	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN
Client						
Permit ID	GSI002392	GSN002274	GSI001893	GSI001690	GSI001690	GSI001690
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105845	201105707	201107949	201108015	201108015	201108015
Site Name	39 Ferry Street	NEW HAVEN RAIL YARD - INDEPENDENT WHEEL TRUE FACILITY	EAST SHORE WPCF	DEPARTMENT OF PUBLIC WORKS	DEPARTMENT OF PUBLIC WORKS	DEPARTMENT OF PUBLIC WORKS
Site Address Line 1	39 E Ferry St	245 Hallock Ave	345 E SHORE PKWY	34 MIDDLETOWN AVE	34 MIDDLETOWN AVE	34 MIDDLETOWN AVE
Site City	New Haven	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN
Site ZIP	06513	06519	06512	06513	06513	06513
Permit Description	OVERALL STATE PROJECT # 301-0088, NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS; INCLUDING STATE # PROJECT# 300-139, INDEPENDENT WHEEL TRUE FACILTIIY. NEW HAVEN, CT					
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	11/30/2011	3/21/2012	3/23/2012	3/23/2012	3/23/2012
Expire Date	9/30/2016	2/1/2014	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	39 E FERRY ST	1107 CROMWELL AVE DISTRICT 1, 260 East St. ADMINIST. OFFICE	200 ORANGE ST - RM#503	200 ORANGE ST - RM#503	34 Middletown Avenue	34 Middletown Avenue
Affiliate City	NEW HAVEN	ROCKY HILL	New Haven	NEW HAVEN	New Haven	New Haven
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06513	06067	06512	06510	06513	06513
Program	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM CITY OF NEW HAVEN	STORM OSPREY ENVIRONMENTAL ENGINEERING, LLC	STORM Chase Waste Management
Client						
Permit ID	GSI000800	GSI002097	GSI002097	GSI002097	GSI002506	GSI002506
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201107989	201108014	201108014	201108014	201200829	201200829
Site Name	REFUSE VEHICLE BUILDING	NEW HAVEN TRANSFER STATION	NEW HAVEN TRANSFER STATION	NEW HAVEN TRANSFER STATION	Chase Waste Materials Corporation	Chase Waste Materials Corporation
Site Address Line 1	256 MIDDLETOWN AVE	260 MIDDLETOWN AVE	260 MIDDLETOWN AVE	260 MIDDLETOWN AVE	250 Middletown Ave	250 Middletown Ave
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	New Haven
Site ZIP	06513	06513	06513	06513	06513	06513
Permit Description	Site: Refuse Vehicle Garage - 255 Middletown Ave. New Haven, Ct. 06513	Renewal Permit #GSI002097, Transfer Station 256 Middletown Ave., New Haven	Renewal Permit #GSI002097, Transfer Station 256 Middletown Ave., New Haven	Renewal Permit #GSI002097, Transfer Station 256 Middletown Ave., New Haven	Chase Waste Materials Corporation - 250 Middlwtown Ave. New Haven, Ct. 06510	Chase Waste Materials Corporation - 250 Middlwtown Ave. New Haven, Ct. 06510
Status	Active	Active	Active	Active	Active	Active
Issued Date	3/23/2012	3/29/2012	3/29/2012	3/29/2012	5/22/2012	5/22/2012
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	34 Middletown Avenue	200 ORANGE ST - RM#503	34 MIDDLETOWN AVE	34 MIDDLETOWN AVE	146 E MAIN ST	450 Old Turnpike Rd
Affiliate City	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	CLINTON	Plantsville
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06513	06510	06513	06513	06413	06479

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	STORM VON ROLL USA, INC.	STORM VON ROLL USA, INC.	STORM CITY OF NEW HAVEN	STORM URS Corp.	STORM CITY OF NEW HAVEN
<b>Client</b>					
<b>Permit ID</b>	GSE000171	GSE000171	GSN002366	GSN002366	GSN002374
<b>Permit El Type</b>	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities GP- >10 Acres
<b>App ID</b>	201205448	201205448	201205916	201205916	201205974
<b>Site Name</b>	VON ROLL USA, INC	VON ROLL USA, INC	THE UNITED ILLUMINATING COMPANY: EAST SHORE YARD	THE UNITED ILLUMINATING COMPANY: EAST SHORE YARD	West Rock Redevelopment, Rockview (redevelopment of site previously with low income housing)
<b>Site Address Line 1</b>	166 CHAPEL ST	166 CHAPEL ST	1 WATERFRONT ST	1 WATERFRONT ST	295 Wilmot Rd
<b>Site City</b>	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
<b>Site ZIP</b>	06513	06513	06512	06512	06515
<b>Permit Description</b>			Reconstruction of Waterfront Street (roadway and drainage reconstruction) New Haven, CT.	Reconstruction of Waterfront Street (roadway and drainage reconstruction) New Haven, CT.	Construction of a new residential housing units-West Rock Redevelopment, Wilmot Rd., New Haven
<b>Status</b>	Active	Active	Active	Active	Active
<b>Issued Date</b>	8/2/2012	8/2/2012	8/24/2012	8/24/2012	9/11/2012
<b>Expire Date</b>	9/30/2016	9/30/2016	2/1/2014	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	200 VON ROLL DR	200 VON ROLL DR	200 Orange Street, Room 504	500 Enterprise Dr Suite 3B	360 ORANGE ST
<b>Affiliate City</b>	SCHENECTADY	SCHENECTADY	New Haven	Rocky Hill	NEW HAVEN
<b>Affiliate State</b>	NY	NY	CT	CT	CT
<b>Affiliate ZIP</b>	12306	12306	06510	06067	06511
<b>Program</b>	STORM Michael's Development Company	STORM FUSS & O'NEILL, INC.	STORM CHUCK & EDDIE'S USED AUTO PARTS	STORM HESS CORPORATION	
<b>Client</b>					
<b>Permit ID</b>	GSN002374	GSI002525	GSI002525	GSN002400	
<b>Permit El Type</b>	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	
<b>App ID</b>	201205974	201205236	201205236	201207058	AMÉRADA HESS CORPORATION
<b>Site Name</b>	West Rock Redevelopment, Rockview (redevelopment of site previously with low income housing)	190 Middletown Ave	190 Middletown Ave		
<b>Site Address Line 1</b>	295 Wilmot Rd	190 Middletown Ave	190 Middletown Ave	100 RIVER ST	
<b>Site City</b>	New Haven	New Haven	New Haven	NEW HAVEN	
<b>Site ZIP</b>	06515	06513	06513	06513	
<b>Permit Description</b>	Construction of a new residential housing units-West Rock Redevelopment, Wilmot Rd., New Haven	Chuck & Eddies Used Auto Parts 190 Middletown Ave. New Haven, Ct.	Chuck & Eddies Used Auto Parts 190 Middletown Ave. New Haven, Ct.	SPOT EXCAVATION, SOIL DISPOSAL, CONCRETE SLAB AND ASPHALT DECONSTRUCTION, ROUGH GRADING, DEMARCTION BARRIER INSTALLATION, CLEAN FILL COVER AND FINAL GRADING AND SEEDING. - NEW HAVEN	
<b>Status</b>	Active	Active	Active	Active	
<b>Issued Date</b>	9/11/2012	9/14/2012	9/14/2012	11/30/2012	
<b>Expire Date</b>	2/1/2014	9/30/2016	9/30/2016	2/1/2014	
<b>Affiliate Add1</b>	2268 Main St Suite 201	146 HARTFORD RD	384 Old Turnpike Rd	1 HESS PLAZA	
<b>Affiliate City</b>	Stratford	MANCHESTER	Plantsville	WOODBRIDGE	
<b>Affiliate State</b>	CT	CT	CT	NJ	
<b>Affiliate ZIP</b>	06615	06040	06479	07095	

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	STORM ENVIRO TRAC LTD	STORM MAGNICO ENERGY LLC	STORM CITY OF NEW HAVEN	STORM GREENLEAF BIOFUELS, LLC	STORM TRITON ENVIRONMENTAL, INC.
<b>Client</b>					
<b>Permit ID</b>	GSN002400	GSI002539	GSN002405	GSI002550	GSI002550
<b>Permit El Type</b>	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Construction Activities GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201207058	201205615	201208015	201206584	201206584
<b>Site Name</b>	AMERADA HESS CORPORATION	120 Forbes Avenue	Route 34 Project #095-659	GREENLEAF BIOFUELS, LLC	GREENLEAF BIOFUELS, LLC
<b>Site Address Line 1</b>	100 RIVER ST	120 FORBES AVE	Rt 34 and York St	south of 100 Waterfront St	south of 100 Waterfront St
<b>Site City</b>	NEW HAVEN	NEW HAVEN	New Haven	New Haven	New Haven
<b>Site ZIP</b>	06513	06512		06512	06512
<b>Permit Description</b>	sPOT EXCAVATION, SOIL DISPOSAL, CONCRETE SLAB AND ASPHALT DECONSTRUCTION, ROUGH GRADING, DEMARCTION BARRIER INSTALLATION, CLEAN FILL COVER AND FINAL GRADING AND SEEDING. - NEW HAVEN		Rte 34 - Downtown Crossing - State Project# 095-659 (City project# A10-0507). Convert the expressway segment and frontage roads from a 6-line expressway stub into a one-way pair of urban boulevards.		
<b>Status</b>	Active	Active	Active	Active	Active
<b>Issued Date</b>	11/30/2012	9/16/2012	1/8/2013	1/17/2013	1/17/2013
<b>Expire Date</b>	2/1/2014	9/30/2016	2/1/2014	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	5 Old Dock Rd	120 Forbes Ave	165 Church Street	100 Waterfront St	385 Church St Suite 201
<b>Affiliate City</b>	Yaphank	New Haven	New Haven	New Haven	Guilford
<b>Affiliate State</b>	NY	CT	CT	CT	CT
<b>Affiliate ZIP</b>	11980	06512	06510	06512	06437
<b>Program</b>	STORM RADIALL	STORM Derita & Sons Construction Company	STORM SMRT, Inc.	STORM Hopkins School, Inc.	STORM H.W. LOCHNER, INC
<b>Client</b>					STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
<b>Permit ID</b>	GSE000187	GSI002431	GSN002431	GSN002431	GSI002437
<b>Permit El Type</b>	Stormwater Associated With Industrial Activities GP No Exposure Certification	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
<b>App ID</b>	201300233	201301307	201301307	201301307	201300923
<b>Site Name</b>	RADIALL	HOPKINS GRAMMAR SCHOOL	HOPKINS GRAMMAR SCHOOL	HOPKINS GRAMMAR SCHOOL	State Project No. 92-649 I-95 NB Long Wharf Interchange Improvements
<b>Site Address Line 1</b>	104 John W Murphy Dr	986 FOREST RD (BALDWIN HALL)	986 FOREST RD (BALDWIN HALL)	986 FOREST RD (BALDWIN HALL)	I-95
<b>Site City</b>	New Haven	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven
<b>Site ZIP</b>	06513				
<b>Permit Description</b>		Reconstruction of football field, including synthetic field & misc. site improvements.	Reconstruction of football field, including synthetic field & misc. site improvements.	Reconstruction of football field, including synthetic field & misc. site improvements.	State Project No. 92-649 I-95 North Bound and Long Wharf Interchange Improvements. (New Haven, CT.)
<b>Status</b>	Active	Active	Active	Active	Active
<b>Issued Date</b>	2/8/2013	3/20/2013	3/20/2013	3/20/2013	4/10/2013
<b>Expire Date</b>	9/30/2016	2/1/2014	2/1/2014	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	104 John W Murphy Dr	7 Partridge Ln	1 Dundee Park Dr Suite 4	986 Forest Rd	2110 Silas Deane Hwy
<b>Affiliate City</b>	New Haven	Middletown	Andover	New Haven	Rocky Hill
<b>Affiliate State</b>	CT	CT	MA	CT	CT
<b>Affiliate ZIP</b>	06513	06457	01810	06515	06067
					06511

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM NOSAL BUILDERS, INC.	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM EARTHWORKS EXCAVATING & LANDSCAPING INC.	STORM A. Secondido & Son , Inc.	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM NORTH HAVEN COMMONS, LLC
Client						
Permit ID	GSN002459	GSN002459	GSN002469	GSN002469	GSN002490	GSN001737
Permit El Type	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres
App ID	201302270	201302270	201303000	201303000	201303305	200702326
Site Name	DOT NEW HAVEN BOULEVARD MAINTENANCE FACILITY	DOT NEW HAVEN BOULEVARD MAINTENANCE FACILITY	THE CONNECTICUT AG EXPERIMENT STATION	THE CONNECTICUT AG EXPERIMENT STATION	I-95 over West River	NORTH HAVEN COMMONS
Site Address Line 1	35 SEA ST	35 SEA ST	123 HUNTINGTON ST	123 HUNTINGTON ST	I-95 over West River	240-300 UNIVERSAL DRIVE NORTH
Site City	NEW HAVEN	NEW HAVEN	NEW HAVEN	NEW HAVEN	New Haven	NEW HAVEN
Site ZIP	06519	06519	06511	06511		06473
Permit Description	Project #92-549, Construction of new Sea Street Salt Storage Facility, New Haven	Project #92-549, Construction of new Sea Street Salt Storage Facility, New Haven	Renovation and addition to existing Jenkins Laboratory at the CT AG Experiment Station. Work includes site renovation such as new curb, pavement and sidewalk.	Renovation and addition to existing Jenkins Laboratory at the CT AG Experiment Station. Work includes site renovation such as new curb, pavement and sidewalk.	Reconstruction of I-95 over West River from Metro Bridge to Long Wharf Drive and surrounding local street, New Haven, West Haven	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES
Status	Active	Active	Active	Active	Active	Active
Issued Date	5/29/2013	5/29/2013	7/10/2013	7/10/2013	9/3/2013	11/6/2007
Expire Date	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014
Affiliate Add1	51 OZICK DRIVE, SUITE 100	140 POND LILY AVE DISTRICT 3- CONSTRUCTION	PO BOX 506	51 Sherman Hill Rd Suite 104A	424 Chapel St DISTRICT III A	17802 SKY PARK CIR
Affiliate City	DURHAM	NEW HAVEN	OXFORD	Woodbury	New Haven	IRVINE
Affiliate State	CT	CT	CT	CT	CT	CA
Affiliate ZIP	06422	06515	06478	06798	06511	92614
Program	STORM SPRING ROAD DEVELOPMENT, LLC	STORM NORTH HAVEN HOLDINGS L.P.	STORM KIMCO REALTY CORPORATION /MC CORP.	STORM KIMCO REALTY CORPORATION /MC CORP.	STORM The Castle Corp.	STORM UNITED PARCEL SERVICE, INC.
Client						
Permit ID	GSN001797	GSC000295	GSC000323	GSC000323	GSN002209	GSI000236
Permit El Type	Stormwater Construction Activities - GP- >10 Acres	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP
App ID	200702581	200903129	200602329	200602329	201103377	201104457
Site Name	SUMMER WIND ESTATES	NORTH HAVEN PAVILION	HOME DEPOT #6201	HOME DEPOT #6201	HEALTHTRAX	United Parcel Service - North Haven
Site Address Line 1	828 THOMPSON ST	UNIVERSAL DRIVE	111 UNIVERSAL DR	111 UNIVERSAL DR	8 DEVINE STREET AND 158 STATE STREET	456 SACKETT POINT RD
Site City	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
Site ZIP	06473	06473	06473	06473	06473	06473
Permit Description	20 UNITS OF ELDERLY HOUSING ON 24.146 ACRES	LOCATION: NORTH HAVEN PAVILION, UNIVERSAL DR., NORTH HAVEN, CT	HOME DEPOT PLAZA 111-555 UNIVERSAL DR., NORTH - NORTH HAVEN, CT	HOME DEPOT PLAZA 111-555 UNIVERSAL DR., NORTH - NORTH HAVEN, CT	Proposed medical office buildings - North Haven, Ct.	LOCATION: 465 SACKETT POINT RD, NORTH HAVEN, CT
Status	Active	Active	Active	Active	Active	Active
Issued Date	4/10/2008	8/27/2009	8/11/2009	8/11/2009	5/24/2011	10/1/2011
Expire Date	2/1/2014	4/30/2014	4/14/2014	4/14/2014	2/1/2014	9/30/2016
Affiliate Add1	8 PEZ CT	3 Manhattanville Rd C/O National Realty	433 S MAIN ST SUITE 322	433 S MAIN ST	200 Fisher Dr	456 SACKETT POINT RD
Affiliate City	NORTH HAVEN	PURCHASE	WEST HARTFORD	WEST HARTFORD	Avon	NORTH HAVEN
Affiliate State	CT	NY	CT	CT	CT	CT
Affiliate ZIP	06473	10577	06611	06110	06001	06473

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM AREA COOPERATIVE EDUCATIONAL SERVICES	STORM Diversified Technology Consultants, Inc.	STORM FEDERAL EXPRESS CORPORATION	STORM SMM NEW ENGLAND CORPORATION	STORM PRAXAIR SURFACE TECHNOLOGIES, INC.	STORM UNITED ALUMINUM CORPORATION
<b>Permit ID</b>	GSI002188	GSI002188	GSI000971	GSI001689	GSI001249	GSI000389
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105697	201105697	201105723	201105209	201105470	201104497
<b>Site Name</b>	ACES ACCESS AND TRANSPORTATION FACILITY	ACES ACCESS AND TRANSPORTATION FACILITY	FEDERAL EXPRESS (HVNA)	SMM NEW ENGLAND CORPORATION	PRAXAIR SURFACE TECHNOLOGIES, INC.	UNITED ALUMINUM CORPORATION
<b>Site Address Line 1</b>	60 United Dr	60 United Dr	347 STATE ST	234 UNIVERSAL DR	441 SACKETT POINT RD	100 UNITED DR
<b>Site City</b>	North Haven	North Haven	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	GSI002188	GSI002188	347 State St. North Haven, CT 06473	234 Universal Dr., North Haven, Ct		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	350 STATE ST	2321 Whitney Ave	NEWARK LIBERY INT'L AIRPORT BUILDING 347	234 UNIVERSAL DR	441 SACKETT POINT RD	100 UNITED DR
<b>Affiliate City</b>	NORTH HAVEN	HAMDEN	NEWARK	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	NJ	CT	CT	CT
<b>Affiliate ZIP</b>	06473	06518	07114	06473	06473	06473
<b>Program Client</b>	STORM O. F. MOSSBERG & SONS, INCORPORATED	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.	STORM NICOLOCK PAVING STONES OF N.E., LLC	STORM UNITED STATES SURGICAL, DIVISION OF TYCO HEALTHCARE GROUP LIMITED PARTNERSHIP	STORM TOWN OF NORTH HAVEN
<b>Permit ID</b>	GSI000458	GSI000048	GSI000048	GSI001663	GSI001416	GSI001959
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201103897	201104023	201104023	201106481	201105401	201104137
<b>Site Name</b>	O. F. MOSSBERG & SONS, INCORPORATED	NORTH HAVEN MAINTENANCE FACILITY	NORTH HAVEN MAINTENANCE FACILITY	99 STODDARD AVE	United States Surgical, Division of Tyco Healthcare Group	NORTH HAVEN WPCF
<b>Site Address Line 1</b>	7 GRASSO AVE	309 STATE ST	309 STATE ST	99 STODDARD AVE	195 MCDERMOTT RD	1122 UNIVERSAL DR N
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>				LOCATION: 99 STODDARD AVE, NORTH HAVEN, CT	Renewal Permit #GSI001416	Water Pollution Control Plant - 1122 Universal Dr. North Haven, Ct. 06473
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	12/9/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	7 Grasso Ave	2800 BERLIN TPKE; PO BOX 317546	2321 Whitney Ave	275 Sunrise Hwy	195 MCDERMOTT RD	MEMORIAL TOWN HALL 18 CHURCH ST
<b>Affiliate City</b>	North Haven	NEWINGTON	HAMDEN	Lindenhurst	NORTH HAVEN	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	CT	NY	CT	CT
<b>Affiliate ZIP</b>	06473	06131	06518	11757	06473	06473

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM TOWN OF NORTH HAVEN	STORM TOWN OF NORTH HAVEN	STORM TOWN OF NORTH HAVEN	STORM WOODARD & CURRAN INC.	STORM PHARMACIA & UPJOHN COMPANY LLC	STORM CONNECTICUT CONTAINER CORP.
<b>Permit ID</b>	GSI000874	GSI000873	GSI000872	GSI000143	GSI000143	GSI001842
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201104138	201104139	201104140	201104221	201104221	201104309
<b>Site Name</b>	Town of North Haven Recycling Center	NORTH HAVEN PUBLIC WORKS GARAGE	NORTH HAVEN TRANSFER STATION	PHARMACIA & UPJOHN COMPANY	PHARMACIA & UPJOHN COMPANY	CONNECTICUT CONTAINER CORPORATION
<b>Site Address Line 1</b>	24 ELM STREET	110 ELM ST	1122 Universal Dr N	41 STILES LN	41 STILES LN	455 SACKETT POINT RD
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	North Haven	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>	Recycling Center - 24 Elm St. North Haven, Ct. 06473	Public Works Garage	Transfer Station - 1122 Universal Dr. North Haven, Ct.			
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	18' CHURCH ST	18' CHURCH ST	18' CHURCH ST	1520 HIGHLAND AVE	100 ROUTE 206 NORTH C/O PFIZER INC	455 SACKETT POINT RD
<b>Affiliate City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	CHESHIRE	PEAPACK	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	NJ	CT
<b>Affiliate ZIP</b>	06473	06473	06473	06410	07797	06473
<b>Program Client</b>	STORM FACILITY SUPPORT SERVICES, LLC	STORM GZA GEOENVIRONMENTAL, INC.	STORM SAFT AMERICAN, INC.	STORM TILCON CONNECTICUT INC.	STORM PARKER HANNIFIN CORPORATION	STORM PENNANT FOODS CO
<b>Permit ID</b>	GSI001842	GSI001489	GSI001489	GSI000578	GSE000103	GSI001735
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities GP No Exposure Certification	Stormwater Industrial Activities - GP
<b>App ID</b>	201104309	201104328	201104328	201104936	201105819	200902858
<b>Site Name</b>	CONNECTICUT CONTAINER CORPORATION	SAFT AMERICA, INC.	SAFT AMERICA, INC.	TILCON CONNECTICUT, INC. (North Haven)	PARKER HANNIFIN CORPORATION:APBU	PENNANT FOODS COMPANY, LLC
<b>Site Address Line 1</b>	455 SACKETT POINT RD	3 POWDERED METALS DRIVE	3 POWDERED METALS DRIVE	377 SACKETT POINT RD	33 DEFCO PARK RD	1000 UNIVERSAL DR N
<b>Site City</b>	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN	NORTH HAVEN
<b>Site ZIP</b>	06473	06473	06473	06473	06473	06473
<b>Permit Description</b>				North Haven Plant - 377 Sackett Point North Haven, Ct.		LOCATION: 1000 UNIVERSAL DRIVE NORTH - NORTH HAVEN, CT
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	7/24/2009
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	2685 STATE ST	655 Winding Brook Dr Suite 402	3 POWDERED METALS DR	BLACKROCK AVE, PO BOX 1357	33 DEFCO PARK RD	1000 UNIVERSAL DR N
<b>Affiliate City</b>	HAMDEN	Glastonbury	NORTH HAVEN	NEW BRITAIN	NORTH HAVEN	NORTH HAVEN
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06517	06033	06473	06050	06473	06473

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM TRANSFLO Terminal Services, Inc.	STORM GE CONSULTANTS, INC.	STORM VALLEY SAND & GRAVEL CORPORATION	STORM HAYNES MATERIALS COMPANY	STORM R.J. O'Connell & Associates
<b>Permit ID</b>	GSI002200	GSI001635	GSI001635	GSI002606	GSN002489
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities GP- 5 - 10 Acres
<b>App ID</b>	201206207	201206415	201206415	201301939	201303877
<b>Site Name</b>	North Haven Transflo Terminal	VALLEY SAND & GRAVEL CORPORATION	VALLEY SAND & GRAVEL CORPORATION	99 STODDARD AVE	PRATT & WHITNEY
<b>Site Address Line 1</b>	110 UNIVERSAL DR	400 N FRONTAGE RD	400 N FRONTAGE RD	99 STODDARD AVE	415 WASHINGTON AVE
<b>Site City Site ZIP</b>	NORTH HAVEN 06473	NORTH HAVEN 06473	NORTH HAVEN 06473	NORTH HAVEN 06473	NORTH HAVEN 06473
<b>Permit Description</b>	Renewal Permit #GSI001635, 400 N Frontage St., North Haven	Renewal Permit #GSI001635, 400 N Frontage St., North Haven			THE DEMOLITION OF APPROXIMATELY 1.4 MILLION SF OF EXISTING BUILDINGS WITH NO PROPOSED EARTH DISTURBING ACTIVITIES. PRATT & WHITNEY DEMOLITION, 415 WASHINGTON AVE., NORTH HAVEN
<b>Status Issued Date Expire Date</b>	Active 12/11/2012	Active 1/1/2013	Active 1/1/2013	Active 7/19/2013	Active 9/3/2013
<b>Affiliate Add1</b>	9/30/2016 500 Wafer St J975	9/30/2016 455 Winding Brook Dr Suite 200	9/30/2016 150 Universal Dr, Rear	9/30/2016 32 Progress Ave	2/1/2014 80 Montvale Ave Suite 201
<b>Affiliate City Affiliate State Affiliate ZIP</b>	Jacksonville FL 32202	Glastonbury CT 06033	North Haven CT 06473	Seymour CT 06483	Stoneham MA 02180
<b>Program Client</b>	STORM BOSTON ENVIRONMENTAL CORP.	STORM PLAINVILLE DEVELOPMENT, L.P.	STORM LOWES HOME CENTERS, INC.	STORM JNS DEVELOPMENT	STORM JNS DEVELOPMENT
<b>Permit ID</b>	GSN002489	GSC000154	GSC000262	GSN002197	GSN002197
<b>Permit El Type</b>	Stormwater Construction Activities GP- 5 - 10 Acres	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres
<b>App ID</b>	201303877	200903305	200903636	200601545	200601545
<b>Site Name</b>	PRATT & WHITNEY	DEVELOPERS DIVERSIFIED REALTY CORP.	LOWE'S HOME CENTERS, INC.	HIGH MEADOW	HIGH MEADOW
<b>Site Address Line 1</b>	415 WASHINGTON AVE	282 NEW BRITAIN AVE	246 NEW BRITAIN AVE	UPPER & LOWER CAMP STREET	UPPER & LOWER CAMP STREET
<b>Site City Site ZIP</b>	NORTH HAVEN 06473	PLAINVILLE 06062	PLAINVILLE 06062	PLAINVILLE 06062	PLAINVILLE 06062
<b>Permit Description</b>	THE DEMOLITION OF APPROXIMATELY 1.4 MILLION SF OF EXISTING BUILDINGS WITH NO PROPOSED EARTH DISTURBING ACTIVITIES. PRATT & WHITNEY DEMOLITION, 415 WASHINGTON AVE., NORTH HAVEN	LOCATION: DEVELOPERS DIVERSIFIED REALTY CORP. - 282 NEW BRITAIN AVE., PLAINVILLE, CT	Lowe's Home Centers, Inc. # 0650- (246 New Britain Ave, Plainville, Ct.)	THE CONSTRUCTION OF 116 RESIDENTIAL UNITS	THE CONSTRUCTION OF 116 RESIDENTIAL UNITS
<b>Status Issued Date Expire Date</b>	Active 9/3/2013	Active 9/16/2009	Active 11/4/2009	Active 4/15/2011	Active 4/15/2011
<b>Affiliate Add1</b>	2/1/2014 338 Howard St	4/30/2014 3330 ENTERPRISE PKWY	4/30/2014 EAST DOCK HWY 268 EAST	2/1/2014 143 W MAIN ST	2/1/2014 143 W MAIN ST
<b>Affiliate City Affiliate State Affiliate ZIP</b>	Brockton MA 02302	BEACHWOOD OH 44122	NORTH WILKESBORO NC 28659	PLAINVILLE CT 06062	PLAINVILLE CT 06062

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM TOWN OF PLAINVILLE	STORM WASHINGTON CONCRETE PRODUCTS, INC.	STORM MONARCH ENVIRONMENTAL, LLC	STORM MW Industries Inc	STORM FABTRON PRECISION METAL FABRICATION, INC.	STORM GEMS SENSORS & CONTROLS INC
Client						
Permit ID	GSI001368	GSI000441	GSI000441	GSE000096	GSI001937	GSI001360
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105377	201105109	201105109	201105694	201105293	201105299
Site Name	NORTON PARK MAINTENANCE FACILITY	WASHINGTON CONCRETE PRODUCTS, INC.	WASHINGTON CONCRETE PRODUCTS, INC.	THE PECK SPRING COMPANY	FABTRON PRECISION SHEET METAL FABRICATION PRODUCTS	Gems Sensors & Controls
Site Address Line 1	197 S WASHINGTON ST	328 S WASHINGTON ST	328 S WASHINGTON ST	89 WHITING ST	80 FARMINGTON VALLEY DR	1 COWLES RD
Site City	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
Site ZIP	06062	06062	06062	06062	06062	06062
Permit Description	Permit Renewal #GSI001368, Norton Park Maintenance Facility, 197 South Washington	328 South Washington Street. Plainville, CT 06062	328 South Washington Street. Plainville, CT 06062	Peck Spring Division 89	80 FARMINGTON VALLEY DR	1 COWLES RD
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	1 CENTRAL SQ	PO BOX 176	143 OLD MARLBOROUGH TPKE	89 WHITING ST	80 FARMINGTON VALLEY DR	1 COWLES RD
Affiliate City	PLAINVILLE	PLAINVILLE	PORLTAND	Plainville	PLAINVILLE	PLAINVILLE
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06062	06062	06480	06062	06062	06062
Program	STORM PLAINVILLE PLATING COMPANY, INC.	STORM DATTCO, INC.	STORM CARLING TECHNOLOGIES, INC.	STORM Mott Corporation	STORM A. AUDI AND SONS, INC.	STORM TILCON CONNECTICUT INC.
Client						
Permit ID	GSI000201	GSI002279	GSI001762	GSE000115	GSI001128	GSI000573
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201103623	201104489	201104499	201106266	201104805	201104910
Site Name	PLAINVILLE PLATING COMPANY	DATTCO PLAINVILLE TERMINAL	CARLING TECHNOLOGIES, INC.	MOTT METALLURGICAL CORP.	A. AUDI & SONS, LLC	TILCON CONNECTICUT, INC.
Site Address Line 1	21 FORESTVILLE AVE	63 S Canal St	60 JOHNSON AVE	75 SPRING ST	190 CAMP ST	NEW BRITAIN AVENUE
Site City	PLAINVILLE	Plainville	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
Site ZIP	06062	06062	06062	06062	06062	06062
Permit Description	LOCATION: 63 SOUTH CANAL ST., PLAINVILLE					Tilcon Connecticut Inc. - Plainville (North) Facility - 300 Woodford Ave. Plainville, Ct. 06062
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	21 FORESTVILLE AVE	583 SOUTH ST	60 JOHNSON AVE	84 Spring Ln.	PO Box 279; 190 Camp St	BLACKROCK AVE; PO BOX 1357
Affiliate City	PLAINVILLE	NEW BRITAIN	PLAINVILLE	Farmington	Plainville	NEW BRITAIN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06062	06051	06062	06032	06062	06050

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM TILCON CONNECTICUT INC.	STORM CONECO Engineers INC.	STORM J. W. GREEN COMPANY, INC.	STORM TOWN OF PLAINVILLE	STORM CONNECTICUT TOOL & MANUFACTURING, INC.	STORM TOWN OF PLAINVILLE
<b>Permit ID</b>	GSI000579	GSI000658	GSI000658	GSI001617	GSE000146	GSI000778
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities - GP-No Exposure Certification	Stormwater Industrial Activities - GP
<b>App ID</b>	201104912	201106747	201106747	201104802	201106951	201105353
<b>Site Name</b>	TILCON PLAINVILLE QUARRY & PLANT FACILITY	JW Green Company, Inc.	JW Green Company, Inc.	PLAINVILLE WPCF	CONNECTICUT TOOL & MANUFACTURING COMPANY, LLC	PLAINVILLE PUBLIC WORKS
<b>Site Address Line 1</b>	300 WOODFORD AVE	276 S WASHINGTON ST	276 S WASHINGTON ST	CRONK ROAD	35 CORPORATE AVE	23 GRANGER LN
<b>Site City</b>	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
<b>Site Zip</b>	06062	06062	06062	06062	06062	06062
<b>Permit Description</b>						Plainville Landfill and Roadway Facility - Grange Ln Plainville, Ct.
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	1/3/2012	1/3/2012	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	BLACKROCK AVE; PO BOX 1357	90 National Dr	276 SOUTH WASHINGTON ST	1 CENTRAL SQ	35 CORPORATE AVE	1 CENTRAL SQ
<b>Affiliate City</b>	NEW BRITAIN	Glastonbury	PLAINVILLE	PLAINVILLE	PLAINVILLE	PLAINVILLE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06050	06033	06062	06062	06062	06062
<b>Program Client</b>	STORM PHOENIX SOIL, LIMITED LIABILITY COMPANY	STORM Hrica Associates, LLC	STORM PHOENIX SOIL, LIMITED LIABILITY COMPANY	STORM GZA GEOENVIRONMENTAL, INC.	STORM TORREY S. CRANE COMPANY	STORM J. J. RYAN CORPORATION
<b>Permit ID</b>	GSI002378	GSI002378	GSI002613	GSI000369	GSI000369	GSI000195
<b>Permit El Type</b>	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201206178	201206178	201302277	201105840	201105840	201103899
<b>Site Name</b>	Phoenix Soil, LLC	Phoenix Soil, LLC	Phoenix Soil, LLC	TORREY S. CRANE COMPANY	TORREY S. CRANE COMPANY	J.J. RYAN CORPORATION
<b>Site Address Line 1</b>	58 N Washington St	58 N Washington St	58 N Washington St	492 SUMMER ST	492 SUMMER ST	355 ATWATER ST
<b>Site City</b>	Plainville	Plainville	Plainville	PLANTSVILLE	PLANTSVILLE	PLANTSVILLE
<b>Site Zip</b>	06062	06062	06062	06479	06479	06479
<b>Permit Description</b>	Proposed Phoenix Soil, LLC Site - 58 North Washington St. Plainville, CT. 06062	Proposed Phoenix Soil, LLC Site - 58 North Washington St. Plainville, CT. 06062		Renewal Permit #GSI000369, 492 Summer St., Plantsville	Renewal Permit #GSI000369, 492 Summer St., Plantsville	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	9/18/2012	9/18/2012	8/9/2013	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	2/1/2014	2/1/2014	9/30/2016	8/30/2016	8/30/2016	9/30/2016
<b>Affiliate Add1</b>	PO BOX 1750	PO Box 1861; 44 Maple View Trail	58 N Washington St	655 Winding Brook Dr Suite 402	PO Box 374	335 ATWATER ST; PO BOX 39
<b>Affiliate City</b>	WATERBURY	Litchfield	Plainville	Glastonbury	Plantsville	SOUTHBURY
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06721	06759	06062	06033	06479	06489

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM CONNECTICUT TESTING LABORATORY, INC.	STORM THE F & F CONCRETE CORPORATION,	STORM SUPREME LAKE MFG., INC.	STORM NEW PENN MOTOR EXPRESS, INC.	STORM TOWN OF SOUTHBURY	STORM TOWN OF SOUTHBURY
<b>Permit ID</b>	GSI000219	GSI000219	GSI000315	GSI000674	GSI002436	GSI001922
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP
<b>App ID</b>	201105333	201105333	201200959	201206293	201301672	201301150
<b>Site Name</b>	THE F & F CONCRETE CORPORATION	THE F & F CONCRETE CORPORATION	SUPREME LAKE MFG., INC.	NEW PENN MOTOR EXPRESS, INC.	KENNEDY JUNIOR HIGH SCHOOL	SOUTHBURY SEWAGE TREATMENT PLANT
<b>Site Address Line 1</b>	110 W MAIN ST	110 W MAIN ST	455 ATWATER ST	130 CANAL ST	1071 S Main St	999 Meriden Waterbury Tpk
<b>Site City</b>	PLANTSVILLE	PLANTSVILLE	PLANTSVILLE	PLANTSVILLE	Plantsville	Plantsville
<b>Site ZIP</b>	06479	06479	06479	06479	06479	06479
<b>Permit Description</b>	Renewal Permit #GSI000219	Renewal Permit #GSI000219		130 Canal Street Southington, CT. 06489	Renovations to existing middle school ( 1071 SOUTH MAIN ST, PLANTSVILLE) including expansion & reconfigured parking lots.	
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	6/1/2012	12/19/2012	4/5/2013	6/1/2013
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014	9/30/2016
<b>Affiliate Add1</b>	140 GRACEY AVE	110 W MAIN ST	PO BOX 19, 455 ATWATER ST	557 E Tallmadge Ave	196 N Main St	WPCF - 999 Meriden Waterbury Tpk
<b>Affiliate City</b>	MERIDEN	PLANTSVILLE	PLANTSVILLE	Akron	Southington	Plantsville
<b>Affiliate State</b>	CT	CT	CT	OH	CT	CT
<b>Affiliate ZIP</b>	06451	06479	06479	44310	06489	06479
<b>Program Client</b>	STORM TOLL BROS., INC.	STORM FINNO DEVELOPMENT INC.	STORM GIUSEPPE GELOSO	STORM VILLA ROSA	STORM Ø & G INDUSTRIES, INC.	
<b>Permit ID</b>	GSI001598	GSI001653	GSI002122	GSI002122	GSI001081	
<b>Permit El Type</b>	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Industrial Activities - GP	
<b>App ID</b>	200602842	200701202	201003054	201003054	201104881	
<b>Site Name</b>	PROSPECT COMMONS	COUNTRY HILLS ESTATES	Villa Rosa Banquet Facility	Villa Rosa Banquet Facility	Ø & G PROSPECT QUARRY	
<b>Site Address Line 1</b>	SCOTT ROAD	COOK ROAD	157 Waterbury Rd	157 Waterbury Rd	SALEM ROAD	
<b>Site City</b>	PROSPECT	PROSPECT	Prospect	Prospect	PROSPECT	
<b>Site ZIP</b>	06712	06712	06712	06712	06712	LOCATION: SALEM RD., PROSPECT
<b>Permit Description</b>	STORMWATER & DEWATERING /CONSTRUCTION OF "PROSPECT COMMONS", AN ELDERLY HOUSING DEVELOPMENT	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES (PROJECT NAME COUNTRY HILLS ESTATES COOK RD PROSPECT, CT)				
<b>Status</b>	Active	Active	Active	Active	Active	
<b>Issued Date</b>	2/22/2007	6/15/2007	7/20/2010	7/20/2010	10/1/2011	
<b>Expire Date</b>	2/1/2014	2/1/2014	2/1/2014	2/1/2014	9/30/2016	
<b>Affiliate Add1</b>	53' CHURCH HILL RD	64 WARREN GLEN RD	910 Sheppard Ave	380 Farmwood Rd	112 WALL ST	
<b>Affiliate City</b>	NEWTOWN	BURLINGTON	Hamden	Waterbury	TORRINGTON	
<b>Affiliate State</b>	CT	CT	CT	CT	CT	
<b>Affiliate ZIP</b>	06470	06013	06514	06704	06790	

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM POLAR INDUSTRIES INC	STORM POLAR INDUSTRIES INC	STORM TOWN OF PROSPECT	STORM TOWN OF PROSPECT	STORM GM2 ASSOCIATES, INC.	STORM REGIONAL SCHOOL DISTRICT #16
Client						
Permit ID	GSE000168	GSE000167	GSI000929	GSI000930	GSN002468	GSN002468
Permit El Type	Stormwater Associated With Industrial Activities GP No Exposure Certification	Stormwater Associated With Industrial Activities GP No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres
App ID	201204726	201204728	201206264	201206321	201302867	201302867
Site Name	Polar Industries Inc.	207 New Haven Rd	PROSPECT TRANSFER STATION	PROSPECT PUBLIC WORKS GARAGE	REGIONAL SCHOOL DISTRICT #16 ELEMENTARY SCHOOL	REGIONAL SCHOOL DISTRICT #16 ELEMENTARY SCHOOL
Site Address Line 1	32 GRAMAR AVE	207 NEW HAVEN RD	157 PLANK RD	221 CHESHIRE RD	75 New Haven Rd	75 New Haven Rd
Site City	PROSPECT	PROSPECT	PROSPECT	PROSPECT	Prospect	Prospect
Site ZIP	06712	06712	06712	06712	06712	06712
Permit Description	LOCATION: 207 NEW HAVEN RD., PROSPECT., CT		Prospect Transfer Station - 157 Plank Rd. Prospect, CT 06712		Proposed Pre K-5 school on previously undeveloped site.	Proposed Pre K-5 school on previously undeveloped site.
Status	Active	Active	Active	Active	Active	Active
Issued Date	6/26/2012	6/26/2012	12/18/2012	12/24/2012	7/2/2013	7/2/2013
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014	2/1/2014
Affiliate Add1	32 GRAMAR AVE	32 GRAMAR AVE	TOWN OFFICE BLDG	TOWN OFFICE BLDG	115 Glastonbury Blvd	207 NEW HAVEN RD
Affiliate City	PROSPECT	PROSPECT	PROSPECT	PROSPECT	Glastonbury	PROSPECT
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06712	06712	06712	06712	06033	06712
Program	STORM NORTHSTAR PROPERTIES	STORM CENTRAL CONNECTICUT CONTRACTORS, LLC	STORM CARPENTER REALTY COMPANY	STORM HOME DEPOT U. S. A. INC.	STORM HOME DEPOT U. S. A. INC.	STORM YARDE METALS, INC.
Client						
Permit ID	GSN001686	GSN001802	GSI001875	GSC000329	GSC000329	GSC000342
Permit El Type	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity - Stormwater
App ID	200701782	200800744	200800752	200602749	200602749	200701046
Site Name	DUKSA CENTER	CENTRAL CT. INDUSTRIAL PARK	STRAWBERRY FIELDS	Home Depot, The store #6235	Home Depot, The store #6235	YARDE METALS, INC.
Site Address Line 1	EXECUTIVE BOULEVARD SOUTH	CAPTAIN LEWIS DR & TOWNLINE ROAD	TOWNLINE ROAD & BIRCH STREET	1816 Waterbury Meriden Turnpike	1816 Waterbury Meriden Turnpike	45 NEWELL ST
Site City	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	Southington	Southington	SOUTHBINGTON
Site ZIP	06489	06489	06489	06489	06489	06489
Permit Description	DEVELOPMENT OF A MULTI-USE RETAIL CENTER	PROPOSED TWENTY (20) LOT SUBDIVISION	STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES-W/ REVIEW PLAN-STRAWBERRY FIELDS-SOUTHBINGTON	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY (YARDE METALS, INC. 45 NEWELL ST.SOUTHBINGTON,CT)
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/2/2007	4/21/2008	8/6/2008	8/12/2009	8/12/2009	8/14/2009
Expire Date	2/1/2014	2/1/2014	2/1/2014	4/30/2014	4/30/2014	4/30/2014
Affiliate Add1	532 PAGE ST C/O NORTHSTAR CENTERS, LLC	PO BOX 652	PO BOX 176	1816 WATERBURY MERIDEN TPKE	1816 WATERBURY MERIDEN TURNPIKE	45 NEWELL ST
Affiliate City	STOUGHTON	MARION	BRISTOL	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON
Affiliate State	MA	CT	CT	CT	CT	CT
Affiliate ZIP	02072	06444	06011	06489	06489	06489

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM YARDE METALS, INC.	STORM THE STOP & SHOP SUPERMARKET COMPANY LLC	STORM HOME DEPOT U. S. A., INC.	STORM WEST RAC CONTRACTING CORP.	STORM BJ'S WHOLESALE CLUB, INC.
Client					
Permit ID	GSC000342	GSC000098	GSC000195	GSN002101	GSN002127
Permit El Type	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Commercial Activity - Stormwater	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
App ID	200701046	200903377	200904046	201002969	201005014
Site Name	YARDE METALS, INC.	STOP & SHOP STORE #684	HOME DEPOT #6208	Yarde Metals, Inc.	BJ'S WAREHOUSE CLUB
Site Address Line 1	45 NEWELL ST	505 N MAIN ST	89 INTERSTATE PARK DR	189 Newell St	SPRING STREET
Site City	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	Southington	SOUTHINGTON
Site ZIP	06489	06489	06489	06489	06489
Permit Description	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY (YARDE METALS, INC. 45 NEWELL ST.SOUTHINGTON,CT)	LOCATION: STORE# 684@ 505 NORTH MAIN ST., RTE. 10 SOUTHTON, CT 06489	The Home Depot# 6208 (89 Interstate Park Drive Southington, Ct. 06489)	DEVELOPMENT OF A LARGE ONE STORY INDUSRTIAL BUILDING FOR YARDE METALS,INC-189 NEWELL ST., SOUTHTON	Construction of BJ's Gas Station with 6 pumps, canopy, Kiosk, and associated parking. Southington, Ct.
Status	Active	Active	Active	Active	Active
Issued Date	8/14/2009	9/23/2009	1/6/2010	5/24/2010	8/9/2010
Expire Date	4/30/2014	4/30/2014	4/30/2014	2/1/2014	2/1/2014
Affiliate Add1	45 NEWELL ST	1385 HANCOCK ST	2455 Paces Ferry Road, Building D-17	687 Old Willets Path	1 Mercer Rd; P.O. Box 9601
Affiliate City	SOUTHINGTON	QUINCY	Atlanta	Hauppauge	Natick
Affiliate State	CT	MA	GA	NY	MA
Affiliate ZIP	06489	02169	30339	11788	01760
Program	STORM THE S. CARPENTER CONSTRUCTION COMPANY	STORM DBF, LLC	STORM BAGNO, LLC	STORM LOWE'S HOME CENTERS INC	
Client					
Permit ID	GSC002205	GSN002213	GSN002213	GSC000385	
Permit El Type	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Commercial Activity - Stormwater	
App ID	201102812	201102917	201102917	200900569	LOWE'S OF SOUTHTON #2910
Site Name	SOUTH FARMS RESUBDIVISION	PINE HOLLOW ESTATES SECTION 2 & 3	PINE HOLLOW ESTATES SECTION 2 & 3		
Site Address Line 1	149 LAZY LANE	WEST PINES DRIVE	WEST PINES DRIVE	500 Executive Blvd	
Site City	SOUTHINGTON	SOUTHINGTON	SOUTHINGTON	Southington	
Site ZIP	06489	06489	06489	06489	
Permit Description	SUBDIVISION CONSTRUCTION TO INCLUDE DRAINAGE SYSTEM WITH WATER QUALITY BASIN, ROADWAY WITH WATER & SEWER.	RESIDENTIAL SUBDIVISION WITH ROADWAY, DRAINAGE, SEPTIC & WATER MAIN CONSTRUCTION FOR 27 LOTS.	RESIDENTIAL SUBDIVISION WITH ROADWAY, DRAINAGE, SEPTIC & WATER MAIN CONSTRUCTION FOR 27 LOTS.	Stormwater Discharge Associated With Commercial Activity   THIS PROJECT WILL CONSIST OF THE DEMOLITION OF EXISTING BUILDINGS AND THE CONSTRUCTION OF A LOWE'S HOME IMPROVEMENT CENTER, UTILITIES & ASSOCIATED PARKING	
Status	Active	Active	Active	Active	
Issued Date	5/19/2011	6/7/2011	6/7/2011	2/26/2009	
Expire Date	2/1/2014	2/1/2014	2/1/2014	4/30/2014	
Affiliate Add1	67 Race St	55 LAKE ST	888 W Queen St	1605 CURTIS BRIDGE RD #FMN6, REEC DOCK	
Affiliate City	Bristol	EASTFORD	Southington	WILKESBORO	
Affiliate State	CT	CT	CT	NC	
Affiliate ZIP	06010	06242	06489	28697	

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM SOUTHBINGTON TOOL & MANUFACTURING CORPORATION	STORM TOWN OF SOUTHBINGTON	STORM REM CHEMICALS, INC.	STORM SMITHS MEDICAL ASD, INC.	STORM CHUCK & EDDIE'S USED AUTO PARTS	STORM ECONOMY SPRING & STAMPING COMPANY
<b>Permit ID</b>	GSE000097	GSI000839	GSI000455	GSI001922	GSI002157	GSI000380
<b>Permit El Type</b>	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105738	201104537	201105484	201104702	201103898	201103903
<b>Site Name</b>	SOUTHBINGTON TOOL & MANUFACTURING CO	SOUTHBINGTON TRANSFER STATION & HIGHWAY GARAGE AND SALT	REM CHEMICALS, INC.	SMITHS MEDICAL ASD, INC.	CHUCK & EDDIE'S USED AUTO PARTS	ECONOMY SPRING AND STAMPING COMPANY
<b>Site Address Line 1</b>	300 ATWATER STREET	540 OLD TURNPIKE RD	325 W QUEEN ST	201 W QUEEN ST	450 OLD TURNPIKE ROAD	29 DEPAOLO DR
<b>Site City</b>	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON
<b>Site ZIP</b>	06489	06489	06489	06489	06489	06489
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	300 ATWATER ST	75 Main St.	325 W QUEEN ST	201 W QUEEN ST	450 OLD TURNPIKE RD	PO BOX 651
<b>Affiliate City</b>	PLANTSVILLE	Southington	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06479	06489	06489	06489	06489	06489
<b>Program Client</b>	STORM NORTHEASTERN SHAPED WIRE, INC.	STORM UYEMURA INTERNATIONAL CORPORATION	STORM DIVERSIFIED ENVIRONMENTAL SERVICES, INC.	STORM DON STEVENS TIRE COMPANY, INC.	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.
<b>Permit ID</b>	GSI001020	GSI001173	GSI000152	GSI000152	GSI000062	GSI000062
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201104810	201103942	201104849	201104849	201104047	201104047
<b>Site Name</b>	NORTHEASTERN SHAPED WIRE, INC.	UYEMURA INTERNATIONAL CORP, UTC TECHNICAL CTR	DON STEVENS TIRE COMPANY, INC.	DON STEVENS TIRE COMPANY, INC.	SOUTHBINGTON MAINTENANCE GARAGE	SOUTHBINGTON MAINTENANCE GARAGE
<b>Site Address Line 1</b>	411 N MAIN ST	240 TOWN LINE RD	60 CURTISS ST	60 CURTISS ST	476 MULBERRY STREET	476 MULBERRY STREET
<b>Site City</b>	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON
<b>Site ZIP</b>	06489	06489	06489	06489		
<b>Permit Description</b>						
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	411 N MAIN ST	240 TOWN LINE RD	806 west queen st	60 CURTISS ST	2800 BERLIN TPKE; PO BOX 317546	2321 Whitney Ave
<b>Affiliate City</b>	SOUTHBINGTON	SOUTHBINGTON	southington	SOUTHBINGTON	NEWINGTON	Hamden
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06489	06489	06489	06489	06131	06518

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM DIVERSIFIED ENVIRONMENTAL SERVICES, INC.	STORM A. DUIE PYLE COMPANIES	STORM LIGHT METALS COLORING COMPANY, INC.	STORM TILCON CONNECTICUT INC.	STORM Centurion Properties LLC	STORM Hillcrest Orchards, LLC
<b>Permit ID</b>	GSI001619	GSI001619	GSI000384	GSI000581	GSN002290	GSN002003
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- >10 Acres
<b>App ID</b>	201104856	201104856	201105260	201104935	201200405	200902934
<b>Site Name</b>	A. DUIE PYLE COMPANIES	A. DUIE PYLE COMPANIES	LIGHT METALS COLORING COMPANY, INCORPORATED	SOUTHBINGTON SAND & GRAVEL PLANT	Medical building	Hillcrest Orchards
<b>Site Address Line 1</b>	87 AIRCRAFT RD	87 AIRCRAFT RD	270 SPRING ST	DEPALO DRIVE	1115 West St	508 Meriden Waterbury Tpke
<b>Site City</b>	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	SOUTHBINGTON	Southington	Southington
<b>Site ZIP</b>	06489	06489	06489	06489	06489	06489
<b>Permit Description</b>	po box 564 west chester	po box 564 west chester	GS1000384	Southington Plant - West Queen St. Southington, Ct. 06489	Medical building with associated parking and utilities - Southington, Ct.	New Construction - 214 unit affordable housing project (Southington, Ct)
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	2/24/2012	8/5/2009
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	806 west queen st	PO BOX 564	270 SPRING ST	BLACK ROCK AVE; PO BOX 1357	710 Main St Bldg. 3 Suite 11	508 Meriden Waterbury Tpke
<b>Affiliate City</b>	southington	WEST CHESTER	SOUTHBINGTON	NEW BRITAIN	Plantsville	Southington
<b>Affiliate State</b>	CT	PA	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06489	19381	06489	06050	06479	06489
<b>Program Client</b>	STORM KRATZERT, JONES & ASSOCIATES INC	STORM TOLL BROS., INC.	STORM LOVLEY DEVELOPMENT, INC	STORM TOWN OF SOUTHBINGTON	STORM AA DENORFIA BUILDING & DEVELOPMENT, LLC	STORM HARRY E. COLE & SON
<b>Permit ID</b>	GSN002352	GSN002352	GSN002356	GSN002367	GSN002407	GSN002407
<b>Permit El Type</b>	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
<b>App ID</b>	201205548	201205548	201205774	201205925	201300190	201300190
<b>Site Name</b>	BLOCHER FARM ESTATES	BLOCHER FARM ESTATES	ESTATES AT GLEN EAGLES	MT. VERNON ROAD, STATE PROJECT # 131-198	WALKER'S CROSSING	WALKER'S CROSSING
<b>Site Address Line 1</b>	1012 Savage St	1012 Savage St	593 Flanders Rd	MT. VERNON ROAD AND W. CENTER STREET	59 Summit St	59 Summit St
<b>Site City</b>	Southington	Southington	Southington	SOUTHBINGTON	Southington	Southington
<b>Site ZIP</b>	06489	06489	06489	06489	06489	06489
<b>Permit Description</b>	Blocher Farm Estates, 1012 Savage St., Southington	Blocher Farm Estates, 1012 Savage St., Southington	Estate at Glen Eagles, 13 lot Residential Subdivision with new roads and houses - 593 Flanders Rd., Southington, CT	Reconstruction of MT. Vernon Road West Center Street to Roaring Brook Drive (Southington, CT.)	Development of 18 lot subdivision in Southington, CT.	Development of 18 lot subdivision in Southington, CT.
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	8/1/2012	8/1/2012	8/6/2012	8/24/2012	1/25/2013	1/25/2013
<b>Expire Date</b>	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014
<b>Affiliate Add1</b>	PO Box 337; 1755 RT 322	53 CHURCH HILL RD	710 Main St - Suite #11	75 MAIN ST	133 Main St	876 S Main St
<b>Affiliate City</b>	Middletown	NEWTOWN	Plantsville	SOUTHBINGTON	Southington	Plantsville
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06467	06470	06479	06489	06489	06479

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM LOUREIRO ENGINEERING ASSOCIATES, INC.	STORM B & R' CORPORATION	STORM TOWN OF SOUTHBINGHAM	STORM THE ASSOCIATED CONSTRUCTION COMPANY	STORM MILONE & MACBROOM, INC.	STORM ESPN, INC.
Client						
Permit ID	GSN002420	GSN002420	GSN002435	GSN002319	GSN002319	GSN002319
Permit El Type	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- >10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres
App ID	201300388	201300388	201301668	201301614	201301614	201301614
Site Name	49 DEPAOLO DRIVE	49 DEPAOLO DRIVE	DEPAOLO JUNIOR HIGH SCHOOL	ESPN SATELLITE ANTENNA TELEPORT FACILITY	ESPN SATELLITE ANTENNA TELEPORT FACILITY	ESPN SATELLITE ANTENNA TELEPORT FACILITY
Site Address Line 1	49 Depaolo Dr	49 Depaolo Dr	385 PLEASANT ST	ESPN DRIVE	ESPN DRIVE	ESPN DRIVE
Site City	Southington	Southington	SOUTHBINGHAM	SOUTHBINGHAM	SOUTHBINGHAM	SOUTHBINGHAM
Site ZIP	06489	06489	06489	06489	06489	06489
Permit Description			Renovations to existing middle school ( 385 Pleasant St., Southington) including expansion & reconfigured parking lots.	SOUTH GATE CAMPUS ACCESS AND PARKING IMPROVEMENTS, 1 ESPN DR., SOUTHBINGHAM	SOUTH GATE CAMPUS ACCESS AND PARKING IMPROVEMENTS, 1 ESPN DR., SOUTHBINGHAM	SOUTH GATE CAMPUS ACCESS AND PARKING IMPROVEMENTS, 1 ESPN DR., SOUTHBINGHAM
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/15/2013	2/15/2013	4/5/2013	4/8/2013	4/8/2013	4/8/2013
Expire Date	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014
Affiliate Add1	100 NORTHWEST DR	216 BOGUE RD	196 N Main St	1010 Wethersfield Ave Suite 304	99 REALTY DR	ESPN PLZ
Affiliate City	PLAINVILLE	HARWINTON	Southington	Hartford	CHESHIRE	BRISTOL
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06062	06791	06489	06114	06410	06010
Program	STORM YARDE METALS, INC.	STORM LOUREIRO ENGINEERING ASSOCIATES, INC.	STORM GREENE-D.H. WORONICK BUILDERS, LLC	STORM MASONICARE, INC.	STORM WORKSTAGE- CONNECTICUT, LLC	STORM LOWE'S HOME CENTERS INC
Client						
Permit ID	GSC000402	GSC000402	GSN001799	GSN001805	GSN001891	GSC000366
Permit El Type	Stormwater Commercial Activities - GP	Stormwater Commercial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Commercial Activity - Stormwater
App ID	201302969	201302969	200801024	200801141	200800945	200903029
Site Name	Yarde Metals, Inc.	Yarde Metals, Inc.	HIGH MEADOWS	MASONIC HOME & HOSPITAL	CAMPUS @ GREENHILL	Wallingford Lowe's Home Improvement Center
Site Address Line 1	189 Newell St	189 Newell St	TUTTLE AVENUE & COOK HILL ROAD	22 MASONIC AVE	110 LEIGUS RD	1094 North Colony Road
Site City	Southington	Southington	WALLINGFORD	WALLINGFORD	WALLINGFORD	Wallingford
Site ZIP	06489	06489	06492	06492	06492	06492
Permit Description	189 NEWELL ST., SOUTHBINGHAM	189 NEWELL ST., SOUTHBINGHAM	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	STORMWATER & DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	DISCHARGE OF STORMWATER & DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES	Development of Lowe's Home Improvement Center. (Wallingford, Ct)
Status	Active	Active	Active	Active	Active	Active
Issued Date	6/13/2013	6/13/2013	4/21/2008	4/28/2008	8/29/2008	8/19/2009
Expire Date	4/30/2014	4/30/2014	2/1/2014	2/1/2014	2/1/2014	4/30/2014
Affiliate Add1	45 NEWELL ST	100 NORTHWEST DR	339 BARNES RD	27 MASONIC AVE	4700 60TH ST SE	1605 CURTIS BRIDGE RD
Affiliate City	SOUTHBINGHAM	PLAINVILLE	WALLINGFORD	WALLINGFORD	GRAND RAPIDS	WILKESBORO
Affiliate State	CT	CT	CT	CT	MI	NC
Affiliate ZIP	06489	06062	06492	06492	49512	28697

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM PLAZA 15-5 L.L.C.	STORM WAL-MART STORES EAST, LP	STORM THE STOP & SHOP SUPERMARKET COMPANY LLC	STORM NEW ENGLAND EXPEDITION LLC / WALLINGFORD	STORM HOME DEPOT U. S. A. INC.	STORM TOLL BROS., INC.
Client						
Permit ID	GSC000054	GSC000276	GSC000100	GSC000119	GSC000188	GSN002156
Permit El Type	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Commercial Activities - GP	Commercial Activity Stormwater	Stormwater Construction Activities - GP- 5 - 10 Acres
App ID	200903128	200903179	200903379	200903415	200904032	201005946
Site Name	KOHL'S PLAZA	WAL-MART STORE #2371	STOP & SHOP STORE NO. 638	SHAWS SUPERMARKET	HOME DEPOT	THE ESTATES AT WALLINGFORD
Site Address Line 1	248 SOUTH BROAD STREET	844 N COLONY RD	930 N COLONY RD	11 IVES RD	1083 N COLONY RD	803 N Farms Rd
Site City	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	Wallingford
Site Zip	06492	06492	06492	06492	06492	06492
Permit Description	LOCATION: KOHL'S PLAZA, 1248 SOUTH BROAD STREET, WALLINGFORD, CT	LOCATION: WAL-MART STORE #2371 / 844 NORTH COLONY RD., WALLINGFORD, CT	LOCATION: STORE#638 @ 930 NORTH COLONY RD., WALLINGFORD, CT 06492	LOCATION: SHAWS SUPERMARKET @ 11 IVES ROAD, WALLINGFORD, CT	The Home Depot #6217 (1083 North Colony Rd. Wallingford, Ct. 06492)	29 lot open space residential subdivision.
Status	Active	Active	Active	Active	Active	Active
Issued Date	8/27/2009	9/9/2009	9/23/2009	9/29/2009	1/5/2010	11/1/2010
Expire Date	4/30/2014	4/30/2014	4/30/2014	4/30/2014	4/30/2014	2/1/2014
Affiliate Add1	3 Manhattenville Rd C/O National Realty	702 SW 8TH	1385 HANCOCK ST	97 POWERHOUSE RD	2455 Paces Ferry Road, Building D-17	53' CHURCH HILL RD
Affiliate City	PURCHASE	BENTONVILLE	QUINCY	ROSLYN HEIGHTS	Atlanta	NEWTOWN
Affiliate State	NY	AR	MA	NY	GA	CT
Affiliate Zip	10577	72716	02169	11577	30339	06470
Program	STORM SHAWMUT DESIGN & CONSTRUCTION	STORM BL COMPANIES, INC.	STORM AMETEK, INC.	STORM TOWN OF WALLINGFORD	STORM HRP ASSOCIATES, INC.	STORM TECH CIRCUIT, INC.
Client						
Permit ID	GSN002174	GSN002182	GSI000906	GSI001972	GSI000335	GSI000335
Permit El Type	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201100566	201100482	201105107	201105189	201105902	201105902
Site Name	KOHLER ENVIRONMENTAL CENTER	CVS WALLINGFORD	AMETEK, SPECIALTY METALS DIVISION	WALLINGFORD SEWAGE TREATMENT PLANT	TECH CIRCUITS, INC.	TECH CIRCUITS, INC.
Site Address Line 1	CORNER OF EAST MAIN STREET AND OLD DURHAM ROAD	865 N Colony Rd	21 TOELLES RD	155 JOHN ST	340 QUINNIPIAC ST	340 QUINNIPIAC ST
Site City	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site Zip	06492	06492	06492	06492	06492	06492
Permit Description	30,000 SF BUILDING FOR STUDENTS AND FACULTY.	DEVELOPMENT ON THE WEST SIDE OF RTE 5 IN WALLINGFORD OF A CVS PHARMACY. THE LOT SIZE IS 2.639 ACRES.		Renewal Permit #GSI001972, WPCF 155 John St., Wallingford	GSI000335	GSI000335
Status	Active	Active	Active	Active	Active	Active
Issued Date	2/23/2011	3/15/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	2/1/2014	2/1/2014	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	116 Washington Ave	355 RESEARCH PKWY	21 TOELLES RD; PO BOX 5807	WATER POLLUTION CONTROL DIVISION 155 JOHN ST	197 SCOTT SWAMP RD	SILVERSMITH PARK 340 QUINNIPIAC ST
Affiliate City	North Haven	MERIDEN	WALLINGFORD	WALLINGFORD	FARMINGTON	WALLINGFORD
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate Zip	06473	06450	06492	06492	06032	06492

#### A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM ÜBLRICH STAINLESS STEELS & SPECIAL METALS, INC.	STORM CIDRA CORPORATE SERVICES, INC.	STORM UNITED PARCEL SERVICE, INC.	STORM CONNECTICUT RESOURCES RECOVERY AUTHORITY	STORM THE L. SUZIO CONCRETE COMPANY, INC.	STORM TRITON ENVIRONMENTAL, INC.
Permit ID	GSI000508	GSI001493	GSI001085	GSI000499	GSI000940	GSI000940
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201105227	201104541	201104379	201104627	201104630	201104630
Site Name	Üblrich Stainless Steels	Cidra Corporate Services, Inc.	UPS GROUND FREIGHT, INC.	WALLINGFORD LANDFILL	WALLINGFORD BATCH PLANT	WALLINGFORD BATCH PLANT
Site Address Line 1	1 DUDLEY AVE	50 Barnes Park North	130 NORTH PLAINS	25 PENT RD	39 TOELLES RD	39 TOELLES RD
Site City	WALLINGFORD	Wallingford	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site ZIP	06492	06492	06492	06492	06492	06492
Permit Description	GSI000508			CRRA WALLINGFORD LANDFILL	39 Tolles Rd. Wallingford	39 Tolles Rd. Wallingford
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	1 DUDLEY AVE	50' BARNES PARK RD NORTH	90 LOCUST ST	6TH FLOOR 100 CONSTITUTION PLAZA	PO BOX 748	385 CHURCH ST
Affiliate City	WALLINGFORD	WALLINGFORD	HARTFORD	HARTFORD	MERIDEN	GUILFORD
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06492	06492	06114	06103	06450	06437
Program	STORM TIMES MICROWAVE SYSTEMS	STORM TIMES MICROWAVE SYSTEMS	STORM TRANSWASTE, INC	STORM FEDEX GROUND PACKAGE SYSTEM, INC	STORM PROTON ENERGY SYSTEMS, INC	
Client						
Permit ID	GSI000332	GSE000041	GSI002237	GSI002244	GSE000128	
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	
App ID	201103710	201103733	201103403	201104690	201105507	
Site Name	TIMES MICROWAVE SYSTEMS	TIMES MICROWAVE SYSTEMS WAREHOUSE	TRANSWASTE, INC.	FEDEX GROUND	PROTON ENERGY SYSTEMS, INC.	
Site Address Line 1	358 HALL AVE	22 North Plains Industrial Rd., Unit 5	3 Barker Dr	29 TOELLES ROAD	10 TECHNOLOGY DRIVE	
Site City	WALLINGFORD	Wallingford	Wallingford	WALLINGFORD	WALLINGFORD	
Site ZIP	06492	06491	06492	06492	06492	
Permit Description	PO BOX 5039; 358 HALL AVE	22 North Plains Industrial Rd., Unit 5, Wallingford	3 BARKER DR	100 FEDEX DR	10 TECHNOLOGY DR	
Status	Active	Active	Active	Active	Active	
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	
Affiliate Add1	PO BOX 5039; 358 HALL AVE	22 North Plains Industrial Rd., Unit 5, Wallingford	3 BARKER DR	100 FEDEX DR	10 TECHNOLOGY DR	
Affiliate City	WALLINGFORD	WALLINGFORD	WALLINGFORD	MOON TOWNSHIP	WALLINGFORD	
Affiliate State	CT	CT	CT	PA	CT	
Affiliate ZIP	06492	06492	06492	15108	06492	

A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program Client</b>	STORM BRISTOL-MYERS SQUIBB COMPANY	STORM SPECIALTY CABLE CORP.	STORM NUCOR STEEL CONNECTICUT, INC	STORM TOWN OF WALLINGFORD	STORM TOWN OF WALLINGFORD	STORM ALLEGHENY LUDLUM LLC
<b>Permit ID</b>	GSI001863	GSI000221	GSI001902	GSI001347	GSI001367	GSI000393
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201103912	201103945	201104611	201106227	201106229	201105356
<b>Site Name</b>	BRISTOL-MYERS SQUIBB	SPECIALTY CABLE CORP.	NUCOR STEEL CONNECTICUT, INC.	WALLINGFORD PUBLIC WORKS DEPARTMENT	WALLINGFORD RECYCLING CENTER	ALLEGHENY LUDLUM CORPORATION
<b>Site Address Line 1</b>	5 RESEARCH PKWY	2 TOWER DR	35 TOELLES RD	29 TOWN FARM RD	BALL AND JOHN STREET	80 VALLEY ST
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
<b>Site Zip</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>			Nucor Steel Connecticut - 35 Toelles Rd. Wallingford, Ct.			Permit Renewal #GSI000393, 80 Valley St., Wallingford
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	11/11/2011	11/11/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	5 RESEARCH PKWY	2 TOWER DR	35 TOELLES RD	DEPARTMENT OF PUBLIC WORKS 29 TOWN FARM RD	DEPARTMENT OF PUBLIC WORKS 29 TOWN FARM RD	100 RIVER RD
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	BRACKENRIDGE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	PA
<b>Affiliate Zip</b>	06492	06492	06492	06492	06492	15690
<b>Program Client</b>	STORM ALLEGHENY LUDLUM LLC	STORM UNDERPASS USED AUTO PARTS	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.	STORM STEVENS ENGINEERING & ENVIRONMENTAL SERVICES, LLC	STORM HANNA PAPER RECYCLING, INC.
<b>Permit ID</b>	GSI000393	GSI001698	GSI002317	GSI002317	GSI002297	GSI002297
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105356	201103987	201104012	201104012	201104143	201104143
<b>Site Name</b>	ALLEGHENY LUDLUM CORPORATION	UNDERPASS USED AUTO PARTS, INC.	RESERVE WALLINGFORD SALT STORAGE (WHARTON)	RESERVE WALLINGFORD SALT STORAGE (WHARTON)	Hanna Paper Recycling, Inc.	Hanna Paper Recycling, Inc.
<b>Site Address Line 1</b>	80 VALLEY ST	1125 S BROAD ST	NORTH OF THE WHARTON BROOK CONNECTOR	NORTH OF THE WHARTON BROOK CONNECTOR	718 N Colony Rd	718 N Colony Rd
<b>Site City</b>	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	Wallingford	Wallingford
<b>Site Zip</b>	06492	06492	06492	06492	06492	06492
<b>Permit Description</b>	Permit Renewal #GSI000393, 80 Valley St., Wallingford					
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	80 VALLEY ST	1125 S BROAD ST	2800 BERLIN TPKE; PO BOX 317546	2800 BERLIN TPKE; PO BOX 317546	10' CARAFA TERR	718 North Colony Rd.
<b>Affiliate City</b>	WALLINGFORD	WALLINGFORD	NEWINGTON	Hamden	NORTH HAVEN	Wallingford
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate Zip</b>	06492	06492	06131	06518	06473	06492

A.5 Waste Water Discharge Permits for South Central Connecticut

Program	STORM TILCON CONNECTICUT INC.	STORM L & L WALLINGFORD, LLC	STORM ATLANTIC EQUIPMENT INSTALLERS, INC.	STORM THERMOSPAS HOT TUB PRODUCTS, INC.	STORM OSPREY ENVIRONMENTAL ENGINEERING, LLC	STORM RADIO FREQUENCY SYSTEMS, INC.
Client						
Permit ID	GSI000583	GSC000395	GSI000897	GSI002575	GSI001743	GSI001743
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Commercial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201104934	201206005	201206266	201300387	201300703	201300703
Site Name	TILCON CONNECTICUT INC - WALLINGFORD PLANT	BJ'S WHOLESALE CLUB	ATLANTIC EQUIPMENT INSTALLERS, INC.	THERMOSPAS	RADIO FREQUENCY SYSTEMS, INC.	RADIO FREQUENCY SYSTEMS, INC.
Site Address Line 1	1605 DURHAM RD	1046 NORTH COLONY ROAD (ROUTE 5)	55C N PLAINS INDUSTRIAL RD	155 EAST ST	29 RESEARCH PKWY	29 RESEARCH PKWY
Site City	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD	WALLINGFORD
Site ZIP	06492	06492	06492	06492	06492	06492
Permit Description	Wallingford Facility - 1605 Durham Rd. Wallingford, Ct.	LOCATION: BJ'S WHOLESALE CLUB, 1046 NORTH COLONY RD., WALLINGFORD, CT	Atlantic Equipment Installers, Inc. - 55C N. Plains Industrial Rd. Wallingford, Ct. 06492	29 Research Dr., Wallingford	29 Research Dr., Wallingford	29 Research Dr., Wallingford
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	9/17/2012	12/18/2012	4/22/2013	5/6/2013	5/6/2013
Expire Date	9/30/2016		9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	BLACK ROCK AVE; PO BOX 1357	6 Vista Dr	PO BOX 547	155 East St	146 E MAIN ST	200 Pond View Dr
Affiliate City	NEW BRITAIN	Old Lyme	WALLINGFORD	Wallingford	CLINTON	MERIDEN
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06050	06371	06492	06492	06413	06450
Program	STORM AL' CHEM & CY US ACQUICO, INC. (CYTEC INDUSTRIES, INC.; ALINES USA INC.)	STORM ARCADIS U.S., INC. (CYTEC INDUSTRIES, INC.; ALINES USA INC)	STORM APS TECHNOLOGY, INC.	STORM TIGHE & BOND, INC.	STORM PENSKE TRUCK LEASING CO., L.P.	STORM WAL-MART STORES EAST, LP
Client						
Permit ID	GSI002603	GSI002603	GSI002611	GSI002611	GSI001716	GSC000313
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Commercial Activity - Stormwater
App ID	201301762	201301762	201302449	201302449	200702211	200700417
Site Name	528 S CHERRY ST	528 S CHERRY ST	APS Technology	APS Technology	Penske Truck Leasing Co. LP	WAL-MART STORE #3803
Site Address Line 1	528 S CHERRY ST	528 S CHERRY ST	7 Laser Ln	7 Laser Ln	38 BOSTON POST RD	515 SAW MILL ROAD
Site City	WALLINGFORD	WALLINGFORD	Wallingford	Wallingford	WEST HAVEN	WEST HAVEN
Site ZIP	06492	06492	06492	06492	06516	06516
Permit Description					CONSTRUCTION OF A TRUCK SERVICE GARAGE ALONG BOSTON POST RD - STORMWATER INDUSTRIAL	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY (WEST HAVEN, CT)
Status	Active	Active	Active	Active	Active	Active
Issued Date	7/4/2013	7/4/2013	8/17/2013	8/17/2013	9/25/2007	8/11/2009
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	2/1/2014	4/30/2014
Affiliate Add1	528 S Cherry St	213 Court St Suite 700	7 Laser Ln	446 Main St	PO BOX 563	702 SW 8TH DEPT 8916
Affiliate City	Wallingford	Middletown	Wallingford	Worcester	READING	BENTONVILLE
Affiliate State	CT	CT	CT	MA	PA	AR
Affiliate ZIP	06492	06457	06492	01608	19603	72716

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<b>Program Client</b>	STORM WAL-MART STORES EAST, LP	STORM STAR DISTRIBUTORS, INC.	STORM STAR DISTRIBUTORS, INC.	STORM STAR DISTRIBUTORS, INC.	STORM SAILER ENVIRONMENTAL INC	STORM CITY CHEMICAL LLC
<b>Permit ID</b>	GSC000313	GSC000320	GSC000320	GSC000320	GSI001193	GSI001193
<b>Permit El Type</b>	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Commercial Activity Stormwater	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	200700417	200801264	200801264	200801264	201105104	201105104
<b>Site Name</b>	WAL-MART STORE #3803	STAR DISTRIBUTORS INC.	STAR DISTRIBUTORS INC.	STAR DISTRIBUTORS INC.	CITY CHEMICAL LLC	CITY CHEMICAL LLC
<b>Site Address Line 1</b>	515 SAW MILL ROAD	10 EDER RD	10 EDER RD	10 EDER RD	139 ALLINGS CROSSING	139 ALLINGS CROSSING
<b>Site City</b>	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY (WEST HAVEN, CT)	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES-10-12 EDER RD., WEST HAVEN	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES-10-12 EDER RD., WEST HAVEN	STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITIES-10-12 EDER RD., WEST HAVEN		
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	8/11/2009	8/11/2009	8/11/2009	8/11/2009	10/1/2011	10/1/2011
<b>Expire Date</b>	4/30/2014	4/30/2014	4/30/2014	4/30/2014	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	702 SW 8TH	PO BOX 1200	PO BOX 1200	10 EDER RD	1 Orchard Park Rd	139 ALLINGS CROSSING RD
<b>Affiliate City</b>	BENTONVILLE	NEW HAVEN	NEW HAVEN	WEST HAVEN	Madison	WEST HAVEN
<b>Affiliate State</b>	AR	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	72716	06505	06505	06516	06443	06516
<b>Program Client</b>	STORM CDM	STORM CITY OF WEST HAVEN	STORM DEITSCH PLASTIC COMPANY, INC.	STORM AZURE WATER SERVICES, LLC	STORM SAILER ENVIRONMENTAL INC	STORM WEST COVE MARINA CORPORATION
<b>Permit ID</b>	GSI002116	GSI002116	GSE000037	GSI002056	GSI001013	GSI001013
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Associated With Industrial Activities-GP-No Exposure Certification	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105118	201105118	201103600	201105202	201105216	201105216
<b>Site Name</b>	WEST HAVEN WPCF	WEST HAVEN WPCF	DEITSCH PLASTIC CO.M,INC	AZURE WATER SERVICES, LLC	West Cove Marina	West Cove Marina
<b>Site Address Line 1</b>	2 BEACH ST	2 BEACH ST	14 Farwell Street	280 CALLEGARI DR	13 KIMBERLY AVE	13 KIMBERLY AVE
<b>Site City</b>	WEST HAVEN	WEST HAVEN	West Haven	WEST HAVEN	WEST HAVEN	WEST HAVEN
<b>Site ZIP</b>	06516	06516	06516	06516	06516	06516
<b>Permit Description</b>	100 Great Meadow Rd	WATER POLLUTION CONTROL AUTH 2 BEACH RD	14 FARWELL ST	280 CALLEGARI DR	1 Orchard Park Rd	13 KIMBERLY AVE
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	Wethersfield	WEST HAVEN	WEST HAVEN	WEST HAVEN	Madison	WEST HAVEN
<b>Affiliate City</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate State</b>	06109	06516	06516	06516	06443	06516

**A.5 Waste Water Discharge Permits for South Central Connecticut**

Program	STORM ENTHONE INC.	STORM LAKIN TIRE EAST INCORPORATED	STORM JOHN DEGRAND & SON, INC.	STORM CITY OF WEST HAVEN	STORM KX TECHNOLOGIES LLC	STORM ENVIRONMENTAL CONSULTING SERVICES
Client						
Permit ID	GSI000826	GSI001025	GSI001610	GSI001148	GSI001920	GSI001057
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201103632	201103829	201104679	201103874	201105208	201206316
Site Name	ENTHONE, INC.	LAKIN TIRE EAST INC.	JOHN DEGRAND & SON, INC.	WEST HAVEN PUBLIC WORKS GARAGE	KX TECHNOLOGIES LLC	COSMO'S FOOD PRODUCTS, INC.
Site Address Line 1	350 FRONTAGE RD	240 FRONTAGE RD	430 ISLAND LN	1 COLLIS STREET	55 RAILROAD AVE	200 CALLEGARI DR
Site City	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN
Site ZIP	06516	06516	06516	06516	06516	06516
Permit Description						
Status	Active	Active	Active	Active	Active	Active
Issued Date	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	12/24/2012
Expire Date	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
Affiliate Add1	350 Frontage Rd.	240 FRONTAGE RD	430 ISLAND LN	CITY HALL 355 MAIN ST	55 RAILROAD AVE	1005 Boston Post Rd
Affiliate City	West Haven	WEST HAVEN	WEST HAVEN	WEST HAVEN	WEST HAVEN	Madison
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06516	06516	06516	06516	06516	06443
Program	STORM COSMO'S FOOD PRODUCTS, INC.	STORM COSMO'S FOOD PRODUCTS, INC.	STORM PHOENIX HOLDINGS, LLC	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM HRP ASSOCIATES, INC.	STORM MATTATUCK INDUSTRIAL SCRAP METAL, INC.
Client						
Permit ID	GSI001057	GSI001057	GSI002095	GSI002193	GSI000861	GSI000861
Permit El Type	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Construction Activities - GP- 5 - 10 Acres	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
App ID	201206316	201206316	201002507	201102483	201105174	201105174
Site Name	COSMO'S FOOD PRODUCTS, INC.	COSMO'S FOOD PRODUCTS, INC.	HAPPY HOLLOW FARM	Route 69 with Woodtick Road and Long Swamp Road	MATTATUCK INDUSTRIAL SCRAP METAL, INC.	MATTATUCK INDUSTRIAL SCRAP METAL, INC.
Site Address Line 1	200 CALLEGARI DR	200 CALLEGARI DR	MARGARET TERRACE	Route 69 with Woodtick Road and Long Swamp Road	28 TOWN LINE RD	28 TOWN LINE RD
Site City	WEST HAVEN	WEST HAVEN	WOLCOTT	Wolcott	WOLCOTT	WOLCOTT
Site ZIP	06516	06516	06716	06716	06716	06716
Permit Description			PROPOSED SIX (6) LOT RESIDENTIAL SUBDIVISION WITH PROPOSED CUL-DE-SAC / WOLCOTT, CT.	STATE PROJECT# 166-099 - INTERSECTION IMPROVEMENTS ON RTE 69, WITH WOODTICK RD AND LONG SWAMP RD.	Permit Renewal #GSI000861	Permit Renewal #GSI000861
Status	Active	Active	Active	Active	Active	Active
Issued Date	12/24/2012	12/24/2012	5/5/2010	4/14/2011	10/1/2011	10/1/2011
Expire Date	9/30/2016	9/30/2016	2/1/2014	2/1/2014	9/30/2016	9/30/2016
Affiliate Add1	200 CALLEGARI DR	200 CALLEGARI DR	PO Box 540	2800 BERLIN TPKE; PO BOX 317546	197 SCOTT SWAMP RD	28 TOWN LINE RD
Affiliate City	WEST HAVEN	WEST HAVEN	Watertown	NEWINGTON	FARMINGTON	WOLCOTT
Affiliate State	CT	CT	CT	CT	CT	CT
Affiliate ZIP	06516	06516	06795	06131	06032	06716

#### A.5 Waste Water Discharge Permits for South Central Connecticut

<b>Program</b>	STORM SECONDARIES, INC.	STORM ANSTRO MANUFACTURING, INC.	STORM STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STORM Diversified Technology Consultants, Inc.	STORM KLEINFELDER/SEA	STORM TOWN OF WOODBRIDGE
<b>Client</b>						
<b>Permit ID</b>	GSI000919	GSI001797	GSI000087	GSI000087	GSI000717	GSI000717
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201103894	201103901	201104093	201104093	201105501	201105501
<b>Site Name</b>	SECONDARIES, INC.	ANSTRO MANUFACTURING INC.	WOLCOTT SALT STORAGE FACILITY	WOLCOTT SALT STORAGE FACILITY	WOODBRIDGE PUBLIC WORKS GARAGE	WOODBRIDGE PUBLIC WORKS GARAGE
<b>Site Address Line 1</b>	19 Venus Dr	238 WOLCOTT RD	1010 WOLCOTT ROAD	1010 WOLCOTT ROAD	11 MEETINGHOUSE LN	11 MEETINGHOUSE LN
<b>Site City</b>	Wolcott	WOLCOTT	WOLCOTT	WOLCOTT	WOODBRIDGE	WOODBRIDGE
<b>Site ZIP</b>	06716	06716	06716	06716	06525	06525
<b>Permit Description</b>					Renewal Permit #GSI00717, Public Work Garage, 11 Meeting Ln., Woodbridge	Renewal Permit #GSI00717, Public Work Garage, 11 Meeting Ln., Woodbridge
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	19 Venus Dr	238 WOLCOTT RD	2800 BERLIN TPK; PO BOX 317546	2321 Whitney Ave	200 Corporate Pl	11 MEETINGHOUSE LN
<b>Affiliate City</b>	Wolcott	WOLCOTT	NEWINGTON	Hamden	Rocky Hill	WOODBRIDGE
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06716	06716	06131	06518	06067	06525
<b>Program</b>	STORM KLEINFELDER/SEA	STORM TOWN OF WOODBRIDGE	STORM HRP ASSOCIATES, INC.	STORM CONNECTICUT HYPODERMICS, INCORPORATED	STORM UNITED CONCRETE PRODUCTS INC.	STORM UNITED CONCRETE PRODUCTS INC.
<b>Client</b>						
<b>Permit ID</b>	GSI000716	GSI000716	GSI000659	GSI000659	GSI000992	GSI002252
<b>Permit El Type</b>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<b>App ID</b>	201105502	201105502	201105203	201105203	201103862	201103864
<b>Site Name</b>	WOODBRIDGE TRANSFER STATION	WOODBRIDGE TRANSFER STATION	CONNECTICUT HYPODERMICS, INC.	CONNECTICUT HYPODERMICS, INC.	UNITED CONCRETE PRODUCTS INC.	UNITED CONCRETE PLANT 2
<b>Site Address Line 1</b>	85 ACORN HILL ROAD EXT	85 ACORN HILL ROAD EXT	519 MAIN ST	519 MAIN ST	173 CHURCH ST	494 MAIN STREET
<b>Site City</b>	WOODBRIDGE	WOODBRIDGE	YALESVILLE	YALESVILLE	YALESVILLE	YALESVILLE
<b>Site ZIP</b>	06525	06525	06492	06492	06492	06492
<b>Permit Description</b>	Renewal Permit #GSI00716, Transfer Station, 85 Acorn Hill Road Ext., Woodbridge	Renewal Permit #GSI00716, Transfer Station, 85 Acorn Hill Road Ext., Woodbridge	519 Main St., Yalesville, Ct.	519 Main St., Yalesville, Ct.	NORMAN W GAVIN	173 494 Main St CHURCH ST
<b>Status</b>	Active	Active	Active	Active	Active	Active
<b>Issued Date</b>	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011
<b>Expire Date</b>	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016
<b>Affiliate Add1</b>	200 Corporate Pl	11 MEETINGHOUSE LN	197 SCOTT SWAMP RD	519 MAIN ST		
<b>Affiliate City</b>	Rocky Hill	WOODBRIDGE	FARMINGTON	YALESVILLE	YALESVILLE	Yalesville
<b>Affiliate State</b>	CT	CT	CT	CT	CT	CT
<b>Affiliate ZIP</b>	06067	06525	06032	06492	06492	06492

**A.5 Waste Water Discharge Permits for South Central Connecticut**

<i>Program</i>	STORM FACILITY SUPPORT SERVICES, LLC	STORM INTERGRATED INDUSTRIAL SYSTEMS INC.
<i>Client</i>		
<i>Permit ID</i>	GSI002185	GSI002185
<i>Permit El Type</i>	Stormwater Industrial Activities - GP	Stormwater Industrial Activities - GP
<i>App ID</i>	201105664	201105664
<i>Site Name</i>	INTERGRATED INDUSTRIAL SYSTEMS	INTERGRATED INDUSTRIAL SYSTEMS
<i>Site Address Line 1</i>	475 MAIN ST	475 MAIN ST
<i>Site City</i>	YALESVILLE	YALESVILLE
<i>Site ZIP</i>	06492	06492
<i>Permit Description</i>	GSI002185	GSI002185
<i>Status</i>	Active	Active
<i>Issued Date</i>	10/1/2011	10/1/2011
<i>Expire Date</i>	9/30/2016	9/30/2016
<i>Affiliate Add1</i>	2685 STATE ST	ROBERT HERBST 475 MAIN ST
<i>Affiliate City</i>	HAMDEN	YALESVILLE
<i>Affiliate State</i>	CT	CT
<i>Affiliate ZIP</i>	06517	06492

## A.6 Consumptive Use Diversions



Connecticut Department of  
Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127  
[www.ct.gov/deep](http://www.ct.gov/deep)

### Active Consumptive Use Diversions, Quinnipiac River Watershed

Client	Permit ID	Site Town	Description	MGD	Status	Issued Date	Expiration
CITY OF BRISTOL	DIV200701668GP	BRISTOL, NEW CHESHIRE	POTABLE WATER SUPPLY INTERCONNECTION North Cheshire Well Field, Blacks Rd. Public Water Supply 2.8	0.5	Active	6/18/2007	3/15/2017
SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	DIV-86-07				Continued	10/01/1990	10/01/1993
SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY	DIV-85-35	Cheshire, Meriden	Interconnection, Cheshire to Meriden	0.5	Continued	10/01/1990	10/01/1993
CITY OF MERIDEN	DIV-199500424	MERIDEN	WITHDRAWAL FROM BRADLEY HUBBARD RESERVOIR	1	Active	6/13/2011	6/08/2036
HUNTER MEMORIAL GOLF COURSE	DIV-200901075	Meriden	INSTALLATION OF A GOLF COURSE IRRIGATION PUMP DRAWING FROM EXISTING POND.	0.61	Active	4/15/2010	4/10/2035
CITY OF MERIDEN	DIV-85-20	Meriden	Platt and Lincoln wells	1.1	Continued	10/01/1990	10/01/1993
YORK HILL TRAP ROCK QUARRY COMPANY	DIV200701703GP	MERIDEN	NAME OF DIVERSION STRUCTURE: BEDROCK WELLS 0.275		Active	6/21/2007	3/15/2017
Yale University	DIV-200301980	NEW HAVEN	SURFACE WATER WITHDRAWAL FROM PONDS ON SITE FOR IRRIGATION OF THE YALE UNIVERSITY GOLF COURSE	0.35	Active	6/20/2005	6/09/2019
UNITED ALUMINUM CORPORATION	DIV-200003390	NORTH HAVEN	DIVERSION from wells #3 & #4 FOR NON-CONTACT COOLING	0.486	Active	4/02/2002	4/01/2027
VALLEY WATER SYSTEMS, INC.	DIV-200102562	PLAINVILLE	Johnson Avenue Wells 3 & 6.	1.5	Active	12/23/2004	12/16/2029
TILCON CONNECTICUT INC.	DIV2007010739GP	PLAINVILLE	UNREGISTERED WATER SUPPLY, QUARRY DIVISION	0.24	Active	6/26/2007	3/15/2017

**A.6 Consumptive Use Diversions**

VALLEY WATER SYSTEMS, INC. DIV-201100438	PLAINVILLE	CONTINUED GROUNDWATER WITHDRAWAL FROM WOODFORD AVENUE WELLFIELD.	2.17	Active	1/27/2012	2/01/2037
18FORE18, INC.	DIV-200501996	SOUTHINGTON PUMP GROUND WATER FOR TURF IRRIGATION ON EXISTING GOLF COURSE.	0.2	Active	11/08/2007	11/21/2027
TOWN OF SOUTHBURGTON	DIV-85-10	Southington Dunham Place Wellfield withdrawal	3	Continued	10/01/1990	10/01/1993
PINE VALLEY GOLF COURSE	DIV200701680GP	SOUTHINGTON CONTINUED USE OF THE EXISTING PUMPS PROVIDING IRRIGATION TO GOLF COURSE	0.248	Active	6/19/2007	3/15/2017
TILCON CONNECTICUT INC.	DIV200701723GP	SOUTHINGTON REAUTHORIZATION FOR DIVERSION OF WATER FOR CONSUMPTIVE USE PERMIT DIV-200301938GP	0.86	Active	6/25/2007	3/15/2017
THE TRADITION GOLF CLUB AT WALLINGFORD	DIV-200301427	WALLINGFORD DIVERSION OF SURFACE WATER	0.3	Active	5/01/2006	4/23/2016
WALLINGFORD COUNTRY CLUB	DIV-200702811	Wallingford OBTAIN INDIVIDUAL DIVERSION PERMIT FOR EXISTING TURF IRRIGATION SYSTEM	0.23	Active	10/22/2009	10/15/2034
TOWN OF WALLINGFORD	DIV-200103523	WALLINGFORD, RENEWAL OF PERMIT FOR PUBLIC WATER SUPPLY.	18.33	Active	6/10/2004	5/08/2029
GAYLORD HOSPITAL	DIV200701691	WALLINGFORD SMALL WATER SUPPLY	0.15	Active	6/20/2007	3/15/2017

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	<b>5201 EIGHTMILE RIVER</b>					
Pine Valley Golf Course, Inc. Wolcott	Pine Valley GC Withdrawal from Grannis Pon Farmingbury Hills Golf Course Irrigation Pond	SOUTHINGTON WOLCOTT	IRRIGATION IRRIGATION	DIV-200701680GP DIV-200502606R	03/15/2017 05/24/2022	0.2480 0.1360
Basin Code:	<b>5201 EIGHTMILE RIVER</b>			<b>Total of Permitted Water Diversions:</b>	<b>0.3840</b>	
				Grand Total of Consumptive Permitted DiversionsL		0.3840
						Permitted Withdrawal (mgd)

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	<b>5206 HARBOR BROOK</b>					
Hunter Memorial Golf Course	Wells# 1 and 2	MERIDEN	RECREATION	DIV-200901075	04/10/2035	0.3060
Meriden Water Department	Withdrawal from Bradley Hubbard Reservoir	MERIDEN	PUBLIC WATER	DIV-1986-04	08/18/1991	1.0000
York Hill Trap Rock Quarry Company	York Hill Trap Rock Quarry Wells 1-7.	MERIDEN	MINING	DIV-200701703GP	03/15/2017	0.2750
						Permitted Withdrawal (mgd)
Basin Code:	<b>5206 HARBOR BROOK</b>					
						Total of Permitted Water Diversions: 1.5810
Basin:	<b>5206 HARBOR BROOK</b>					Grand Total of Consumptive Permitted DivisionsL
						1.5810

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	<b>5208 MUDDY BROOK</b>					
United Aluminum Corporation Wallingford Water Division	Wells 3 and 4 (Noncontact cooling water) MacKenzie - Ulbrich - Pistaug Transfer	NORTH HAVEN WALLINGFORD	COOLING/HEAT POTABLE SUPPLY	DIV-200003390 DIV-200103523	04/01/2027 05/28/2029	0.4860 18.3300
Basin Code:	<b>5208 MUDDY BROOK</b>					
			<b>Total of Permitted Water Diversions:</b>	<b>18.8160</b>		
					Permitted Withdrawal (mgd)	
Basin:	<b>5208 MUDDY BROOK</b>		<b>Grand Total of Consumptive Permitted DiversionsL</b>			<b>18.8160</b>

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
<b>BASIN CODE: 5200 QUINNIPAC RIVER</b>						
18Fore18, Inc., dba Hawks Landing Country	Hawks Landing Club Irrigation Pond and Prod	SOUTHINGTON	IRRIGATION	DIV-200501996	11/21/2027	0.3440
Gaylord Hospital, Inc.	Gaylord Hospital Well	WALLINGFORD	POTABLE SUPPLY	DIV-200701691GP	03/15/2017	0.1500
South Central CT Regional Water Authority	Main System North Cheshire Well Field Wells	CHESHIRE	PUBLIC WATER	DIV-1986-07	10/01/1993	2.8000
South Central CT Regional Water Authority	SCCRWA Main System Interconnection to M	CHESHIRE	PUBLIC WATER	DIV-1985-35	10/01/1993	0.5000
Southington Water Department	Southington Well #9 Dunham Place Well Fiel	SOUTHINGTON	PUBLIC WATER	DIV-1985-10	10/01/1993	3.0000
Tilcon Connecticut, Inc.	Tilcon Plainville Concrete Plant Supply Well	NEW BRITAIN	MINING	DIV-200701740GP	03/15/2017	0.1090
Tilcon Connecticut, Inc.	Tilcon Plainville Rock Quarry Well	PLAINVILLE	MINING	DIV-200701739GP	03/15/2017	0.2400
Tilcon Connecticut, Inc.	Tilcon West Queen Street Southington Plant	SOUTHINGTON	MINING	DIV-200701723GP	03/15/2017	0.8600
Valley Water Systems, Inc.	Wells 2A, 4A, 5 and 7 of the Woodford A	PLAINVILLE	PUBLIC WATER	DIV-201100438	02/01/2037	2.1700
<b>Basin Code: 5200 QUINNIPAC RIVER</b>				<b>Total of Permitted Water Diversions:</b>	<b>10.1730</b>	

Basin:	5200 QUINNIPAC RIVER	Grand Total of Consumptive Permitted DivisionsL	10.1730	Permitted Withdrawal (mgd)
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## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	5205 SODOM BROOK					
Meriden Water Department	Withdrawal from Platt & Lincoln Wells	MERIDEN	PUBLIC WATER	DIV-1985-20	10/01/1993	1.1000
Basin Code:	5205 SODOM BROOK			Total of Permitted Water Diversions:	1.1000	
Basin:	5205 SODOM BROOK			Grand Total of Consumptive Permitted DiversionsL		1.1000
				Permitted Withdrawal (mgd)		

**CT Department of Environmental Protection  
Inland Water Resources Division**  
Call 860-424-3019 for more information

SITE DEV - Site Development; INSTITUTIONAL - hospitals / schools PUBLIC WATER - Water Utility (could be any use); INDUSTRIAL - Includes manufacturing, cooling water, power generation

Thursday, October 17, 2013  
Page 1 of 1

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	<b>5207 WHARTON BROOK</b>					
Tradition Golf Club at Wallingford Wallingford Country Club	Withdrawal from Allen Brook and two unnamed Irrigation Pond and Well 1 & 2	WALLINGFORD WALLINGFORD	IRRIGATION IRRIGATION	DIV-200301427 DIV-200702811	04/23/2016 10/15/2034	0.2300
Basin Code:	<b>5207 WHARTON BROOK</b>			<b>Total of Permitted Water Diversions:</b>	<b>0.2300</b>	
				Permitted Withdrawal (mgd)		
Basin:	5207 WHARTON BROOK		Grand Total of Consumptive Permitted DiversionsL		0.2300	

## Consumptive Water Diversion Permits Issued and Active as of date of report- Sorted by Basin

Permit Holder LName:	Name of Diversion:	Location -Town:	Purpose:	Application #	Expiration Date	Flow Rate (mgd)
BASIN CODE:	5304 WINTERGREEN BROOK					Permitted Withdrawal (mgd)
Yale University	Greist Pond irrigation withdrawal	NEW HAVEN	IRRIGATION	DIV-200301980	06/09/2019	0.3500
Basin Code:	5304 WINTERGREEN BROOK		Total of Permitted Water Diversions:	0.3500		
Basin:	5304 WINTERGREEN BROOK		Grand Total of Consumptive Permitted DiversionsL			0.3500

## A.7 Registered Diversions

### DIVERSION REGISTRATIONS IN:

### BROAD BROOK

**5204**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
MERIDEN WATER DEPT	BROAD BROOK 3RD POND WELL	5204-002-PWS-GR	MERIDEN	0.0000		
Description Pumps overland to Broad Brook Res.	Notes Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1950 and had a capacity of GPM (X1000): 1915.2, which is interpreted to be 1330 gpm (1.9152 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP and a production graph. The table indicates a peak day rate of .9152 mgd on 1/5/66 and a pump capacity of .9152 mgd (1330 gpm). The graph indicates a peak flow of 1.9152 mgd (1330 gpm) in 1/5/66. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of 1.915 mgd (1330 gpm) for the Broad Brook-3RD Pond Well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Use the pump test figure .9152 mgd as this well is not connected to system. Actual capacity would be realized in pump testing. Listed on Ack letter sent 4/4/94. On 8/27/98 PLs called Mike (630-4262) @ Meriden Water Dept and asked where the well was. Mike said that they removed the well and pump house many years ago. Update March 1999: Dave Lohman said it is there and they use it.					
MERIDEN WATER DEPT	BROAD BROOK RESERVOIR	5204-001-PWS-IM	CHESHIRE	5.0000		
Description Discharge to treatment plant/pump	Notes Petition letter 7/18/91 provided new usable storage capacity from 880 mg to 1000 mg, increased surface area from 312 to 329 acres, reduced watershed area from 4.94 to 4.8 sqmi and stated that the safe yield is 3.36 mgd not 3.2 mgd. Petitioned to add a 5 mgd withdrawal capacity. Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 1 from the WSP and a production graph. The table indicated a peak day rate of 4.6 mgd on 1/1/24/81 and indicated a treatment and plant pump capacity of 5 mgd. The graph indicated the 4.6 mgd peak day on 1/1/24/81 and some 4.7 mgd peak days in 1984 and 1985. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted 5 mgd to Broad Brook. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Listed on Ack letter sent 4/4/94.					

**DIVERSION REGISTRATIONS IN:****EIGHTMILE RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
BISHOP ORCHARDS	BISHOP - LEWIS FARMS POND #1 (NANCY)	5201-003-AGR-IM	SOUTHWINDING	0.0000		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> Farm pond formerly used by Lewis Farms for irrigation of 132 acres of peaches, apples, fruit, and vegetables. Lewis used a 750 gpm portable irrigation pump but did not transfer the pump to Bishop.					
BISHOP ORCHARDS	BISHOP - LEWIS FARMS POND #2 (SNAKE)	5201-004-AGR-IM	SOUTHWINDING	0.0000		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> Farm pond formerly used by Lewis Farms for irrigation of 132 acres of peaches, apples, fruit, and vegetables. Lewis used a 10 gpm portable irrigation pump - pump not transferred to Bishop.					
BISHOP ORCHARDS	BISHOP - LEWIS FARMS POND #3 (FISH)	5201-005-AGR-IM	SOUTHWINDING	0.0000		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> Farm pond formerly used by Lewis Farms for irrigation of 132 acres of peaches, apples, fruit, and vegetables. Lewis used a 750 gpm portable irrigation pump - not transferred to Bishop.					
BISHOP ORCHARDS	BISHOP - LEWIS FARMS POND #4 (WELCH)	5201-006-AGR-IM	SOUTHWINDING	0.0000		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> Farm pond formerly used by Lewis Farms for irrigation of 132 acres of peaches, apples, fruit, and vegetables. Lew is used a 10 gallon portable irrigation pump - not transferred to Bishop.					
BISHOP ORCHARDS	BISHOP - LEWIS FARMS POND #5 (EAST OF WATER)	5201-007-AGR-IM	SOUTHWINDING	0.0000		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> Farm pond formerly used by Lewis Farms for irrigation of 132 acres of peaches, apples, fruit, and vegetables. Lewis used a 750 gpm portable irrigation pump - not transferred to Bishop.					
LEWIS FARMS	LEWIS FARMS POND #6 (MAIN FARM)	5201-008-AGR-IM	SOUTHWINDING	0.4800		
<b>Description</b> Farm pond with portable irrigation pump	<b>Notes</b> farm pond used for irrigation of 132 acres of peaches, apples, fruit, and vegetables. 750 gpm portble irrigation pump. DR requires max withdrawal to be limited to pond usable storage cap = .48 mgd					
LEWIS FARMS	LEWIS FARMS WELL #1	5201-009-AGR-GR	SOUTHWINDING	0.0144		
<b>Description</b> Farm Well	<b>Notes</b> One of two 10 gpm farm wells used for irrigation of 132 acres of peaches, apples, fruit, and vegetables.					
LEWIS FARMS	LEWIS FARMS WELL #2	5201-010-AGR-IM	SOUTHWINDING	0.0144		
<b>Description</b> Farm Well	<b>Notes</b> One of two 10 gpm farm wells used for irrigation of 132 acres of peaches, apples, fruit, and vegetables.					

**DIVERSION REGISTRATIONS IN:****5201**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>
NEW BRITAIN WATER DEPT  Description Pump/gas engine @ Wolcott pipe crossing	EIGHT MILE RIVER	5201-001-PWS-RI	SOUTHWICHTON	1.0000	
NEW BRITAIN WATER DEPT  Description WD through two 20" lines to Shuttle Meadow Res	WOLCOTT RESERVOIR	5201-002-PWS-IM	SOUTHWICHTON	8.0000	

**Description** Petition letter dated 1/31/91 confirmed 1.0 mgd and provided some more information on the arrangement. Emergency use only.

**Description** Petition letter dated 1/31/91 confirmed the 8 mgd registered maximum withdraw capacity. Acknowledgment letter showed 8 mgd.

**A.7 Registered Diversions****DIVERSION REGISTRATIONS IN:****HARBOR BROOK****5206**Registered Max  
Withdrawal Capacity

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)
INSILCO CORPORATION	INSILCO LAWN SPRINKLING WELL	5206-001-AGR-GR	MERIDEN	0.0720	
Description	Lawn sprinkling well	Notes	Lawn sprinkling well supplying an underground system.		
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - SARTORI POND	5206-011-AGR-JM	WALLINGFORD	0.0000	
Description	Pond east of High Hill Avenue in Wallingford	Notes	Sartori Pond located on either on Spoon Shop Brook or on Harris Brook. Maps provided not detailed enough. No reported withdrawals. - DATA NEEDED - map with location of pond.		
MERIDEN WATER DEPT	BLACK POND	5206-004-PWS-IM	MERIDEN	0.8081	
Description	Emergency Surface Supply	Notes	Not listed on original registration documents. Petition letter 7/18/91 provided some physical data, storage, watershed area, surface area. Petitioned to add a .8081 mgd withdrawal capacity. Petition letter 7/24/91 provided copy of the 7/18/91 letter. Table 1 from the WSP and a production graph. The table indicated Black Pond was used in the 60's as an emergency supply at an average rate of 0.80811 mgd on 1/1/65. A pump capacity of 0.8081 mgd was also listed. The graph indicated a 0.80811 mgd monthly average peak in 11/65. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted a withdrawal capacity of 0.8081 mgd to Black Pond. Register withdrawal at the 0.8081 mgd per the production graph. Listed on Ack letter sent 4/4/94.		
MERIDEN WATER DEPT	BRADLEY HUBBARD CANAL SYSTEM - CANAL	5206-013-PWS-IM	MERIDEN	0.0000	
Description	Canal appending watershed area to the reservoir	Notes	Map attached to 2/11/1992 petition letter indicates a Qmax of 32 cfs (20.7 mgd).		
MERIDEN WATER DEPT	BRADLEY HUBBARD CANAL SYSTEM - DIVERSIO	5206-014-PWS-IM	MERIDEN	0.0000	
Description	Diversion Tunnel to reservoir	Notes	Map attached to 2/11/1992 petition letter indicates a Qmax of 74 cfs (47.8 mgd).		

**DIVERSION REGISTRATIONS IN:****HARBOR BROOK****5206****Registered Max****Withdrawal Capacity**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	
MERIDEN WATER DEPT	BRADLEY HUBBARD RESERVOIR	5206-005-PWS-IM	MERIDEN	0.6715		
<b>Description</b>	Discharge to treatment then system	<b>Notes</b>	Not listed on original registration documents. Permit DIV-86-04 issued for 1.0 mgd on 8/18/86 expires 8/18/91. Petition letter 7/18/91 provided some physical data, storage, watershed area, surface area. Petitioned to add a 1 mgd withdrawal capacity. Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 1 from the WSP and a production graph. The table indicated a peak day rate of .58083 mgd on 10/72 from Bradley Hubbard and a pump capacity of 0.504 mgd. The graph indicated a 0.671458 mgd monthly average peak in 10/72. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted a withdrawal capacity of 1.0 mgd. Petition letter 1/16/92 stated that it is the City's position that Bradley Hubbard and all the canal systems and surface supply systems should be registered. Petition letter 2/11/92 stated the same as the 1/16/92 letter. Petition letter 7/14/92 stated that the City has submitted petition documents for Bradley Hubbard res and believes that permit renewal is not required. Letter 8/14/92 from TMM to City stated that additional piping of some open channel at Bradley Hubbard Res. would require a permit (nothing about registration of the reservoir itself). Register the reservoir storage capacities and withdrawal at the 0.671458 mgd per the production graph. Permit expired but the registration is accepted so renewal is not required. Listed on Ack letter sent 4/4/94. Permit DIV-199500424 was issued on 6/13/2011 authorizing a 1.0 MG withdrawal from the reservoir. Expires 6/8/2036.			
MERIDEN WATER DEPT	BRYANNIA STREET WELL	5206-006-PWS-GR	MERIDEN	0.8015		
<b>Description</b>	Public Water Supply well (TCE problem)	<b>Notes</b>	Well installed 1960, Pump listed at 7 gpm (taken as 700 gpm) and well not used due to TCE contamination. Petition letter 7/18/91 provided new pump capacity of 8015 gpm (X1000). What was meant was 0.8015 mgd. Also changed depth from 60 to 65'. Petition letter 7/24/91 provided copy of 7/18/91 letter, Table 2 from the WSP and a production graph. The table showed 0.8015 mgd on 2/80 (monthly average) and was verified by the production graph. An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Britannia Well at 0.802 mgd. Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP. Listed on Ack letter sent 4/4/94.			
MERIDEN WATER DEPT	MUNICIPAL GOLF COURSE WELL #1	5206-007-IRR-GR	MERIDEN	0.3000		
<b>Description</b>	Golf Course Irrigation Well	<b>Notes</b>	Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1963 and had a capacity of GPM (X1000): 374, which is interpreted to be 260 gpm (.374 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP and a production graph. The table indicates a peak day rate of 0.374 mgd on pre-1961 and a pump capacity of 0.374 mgd (260 gpm). The graph indicates a peak flow of 0.300 mgd (208 gpm) in 1978. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of .374 mgd for the Municipal Golf Course well #1. Petition letter 1/16/92 provided another copy of the 7/18/91 letter, use the peak day flow from the production graph date 1978 (0.300 mgd) because pump test was probably on an unconnected well. (City could confirm connection to system during pump test) Actual capacity would be realized when connected to system. Listed on Ack letter sent 4/4/94.			

**DIVERSION REGISTRATIONS IN:****HARBOR BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
MERIDEN WATER DEPT	MUNICIPAL GOLF COURSE WELL #2	5206-008-IRR-GR	MERIDEN	0.5040		
<b>Description</b> Golf Course Irrigation Well	<b>Notes</b> Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1963 and had a capacity of GPM (X1000). 590.4, which is interpreted to be 410 gpm (.5904 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP and a production graph. The table indicates a peak day rate of 0.5904 mgd on 4/8/63 and a pump capacity of 0.5904 mgd (410 gpm), The graph indicates a peak flow of 0.504 mgd (350 gpm) in 8/69 (monthly average). An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of .059 mgd (41 gpm) for the Municipal Golf Course well #2. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Use the peak day flow from the production graph date 8/69 (0.504 mgd) because pump test was probably on an unconnected well. (City could confirm connection to system during pump test). Actual capacity would be realized when connected to system. Listed on Ack letter sent 4/4/94.					
MERIDEN WATER DEPT	WESTFIELD WELL	5206-009-PWS-GR	MERIDEN	0.3312		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1966 and had a capacity of GPM (X1000). 347.04, which is interpreted to be 241 gpm (.3470 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP and a production graph. The table indicates a peak day rate of 0.34707 mgd on pre-1961 and a pump capacity of 0.347 mgd (241 gpm). The graph indicates a peak flow of 0.3312 mgd (230 gpm) on 6/71. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of .347 mgd for the Westfield well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Use the peak day flow from the production graph date 6/71 (0.3312 mgd) because pump test was probably on an unconnected well. (City could confirm connection to system during pump test). Actual capacity would be realized when connected to system. Listed on Ack letter sent 4/4/94.					
MILLER COMPANY	MILLER COMPANY WELL FIELD #1 (Three 4" WELL	5206-015-IND-GR	MERIDEN	0.0000		
<b>Description</b> Air - Lift, three individual wells combined	<b>Notes</b> Forms received on 7/6/83. Industrial supply well system located near Harbor Brook on Center Street. Need more detail of "air - lift" system noted on form. Industrial process water 15% non-contact cooling and 85% process water. Confirmation of registration ltr dated 12/15/99. The Miller Company stopped diverting water on December 31, 1998 and permanently closed the wells in January 2001. No longer diverting, wells abandoned.					
MRM INDUSTRIES, INC.	MRM INDUSTRIES WELL #1	5206-003-IND-GR	MERIDEN	0.2160		
<b>Description</b> Well for washing and cooling water	<b>Notes</b> Well for wash and process located north of the plant in Harbor Brook Basin. 150 gpm (.216 mgd) capacity.					
QUINLAN	COGGINS WELL #1	5206-010-IND-GR	MERIDEN	0.1600		
<b>Description</b> INDUSTRIAL PROCESS, SANITARY, AND COOLING WELL	<b>Notes</b> Formerly used for process water and cooling water. discharge to Clark Brook. Well registration transferred to Russell Quinlan on 6/26/90 per data in a 4/22/91 letter from J B C M Company P.O. Box 5006, Meriden, CT. Use of well limited to similar to what was registered by Coggins.					

**DIVERSION REGISTRATIONS IN:****HARBOR BROOK****5206**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)
SILVER LAND, INC.	SILVER LAND WELL #1	5206-002-IND-GR	MERIDEN	0.2520	
<b>Description</b> Industrial and fire protection well	<b>Notes</b> Industrial well located 2000' north of Bishops Pond. System includes a 200,000 gal tank and a pump house.				

VETERANS MEMORIAL MEDICAL CENTER	VMMC WELL #1	5206-012-IND-GR	MERIDEN	0.0720	
<b>Description</b> Well for Boiler and cooling tower	<b>Notes</b> Well for Boiler and cooling tower. No map was provided. Depth of well unknown. DATA NEEDED, get a map and well log if available. NOI Response rec'd 5/18/95, map and well data provided. NOI Ack letter dated 6/21/95 sent listing VMMC well # at 0.0720 mgd.				

**DIVERSION REGISTRATIONS IN:****MILL BROOK**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
FARMS COUNTRY CLUB	FARMS CC POND #1	\$302-015-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Golf Course pond - no use of the water	<b>Notes</b> Did not register withdrawal capacity from the pond.					
FARMS COUNTRY CLUB	FARMS CC POND #2	\$302-016-IRR-IM	WALLINGFORD	0.1296		
<b>Description</b> Golf Course pond - 2003 petition - trans to pd #4	<b>Notes</b> Pond on golf course. No consumptive use of the water. Petition to correct letter rec'd 4/14/2003 addressed to Denise Ruzicka. Claims Pond was used as source of irrigation water. Was known as the Gaylord Pumphouse. Petition letter states that Pond #2 had a pumped transfer to pond #4 installed in 1977. This fact was not represented on the original registration documents. Petition conditionally approved June 2003.					
FARMS COUNTRY CLUB	FARMS CC POND #3	\$302-017-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Golf Course pond - no use of the water	<b>Notes</b> Pond on golf course. No consumptive use of the water.					
FARMS COUNTRY CLUB	FARMS CC POND #6	\$302-018-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Golf Course pond - no use of the water	<b>Notes</b> Pond on golf course. No consumptive use of the water.					
FARMS COUNTRY CLUB	FARMS CC WELL #1	\$302-003-IRR-GR	WALLINGFORD	0.0432		
<b>Description</b> Irrigation well for golf course	<b>Notes</b> No drilling logs. Depth unknown. Installed in 1968.					
FARMS COUNTRY CLUB	FARMS CC WELL #2	\$302-013-IRR-GR	WALLINGFORD	0.0576		
<b>Description</b> Irrigation well for golf course	<b>Notes</b> No drilling logs. Depth unknown. Installed in 1968.					
FARMS COUNTRY CLUB	FARMS CC WELL #3	\$302-014-IRR-GR	WALLINGFORD	0.0000		
<b>Description</b> Irrigation well for golf course	<b>Notes</b> No drilling logs. Depth unknown. Installed in 1968. Petition to correct letter rec'd 4/14/2003 addressed to Denise Ruzicka. Petition letter states that Well#3 was used to supply Pond#3 or Pond#4 since 1966. This fact was not represented on the original registration documents. Petition conditionally approved June 2003.					

**DIVERSION REGISTRATIONS IN:****MILL BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
FARMS COUNTRY CLUB	FARMS CC WELL #4	5302-019-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Hand operated? golf course well	<b>Notes</b> Did not have depth, diameter, type or capacity on the documents. Noted it was "hand". More data is needed to register.					
FARMS COUNTRY CLUB	FARMS CC WELL #5	5302-020-IRR-GR	WALLINGFORD	0.0000		
<b>Description</b> Hand operated? golf course well	<b>Notes</b> Did not have depth, diameter, type or capacity on the documents. Noted it was "hand". More data is needed to register.					
FARMS COUNTRY CLUB	FARMS CC WELL #6	5302-021-IRR-GR	WALLINGFORD	0.0000		
<b>Description</b> Hand operated? golf course well	<b>Notes</b> Did not have depth, diameter, type or capacity on the documents. Noted it was "not in use". More data is needed to register.					
LEED-HIMMEL INDUSTRIES, INC.	LEED-HIMMEL WELL #1	5302-013-IND-GR	HAMDEN	1.0080		
<b>Description</b> Well supplying process and cooling water	<b>Notes</b> No petitions. Acknowledgments ltr sent 7/9/99 PA sent had data for both wells. Did not separate the wells.					
LEED-HIMMEL INDUSTRIES, INC.	LEED-HIMMEL WELL #2	5302-014-IND-GR	HAMDEN	0.3168		
<b>Description</b> Well supplying process and cooling water	<b>Notes</b> No petitions. Acknowledgment letter sent 7/9/99. PA sent had data for both wells. Did not separate the wells.					
QUINNIPAC ENERGY, LLC	MILL RIVER ENGLISH STATION LOW PRESS INTAK	5302-010-PWR-RI	NEW HAVEN	216.0000		
<b>Description</b> Low pressure units intake	<b>Notes</b> Mill River English Station Low Pressure units intake located west shore of Mill River below Grand Street Bridge. Ack letter 9/15/83 listed low pressure units intake at 35 mgd. Transfer request being processed March/April 2000. PA 02-102 exemption for power plants provided they provide estimate of water needed to comply with env regs. Letter dated 1/15/2003 rec'd 1/21/2003 from Denning Powell of Advance Environmental Interface, Inc. reported that the max rated flow needed at this low pressure intake is 216 mgd. Also reported that this diversion is being permanently closed off by current construction and may be removed from the records.					
QUINNIPAC ENERGY, LLC	MILL RIVER ENGLISH STATION UNIT #7	5302-011-PWR-RI	NEW HAVEN	82.8000		
<b>Description</b> Condensor intake	<b>Notes</b> Mill River English Station Unit #7 intake located west shore of Mill River below Grand Street Bridge. Ack letter 9/15/83 listed Unit #7 condenser intake at 82 mgd. Transfer request being processed March/April 2000. PA 02-102 exemption for power plants provided they provide estimate of water needed to comply with env regs. Letter dated 1/15/2003 rec'd 1/21/2003 from Denning Powell of Advance Environmental Interface, Inc. reported that the max rated flow needed at this unit 7 intake is 82.8 mgd.					

**DIVERSION REGISTRATIONS IN:****MILL BROOK****5302****Registered Max****Withdrawal Capacity****Registrant****Name of diversion****Registration #****Town****Individual(mgd)****System(mgd)**

**DIVERSION REGISTRATIONS IN:****MILL BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	MOUNT CARMEL WELL #02	5302-002-PWS-GR	HAMDEN	1.0008		
Description	Public Water Supply Well	Notes	Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 7/1/64 indicated a max wd of 1.205 mgd for #2 and a total of 2.568 mgd for the well field #1 and #2. Memo 11/27/90 to file from WW indicated that the wells would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the Mount Carmel Well Field at a max wd of 2.5 mgd.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	MOUNT CARMEL WELL FIELD - WELLS 1A & 2	5302-003-PWS-GR	HAMDEN	2.5680		
Description	Public water supply well field	Notes	Acknowledgment letter dated 7/10/91 listed the Mount Carmel Well Field at a max wd of 2.5 mgd and did not give an individual well max wds.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	SOUTH CHESHIRE WELL #01	5302-004-PWS-GR	CHESHIRE	1.4976		
Description	Public Water Supply Well	Notes	Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 6/20/87 indicated a max wd of 2.423 mgd for South Cheshire Well field. Memo 11/27/90 to file from WW indicated that the wells would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the South Cheshire Well Field at a max wd of 2.5 mgd.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	SOUTH CHESHIRE WELL #02	5302-005-PWS-GR	CHESHIRE	1.0008		
Description	Public Water Supply Well	Notes	Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 6/20/87 indicated a max wd of 2.423 mgd for South Cheshire Well field. Memo 11/27/90 to file from WW indicated that the wells would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the South Cheshire Well Field at a max wd of 2.5 mgd.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	SOUTH CHESHIRE WELL FIELD- WELLS 1,2	5302-022-PWS-GR	CHESHIRE	2.5000		
Description	Public Water Supply Well Field	Notes	Petition letter dated 8/7/90 included flow records from 6/20/87 indicated a max wd of 2.423 mgd for South Cheshire Well field. Memo 11/27/90 to file from WW indicated that the wells would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the South Cheshire Well Field at a max wd of 2.5 mgd.			

**DIVERSION REGISTRATIONS IN:****MILL BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	SOUTH SLEEPING GIANT WELL #01	5302-006-PWS-GR	HAMDEN	1.7000	

**Description** Public Water Supply Well    **Notes** Only one well in the well field. Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided and the date the well was brought on line in 1982. Petition letter dated 8/7/90 included flow records from 7/18/83 indicated a max wd of 1.7 mgd for South Sleeping Giant Well but not when the date the well was brought on line. Memo 11/27/90 to file from WW indicated that the documentation was needed regarding the date the well was placed into service. Acknowledgment letter dated 7/10/91 listed the South Sleeping Giant Well at a max wd of 1.7 mgd.

**DIVERSION REGISTRATIONS IN:****MISERY RIVER****5203**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #7	5203-001-PWS-GR	SOUTHINGTON	1.4943		
Description Public Water Supply Well	Notes Located at the Water Department. Reg in 83 at 1000 gpm. Petition letter 8/14/91 requested 1038 gpm (1.4970 mgd) based on a KYPipes model of the system. Node map and printout included showing pipe #91 at 1037.70 gpm. Also included a circular recording chart showing a peak of 1.3 mgd during the week of 7/9/76.					

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #8	5203-002-PWS-GR	SOUTHINGTON	1.3536		
Description Public Water Supply Well	Notes Reg in 83 at 900 gpm. Petition letter 8/14/91 requested 900 gpm (1.2960 mgd) based circular chart recorder record for the week of 1/6/82 which actually indicated 930 - 940 gpm (1.3536 mgd). Also included KYPipes model of the system. Node map and printout included showing pipe #92 at 896.95 gpm. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #8 at 1.296 mgd (900 gpm). New Ack letter 6/3/94 sent which lists Well #8 at 1.3536 mgd (940 gpm).					

**DIVERSION REGISTRATIONS IN:****5208****MUDDY BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
PELL	PELL - NORTH HAVEN FARM POND	5208-006-AGR-IM	NORTH HAVEN	1.6500		
<b>Description</b>	Farm pond with 2 irrigation pumps	<b>Notes</b>	Farm pond with 1.65 mgd (1150 gpm) combined capacity irrigation pumps. Water used for irrigation of strawberry and Christmas tree crops. Confirmation of registration ltr dated 12/15/99.			
PELL	PELL - NORTH HAVEN MUDDY RIVER PUMP	5208-007-AGR-RI	NORTH HAVEN	1.2000		
<b>Description</b>	Irrigation pump at Muddy River	<b>Notes</b>	Irrigation pump 1.2 mgd (833 gpm) located on bank of Muddy River (Pine River according to Town street map). Water used for irrigation of strawberry and Christmas tree crops. Confirmation of registration ltr dated 12/15/99.			
PELL	PELL - NORTH HAVEN STREAM IRRIGATION PUMP	5208-008-AGR-RI	NORTH HAVEN	1.6500		
<b>Description</b>	2 pumps on unnamed stream (Trib. Muddy River)	<b>Notes</b>	Two irrigation pumps 1.65 mgd (1150 gpm) located on bank of unnamed tributary of Pine River (according to Town street map) or Muddy River according to USGS topo. Water used for irrigation of strawberry and Christmas tree crops. Confirmation of registration ltr dated 12/15/99.			
WALLINGFORD WATER DEPT	MACKENZIE RES FILTER	5208-002-PWS-IM	WALLINGFORD	4.2500		
<b>Description</b>	3 20" Intakes to 20" to Filter Plant	<b>Notes</b>	Petition letter dated 6/26/90 did not list the dam intakes but said "MacKenzie Reservoirs MacKenzie Filter Plant". The Report from Henry Southern Engineering stated on page 52 that the maximum capacity of the plant is 4.4 mgd and the capacity of the three low lift pumps was 4.25 mgd, which was requested in the petition. The August 20, 1990 response letter from Tom Morrissey did not address the three intakes or the capacity of the filter plant. Petition letter dated 1/13/90 provided reservoir stage information for 1964 - 1967. Petition letter FAXed 7/25/90 included four sketches showing the surface water diversions and had written 4.25 mgd next to the MacKenzie Filter Plant. The December 27, 1990 petition letter did not address these intakes. Acknowledgment letter dated 4/2/91 did not list the intakes.			
WALLINGFORD WATER DEPT	MACKENZIE RES PUMP STA	5208-003-PWS-IM	WALLINGFORD	5.0400		
<b>Description</b>	24" intake Raw Water PS to Ulbrich Reservoir	<b>Notes</b>	Petition letter dated 6/26/90 requested a capacity of 5.04 mgd as the water transfer capacity and listed the diversion as "MacKenzie Reservoir/MacKenzie Dam Water Transfer Pump Station". August 20, 1990 response letter from Tom Morrissey stated that a report dated 2/8/82 indicated that the MacKenzie pump station had a capacity of 3.24 and was to be upgraded to 5.18 mgd. Petition letter dated 1/13/90 supplied additional copy of pump details and performance curves showing an as built installation date of 4/82. Petition letter FAXed 7/25/90 included four sketches showing the surface water diversions and had 5.04 mgd marked next to the MacKenzie Pump Station. The December 27, 1990 petition letter did not address this registration but mentioned the use of variable speed pumping or timers to regulate the output of the station to the registered amount until the diversion permit was issued. Acknowledgment letter dated 4/2/91 listed this diversion having a max withdrawal capacity of 5.04 mgd.			

**DIVERSION REGISTRATIONS IN:****5208****MUDDY BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
WALLINGFORD WATER DEPT	MACKENZIE RES RAW WATER	5208-004-PWS-IM	WALLINGFORD	3.0000		
<b>Description</b> Raw Water Pump @ Filter Plant to Pistaapaug Res	<b>Notes</b> Not included in original registrations. Petition letter dated 6/26/90 listed "MacKenzie Reservoir/Raw Water Transfer Pump @ MacKenzie Filter Plant" as INACTIVE. No backup computations could be found. The 1976 Henry Souther Engineering Report stated on page 54 that it is a high lift Worthington pump with a 200 hp motor which is no longer being used. The August 20, 1990 response letter from Tom Morrissey did not address the 3.0 mgd raw water pump. Petition letter dated 11/13/90 did not provide any further data. Petition letter FAXed 7/25/90 included four sketches showing the surface water diversions and had written "Raw water transfer pump (3.0 mgd)" next to the MacKenzie Filter Plant. The December 27, 1990 petition letter did not address these intakes. Acknowledgment letter dated 4/2/91 listed the raw water pump @ Mackenzie Filter Plant as 3.00 mgd.					

WALLINGFORD WATER DEPT

**Description** 24" Intake to Raw Water PS to Pistaapaug Res

ULBRICH RES AKA SPRING BK

**Notes** Petition letter dated 6/26/90 requested a capacity of 5.76 mgd as the water transfer capacity and listed the diversion as "Spring Brook Reservoir/Ulbrich raw water transfer pump station". August 20, 1990 response letter from Tom Morrissey stated that a report dated 2/8/82 indicated that the Ulbrich pump station had a capacity of 3.24 and was to be upgraded to 5.47 mgd. Petition letter dated 11/13/90 supplied additional copy of pump details and performance curves showing an as built installation date of 4/82. Petition letter FAXed 7/25/90 included four sketches showing the surface water diversions and had 5.76 mgd marked next to the Ulbrich Pump Station. The December 27, 1990 petition letter did not address this registration but mentioned the use of variable speed pumping or timers to regulate the output of the station to the registered amount until the diversion permit was issued. Acknowledgment letter dated 4/2/91 listed this diversion having a max withdrawal capacity of 5.76 mgd.

5208-005-PWS-IM WALLINGFORD 5.7600

A.7 Registered Diversions

**DIVERSION REGISTRATIONS IN:**

**QUINNIPAC RIVER**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.01	5200-010-IND-GR	NORTH HAVEN	0.7200		
<b>Description</b> Industrial Process Well	<b>Notes</b> Pratt North Haven Well #1 used for industrial process. Capacity 500 gpm (0.72 mgd).					
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.02	5200-011-IND-GR	NORTH HAVEN	0.7200		
<b>Description</b> Industrial Process Well	<b>Notes</b> Pratt North Haven Well #2 used for industrial process. Capacity 500 gpm (0.72 mgd).					
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.03	5200-012-IND-GR	NORTH HAVEN	0.7200		
<b>Description</b> Industrial Process Well	<b>Notes</b> Pratt North Haven Well #3 used for industrial process. Capacity 500 gpm (0.72 mgd).					
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.04	5200-013-IND-GR	NORTH HAVEN	0.7200		
<b>Description</b> Industrial Process Well	<b>Notes</b> Pratt North Haven Well #4 used for industrial process. Capacity 750 gpm (1.08 mgd).					
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.05	5200-014-IND-GR	NORTH HAVEN	0.7920		
<b>Description</b> Industrial Process Well	<b>Notes</b> Pratt North Haven Well #5 used for industrial process. Capacity 550 gpm (0.792 mgd).					
415 WASHINGTON AVENUE PARTNERS LLC	NORTH HAVEN WELL NO.06	5200-015-IND-GR	NORTH HAVEN	1.1520		
<b>Description</b> Industrial Process Well - by Quinnipiac River	<b>Notes</b> Pratt North Haven Well #6 used for industrial process. Capacity 800 gpm (1.1520 mgd).					
ALLEGHENY LUDLUM STEEL CORP.	ALLEGHENY LUDLUM - WITHDRAWAL FROM QUI	5200-001-IND-RI	WALLINGFORD	3,0000		
<b>Description</b> Diversion canal, head gates, race, pump station	<b>Notes</b> Dam with head gates discharging to a head race and into the pump station. Pump station capacity 3 mgd (2100 gpm).					
ALLEGHENY LUDLUM STEEL CORP.	ALLEGHENY LUDLUM WELL	5200-002-IND-GR	WALLINGFORD	1.8000		
<b>Description</b> Well for general industrial use	<b>Notes</b> Well located between building T 5 and the Quinnipiac River @ the gauging station. Capacity 1250 gpm (1.8 mgd).					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER****5200**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 01	5200-016-IND-GR	SOUTHBINGTON	0.0000		
<b>Description</b> Inactive industrial water supply well	<b>Notes</b> Registered as INACTIVE. Industrial Proces Water. Pump size/cap not included and is unknown. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and only the capacity of Nos. 2 and 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 02	5200-017-IND-GR	SOUTHBINGTON	0.5040		
<b>Description</b> Industrial water supply well	<b>Notes</b> Registered as ACTIVE. Industrial Proces Water. Pump size 350 gpm. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and the capacity of this and No 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 03	5200-018-IND-GR	SOUTHBINGTON	0.0000		
<b>Description</b> Inactive industrial water supply well	<b>Notes</b> Registered as INACTIVE. Industrial Proces Water. Pump size/cap not included and is unknown. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and only the capacity of Nos. 2 and 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 04	5200-019-IND-GR	SOUTHBINGTON	0.0000		
<b>Description</b> Inactive industrial water supply well	<b>Notes</b> Registered as INACTIVE. Industrial Proces Water. Pump size/cap not included and is unknown. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and only the capacity of Nos. 2 and 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 05	5200-020-IND-GR	SOUTHBINGTON	0.0000		
<b>Description</b> Inactive industrial water supply well	<b>Notes</b> Registered as INACTIVE. Industrial Proces Water. Pump size/cap not included and is unknown. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and only the capacity of Nos. 2 and 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 06	5200-021-IND-GR	SOUTHBINGTON	0.0000		
<b>Description</b> Inactive industrial water supply well	<b>Notes</b> Registered as INACTIVE. Industrial Proces Water. Pump size/cap not included and is unknown. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and only the capacity of Nos. 2 and 7. No petition received.					
CHEROKEE SOUTHBINGTON LLC	SOUTHBINGTON WELL NO. 07	5200-022-IND-GR	SOUTHBINGTON	0.5040		
<b>Description</b> Industrial water supply well	<b>Notes</b> Registered as ACTIVE. Industrial Proces Water. Pump size 350 gpm. Registration acknowledgment letter dated 6/21/83 listed the 7 Southington wells and the capacity of this and No 2. No petition received.					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
CYTEC INDUSTRIES INC.	QUINNIPIAC RIVER SAND FILTER	5200-031-IND-RI	WALLINGFORD	1.1500		
<b>Description</b> In-line filter/pump to Ranney Cassion	<b>Notes</b> Not petitioned. No description provided in registration documents. Letter dated 3/30/92 from Groundwater Inc. re: using the Ranney 13' cassion well as a storage tank and filling with it with the Sand Filter water direct from the river. Letter 4/14/92 from Groundwater Inc. to Rivard at DOHS requesting approval for use of Ranney cassion as a tank. Letter dated 4/23/92 from TMM asked for petition letter from Cyanamid regarding the capacity and operation of the Sand filter and Ranney Well system.					
CYTEC INDUSTRIES INC.	RANNEY CASSION (STORAGE ONLY)	5200-032-IND-GR	WALLINGFORD	0.0000		
<b>Description</b> Caisson with 6 radial screen laterals	<b>Notes</b> Reg in 83 at 2850 gpm (4,104 mgd) pump capacity. Letter 1/16/91 rec'd from Groundwater Inc. regarding replacing Ranney well with one or more wells. Letter from TMM 1/29/91 requested site map and drawdown analysis. Letter 3/11/91 from Groundwater Inc provided maps and analysis. Letter dated 3/15/91 from TMM exempted construction of 3 replacement wells and recommended abandonment method. Letter dated 3/30/92 from Groundwater Inc requested that the Ranney caisson not be plugged and abandoned and rather used as a storage tank (Capacity of 433 cy (0.0874 mg) provided in 3/11/91 letter). Water from Sand filter would be pumped into the caisson. Letter 4/14/92 from Groundwater Inc to DOHS (Robert Rivard) requested same and stated that the caisson was previously being used to store sand filter water as it had no capacity. Letter 4/23/92 from TMM requested that Cyanamid petition to correct the registration for the Ranney Well/Sand Filter system. Letter dated 7/12/95 received with data on Ranney Cassion Well Diversion Capabilities. Included Water Consumption Reports from May 1981 to March 1982. October 1981 report noted Ranney well rated at 1500 gpm but actually used at a rate of 2598 gpm (3,740 mgd). Included also a site map showing the locations of some of the wells. Ack letter dated 9/29/95 sent listing Ranney well at 0 withdrawal capacity, 0.0874 mg storage. Replacement well (well #4) also listed.					
CYTEC INDUSTRIES INC.	WELL #02 P4	5200-033-IND-GR	WALLINGFORD	2.5200		
<b>Description</b> Production well	<b>Notes</b> Registered, but not clearly indicated on map. No petition. get map showing location. NOI dated 4/17/95 sent. Map received with NOI Response dated 7/12/95. Shows Well #2 as gravel well having pump #4 installed. Well located north of the wastewater treatment plant at the property boundary. NOI Ack letter dated 9/29/95 sent listing well #2.					
CYTEC INDUSTRIES INC.	WELL #03 P5	5200-034-IND-GR	WALLINGFORD	1.4400		
<b>Description</b> Production well	<b>Notes</b> Registered, but not clearly indicated on map. No petition. get map showing location. NOI dated 4/17/95 sent. Map received with NOI Response dated 7/12/95. Shows Well #3 as gravel well #5 installed and labeled "Standby Well". Well located at north side of the wastewater treatment plant. NOI Ack letter dated 9/29/95 sent listing well #3.					
CYTEC INDUSTRIES INC.	WELL #04 P6 REPLACES RANNEY CASSION CAPAC	5200-035-IND-GR	WALLINGFORD	1.0800		
<b>Description</b> Replacement well approx 100' N of RANNEY CAISSON	<b>Notes</b> Called Charlie Campaneri 9/27/95 left message saying need capacity size, etc. of replacement wells. Called back on 9/28/95 will provide. This well, along with Well #9 and #10, was drilled to replace a portion of the capacity of the Ranney Caisson Well. Pump capacity of 700 gpm (1.08 mgd). Two other wells were drilled no pumps installed yet.					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER****5200**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
CYTEC INDUSTRIES INC.	WELL #09 P9 REPLACES RANNEY CASSION CAPAC	5200-036-IND-GR	WALLINGFORD	0.0000		
<b>Description</b> Replacement well near RANNEY CAISSON (no pump)	<b>Notes</b> This well, along with Well #4 and #10, was drilled to replace a portion of the capacity of the Ranney Caisson Well. Pump capacity of 0 gpm (pump not installed yet.)					
CYTEC INDUSTRIES INC.	WELL #10 P10 REPLACES RANNEY CASSION CAPA	5200-037-IND-GR	WALLINGFORD	0.0000		
<b>Description</b> Replacement well near RANNEY CAISSON (no pump)	<b>Notes</b> This well, along with Well #4 and #9, was drilled to replace a portion of the capacity of the Ranney Caisson Well. Pump capacity of 0 gpm (pump not installed yet.)					
EYELET SPECIALTY CO., INC.	EYELET SPECIALTY PLANT RESERVOIR	5200-038-IND-IM	WALLINGFORD	0.0000		
<b>Description</b> Impoundment with 1000 gpm withdrawal	<b>Notes</b> Reservoir with industrial non-contact cooling water withdrawal. Pump capacity 1000 gpm (1.44 mgd). UPDATE 1/21/98; OUT OF BUSINESS. ABANDONED REGISTRATION.					
EYELET SPECIALTY CO., INC.	EYELET SPECIALTY WELL 001	5200-039-IND-GR	WALLINGFORD	0.0000		
<b>Description</b> Well supplementing city water used for process	<b>Notes</b> Industrial well in Wallingford. No location map found in file. Pump capacity 200 gpm (.288 mgd). UPDATE 1/21/98; OUT OF BUSINESS. ABANDONED REGISTRATION.					
FARMS COUNTRY CLUB	FARMS CC POND #4	5200-068-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Golf Course pond - no use	<b>Notes</b> Pond on golf course. No consumptive use of the water of the water					
FARMS COUNTRY CLUB	FARMS CC POND #5	5200-069-IRR-IM	WALLINGFORD	0.0000		
<b>Description</b> Golf Course pond - no use	<b>Notes</b> Pond on golf course. No consumptive use of the water of the water					
FARMS COUNTRY CLUB	FARMS CC POND #7	5200-070-IRR-IM	WALLINGFORD	1.0000		
<b>Description</b> Golf Course pond with withdrawals	<b>Notes</b> They registered two 300 gpm pumps and one 100 gpm pump for withdrawals from Pond #7. Water used for golf course irrigation. Max withdraw capacity exceeds					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
GEREMIA	FORMER KOGUT - IVES POND	5200-046-AGR-IM	WALLINGFORD	0.0000		
<b>Description</b> Farm pond on Spruce Glenn Brook	<b>Notes</b> Ives Pond located on Spruce Glen Brook at the end of Tankwood Road. No reported withdrawals. See 1995 letter reply to NOI. Brian Kogut stated that there were irrigation withdrawals prior to July 1, 1982, but did not provide any data regarding volumes or pump capacities or practice. No PA02-102 report was provided.					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - ANN STREET POND	5200-045-AGR-IM	MERIDEN	1.1520		
<b>Description</b> Farm pond/pumps on Meetinghouse Brook	<b>Notes</b> Ann Street Pond located at headwaters to Meetinghouse Brook north of Ann street in Meriden. Withdrawals by a Rain Mate 700 gpm (1.008 mgd) pump and a Homelite 100 (0.144 mgd) pump for a maximum of 800 gpm (1.152 mgd).					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - MEETINGHOUSE POND	5200-047-AGR-IM	MERIDEN	0.0000		
<b>Description</b> pond adjacent to Yale Ave	<b>Notes</b> Meetinghouse Pond located on Meetinghouse Brook adjacent to Yale Ave at the Meetinghouse Village Apartments. No reported withdrawals.					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - WELL #1	5200-048-AGR-GR	MERIDEN	0.5760		
<b>Description</b> Farm Well	<b>Notes</b> Farm well located at intersection of Swain Ave and Miller Ave in Meriden. Pump Capacity 400 gpm (.576 mgd).					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - WILKENSON POND	5200-049-AGR-IM	WALLINGFORD	0.0000		
<b>Description</b> Pond at end of Tankwood Road	<b>Notes</b> Wilkenson Pond located on Spruce Glen Brook. No reported withdrawals.					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - WITHDRAWAL FROM MEETINGHOUSE B	5200-050-AGR-R1	MERIDEN	0.2880		
<b>Description</b> Irrigation pump at Rasted Lane	<b>Notes</b> Irrigation withdrawals from Meetinghouse Brook at Rasted Lane. Pump capacity 200 gpm (.288 mgd)					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - YALE POND #1	5200-051-AGR-IM	MERIDEN	2.8800		
<b>Description</b> Irrigation pond/pump access from Yale Ave	<b>Notes</b> Irrigation pond located between Yale and South Curtis Avenues in southern Meriden. Withdrawals by a Tiro Master 2000 gpm (2.88 mgd) pump.					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - YALE POND #2	5200-052-AGR-IM	MERIDEN	1.5840		
<b>Description</b> Irrigation pond/pump access from Yale Ave	<b>Notes</b> Irrigation Yale Pond #2 located between Yale and South Curtis Avenues in southern Meriden. Withdrawals by a Willis 1000 gpm (1.44 mgd) pump and a Homelite 100 gpm (0.144 mgd) for a total of 1100 gpm (1.584 mgd).					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER****5200**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - YALE POND #3	5200-053-AGR-IM	MERIDEN	0.1440		
<b>Description</b> Irrigation pond/pump access from Yale Ave	<b>Notes</b> Irrigation Yale Pond #3 located between Yale and South Curtis Avenues in southern Meriden. Withdrawals by a Homelite 100 gpm (0.144 mgd) pump.					
KOGUT FLORIST & NURSERYMAN, INC	KOGUT - YALE POND #4	5200-054-AGR-IM	MERIDEN	2.8800		
<b>Description</b> Irrigation pond/pump access from Yale Ave	<b>Notes</b> Irrigation Yale Pond #4 located between Yale and South Curtis Avenues in southern Meriden. Withdrawals by a Aqua-Flo 2000 gpm (2.88 mgd) pump.					
KOPPEL PHOTO ENGRAVING	KOPPEL WELL #1	5200-055-IND-GR	BRANFORD	0.0864		
<b>Description</b> Well for industrial process	<b>Notes</b> Well registered for industrial use.					
MERIDEN WATER DEPT	DOSSIN BEACH WELL	5200-025-PWS-GR	MERIDEN	1.2186		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1949 and had a capacity of GPM (X1000); 1218.626, which is interpreted to be 846 gpm (1.2186 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP but no production data. The table indicates a peak day rate of 1.218626 mgd on 1/26/65 and a pump capacity of 0.432 mgd (300 gpm). An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of 1.000 mgd for the Dossin Beach well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Listed on Ack letter sent 4/4/94.					
MERIDEN WATER DEPT	EVANSVILLE AVE EAST 8" WELL	5200-026-PWS-GR	MERIDEN	0.5011		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1950 and had a capacity of GPM (X1000); 501.055, which is interpreted to be 348 gpm (0.501055 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 2 from the WSP and a production graph. The table indicates a peak day rate of 0.501055 mgd on 1/5/66 and a pump capacity of 0.501 mgd (348 gpm). The graph indicates a peak flow of 0.501055 mgd (348 gpm) in 1/67 (monthly average). An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of 0.501 mgd (348 gpm) for the Evansville Ave East 8" Well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. use the 0.5011 mgd as actual capacity into the system. Listed on Ack letter sent 4/4/94.					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER****5200  
Registered Max  
Withdrawal Capacity**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>
MERIDEN WATER DEPT	EVANSVILLE AVE EAST WELL	5200-027-PWS-GR	MERIDEN	1.3593	
<b>Description</b>	Public Water Supply Well	<b>Notes</b>	Well installed 1970, Pump listed at .7 gpm (taken as 700 gpm). Petition letter 7/18/91 provided new pump capacity of 1166.4 gpm (X1000). Assumed to mean 1.1664 mgd. Also changed depth from 70' to 80'. Petition letter 7/24/91 provided copy of 7/18/91 letter, table 2 from WSP, and a production graph. Table 2 lists Evansville East well peak day flow 1.359267 mgd on 7/7/4 (monthly ave) and a pump capacity of 1.152 mgd. Production graph showed same peak. An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Evansville East Well at 1.36 mgd (944 gpm). Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP and same table as above. Listed on Ack letter sent 4/4/94. Use the 1.359267 mgd figure (1.3593)-		
MERIDEN WATER DEPT	EVANSVILLE AVE WEST WELL	5200-028-PWS-GR	MERIDEN	1.3871	
<b>Description</b>	Public Water Supply Well	<b>Notes</b>	Well installed 1970, Pump listed at .8 gpm (taken as 800 gpm). Petition letter 7/18/91 provided new pump capacity of 1828.2 gpm (X1000). Assumed to mean 1.8282 mgd. Also changed depth from 70' to 62'. Petition letter 7/24/91 provided copy of 7/18/91 letter, table 2 from WSP, and a production graph. Table 2 listed Evansville West well having a peak day flow of 1.8288 mgd and a pump cap of 1.152 mgd (as registered). Production graph indicated that the well was pump tested at 1.270 gpm (1.8288 mgd) but actually the maximum discharge was 1.3870684 mgd on 3/7/9 (monthly average). An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Evansville West Well at 1.83 mgd (1271 gpm). Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP and same table as above. Use the 1.3871 mgd figure as it represents on line production - (City could confirm connection to system during pump test). Listed on Ack letter sent 4/4/94.		
MERIDEN WATER DEPT	SAWMILL WELL	5200-029-PWS-GR	MERIDEN	0.8640	
<b>Description</b>	Public Water Supply Well	<b>Notes</b>	Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 1965 and had a capacity of GPM (X1000); 864, which is interpreted to be 600 gpm (0.8640 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, production data and Table 2 from the WSP. Production data and the table indicate a pump test rate of 500 gpm and a peak day production of .864 mgd on 1/67 (monthly average). An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of .864 mgd for the sawmill well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Listed on Ack letter sent 4/4/94. 11/14/97 call from Vincent Mascia (Wallingford Water Dept): The well (located in Wallingford near Meriden Landfill) was contaminated, abandoned, and now is being used as a barrier well to protect Wallingfords supply wells nearby. Part of the Landfill closure. It appears to have cleared up. Pumped to waste at a rate of 250 gpm. Meriden was ordered to close the Sawmill well in the early 80's. Wallingford would not endorse an effton on the part of Meriden to reactivate the Sawmill Well for water supply. Doesn't want to put restrictions on the land in Wallingford which would be part of the aquifer protection district.		
NEW BRITAIN WATER DEPT	PATTON BROOK WELL	5200-003-PWS-GR	SOUTHINGTON	0.0000	
<b>Description</b>	Public Water Supply Well (leased to Southington)	<b>Notes</b>	Owed by New Britain. Leased to Southington Water Department. Lease expiring June 2003. Withdrawal rate at 0.0000 to avoid confusion with the Southington Water Dept record for this well. Petition letter dated 1/31/91 did not include Patton Brook Well. Acknowledgment letter dated 4/4/91 included Patton Brook Well having a capacity of 1.207 mgd. Petition letter 8/14/91 from SOUTHTINGTON WATER WORKS included records indicating that the well has a capacity of 932 gpm (1.3421 mgd). REGISTRATION NUBMER is same as for SOUTHTINGTON WATER DEPT.		

**DIVERSION REGISTRATIONS IN:****QUINNIPAC RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
NEW HAVEN DEPARTMENT OF PARKS	HEMINGWAY POND	5200-044-IRR-IM	NEW HAVEN	0.9360		
<b>Description</b> Irrigation pond for Alling Memorial Golf Course	<b>Notes</b> Farm pond on small brook located south of East Johnson Ave and east of Route 10 in Cheshire. Used to irrigate 70 acres of vegetables (sweet corn, peppers, eggplant, cabbage, lettuce, tomatoes, string beans, other cole crops, and strawberries). Ack letter 10/11/83 sent listing the pond and pond/irrigation pump with a wd cap of 0.936 mgd.					
PASQUALONI BROTHERS	PASQUALONI'S FARM POND	5200-056-AGR-IM	CHESHIRE	0.7200		
<b>Description</b> Farm pond with 500 gpm irrigation pump	<b>Notes</b> Pump station on Quinnipiac River with a 500 gpm irrigation pump. Along with pond, used to irrigate 70 acres of vegetables (sweet corn, peppers, eggplant, cabbage, lettuce, tomatoes, string beans, other cole crops, and strawberries). Ack letter 10/11/83 sent listing the Quinnipiac River and a wd cap of 1.44 mgd. There are two separate 500 gpm pumps.					
PASQUALONI BROTHERS	PASQUALONI'S QUINNIPAC RIVER WITHDRAWAL	5200-057-AGR-RI	CHESHIRE	0.7200		
<b>Description</b> Pump house with 500 gpm irrigation pump	<b>Notes</b> Pump station on Quinnipiac River with a 500 gpm irrigation pump. Along with pond, used to irrigate 70 acres of vegetables (sweet corn, peppers, eggplant, cabbage, lettuce, tomatoes, string beans, other cole crops, and strawberries). Ack letter 10/11/83 sent listing the Quinnipiac River and a wd cap of 1.44 mgd. There are two separate 500 gpm pumps.					
PASQUALONI BROTHERS	PASQUALONI'S QUINNIPAC RIVER WITHDRAWAL	5200-058-AGR-RI	CHESHIRE	0.7200		
<b>Description</b> Pump house with 500 gpm irrigation pump	<b>Notes</b> Pump station on Quinnipiac River with a 500 gpm irrigation pump. Along with pond, used to irrigate 70 acres of vegetables (sweet corn, peppers, eggplant, cabbage, lettuce, tomatoes, string beans, other cole crops, and strawberries). Ack letter 10/11/83 sent listing the Quinnipiac River and a wd cap of 1.44 mgd. There are two separate 500 gpm pumps.					
PASQUALONI BROTHERS	PASQUALONI'S WELL #1	5200-059-AGR-GR	CHESHIRE	0.0432		
<b>Description</b> Farm Well used for irrigation & greenhouses	<b>Notes</b> Farm Well located adjacent to East Johnson Ave in Cheshire. Used to irrigate vegetables and bedding plants in greenhouse operations. Ack letter 10/11/83 sent listing well #1 with "unknown" capacity. They need to provide the pump capacity. NOI response rec'd 10/16/95 and was a letter from SIMA Drilling Co. Well #1 has a 30 gpm (0.0432 mgd) set at 140'. Ack letter dated 10/26/95 sent.					
PASQUALONI BROTHERS	PASQUALONI'S WELL #2	5200-060-AGR-GR	CHESHIRE	0.0259		
<b>Description</b> Farm Well used for irrigation & greenhouses	<b>Notes</b> Farm Well located adjacent to East Johnson Ave in Cheshire. Used to irrigate vegetables and bedding plants in greenhouse operations and for vegetable spray washing. Ack letter 10/11/83 sent listing well #2 with "unknown" capacity. They need to provide the pump capacity. NOI response rec'd 10/16/95 and was a letter from SIMA Drilling Co. Well #2 has a 18 gpm (0.0259 mgd) set at 90'. Ack letter dated 10/26/95 sent.					
PELL	PELL - PLAINVILLE - FARMINGTON CANAL	5200-077-AGR-RI	PLAINVILLE	2.0700		
<b>Description</b> Irrigation pumps at the Farmington Canal	<b>Notes</b> Two irrigation pumps 2.07 mgd (1450 gpm) located at the Farmington Canal near Condale Lane which is off Hollyberry Ln. Water used for irrigation of strawberry and Christmas tree crops. Confirmation of registration ltr dated 12/15/99.					

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
PELL	PELL - PLAINVILLE FARM POND	5200-078-AGR-IM	PLAINVILLE	2.0700		
<b>Description</b> Farm pond with two irrigation pumps	<b>Notes</b> Pond with two irrigation pumps 2.07 mgd (1450 gpm) appears to located on/near the Farmington Canal. Water used for irrigation of strawberry and Christmas tree crops. Confirmation of registration ltr dated 12/15/99.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #01	5200-040-PWS-GR	CHESHIRE	1.1016		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 7/21/80 indicated a max wd of 1.726 mgd for the North Cheshire Well Field (Including wells #1, #3 and #4). Memo 11/27/90 to file from WW indicated that the well would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the North Cheshire Well Field at a max wd of 2.7 mgd (sum of pump capacities of the three wells). Memo from Steve Rupar to PLS dated 2/24/1999 indicates that well 1 has capacity of 1.5 mgd. Keep 1.1, as no supporting records, but operate on well field capacity only.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #02	5200-075-PWS-GR	CHESHIRE	1.0000		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Listed on registration documents as inactive but with a capacity of 1 mgd. Memo from Steve Rupar to PLS dated 2/24/1999 indicates that well 2 has no wellhouse or pump and listed a capacity of 1.1 mgd. PLS kept in records at 1.0 mgd as it is part of wellfield which has registrations / and a permit.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #03	5200-041-PWS-GR	CHESHIRE	0.6984		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 7/21/80 indicated a max wd of 1.726 mgd for the North Cheshire Well Field (Including wells #1, #3 and #4). Memo 11/27/90 to file from WW indicated that the well would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the North Cheshire Well Field at a max wd of 2.7 mgd. Memo from Steve Rupar to PLS dated 2/24/1999 indicates that well 3 was placed on emergency status					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #04	5200-042-PWS-GR	CHESHIRE	0.9000		
<b>Description</b> Public Water Supply Well	<b>Notes</b> Petition letter 7/16/90 summarized a meeting held 7/11/90. Overview and the Max 24-hr WDs to be provided. Petition letter dated 8/7/90 included flow records from 7/21/80 indicated a max wd of 1.726 mgd for North Cheshire Well. Memo 11/27/90 to file from WW indicated that the well would be registered at the amounts in the registration application. Acknowledgment letter dated 7/10/91 listed the North Cheshire Well Field at a max wd of 2.7 mgd.					

**DIVERSION REGISTRATIONS IN:****QUINNIPAC RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #05	5200-043-PWS-GR	CHESHIRE	1.0008		
Description	Public Water Supply Well	Notes	Used as Interceptor well. Pumped to waste. Not noted or listed on permit DIV-86-07			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL #13	5200-076-PWS-GR	CHESHIRE	0.7992		
Description	Public Water supply Well - used as interceptor	Notes	Registered with 0.7992 mgd capacity. Now being used as Interceptor well and pumped to waste. Was not included in Diversion Permit DIV-86-07.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	NORTH CHESHIRE WELL FIELD	5200-079-PWS-GR	CHESHIRE	2.7000		
Description	Public Water Supply Well Field	Notes	Acknowledgment letter dated 7/10/91 listed the North Cheshire Well Field at a max wd of 2.7 mgd (sum of pump capacity of wells 1, 2 & 3). Permit DIV-86-07 authorized an additional 2.8 mgd for a total of 5.5 mgd from the wellfield. Permit expired but operation continues under timely renewal.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	VALLEY WATER CO. WELL #1	5200-061-PWS-GR	NORTH HAVEN	0.5760		
Description	Public Water Supply Well	Notes	Registered by Valley Water Co (acquired by SCCRWA). Ack letter dated 8/22/83 sent. Letter dated 1/18/91 noted that the assets of Valley Water Company were sold to SCCRWA in 1985.			
SOUTHWINGTON WATER DEPT	NEW BRITAINS PATTON BROOK WELL	5200-003-PWS-GR	SOUTHWINGTON	1.3421		
Description	Public Water Supply Well	Notes	Leased from New Britain Water Department. Lease expiring June 2003. Renewal? Petition letter dated 1/31/91 did not include Patton Brook Well. Acknowledgment letter to New Britain Water dated 4/4/91 included Patton Brook Well having a capacity of .207 mgd as originally registered. Petition letter 8/14/91 from SOUTHWINGTON WATER WORKS included records indicating that the well had a capacity of 932 gpm (1.3421 mgd). New Ack letter 6/3/94 sent listing Patton Brook Well at 1.3421 mgd.			
SOUTHWINGTON WATER DEPT	SOUTHWINGTON WELL #1A	5200-004-PWS-GR	SOUTHWINGTON	0.8453		
Description	Public Water Supply Well	Notes	Located at the Water Department. Reg in 83 at 500 gpm. Petition letter 8/14/91 requested 587 gpm (0.8453 mgd) based on a KPIPEs model of the system. Node map and printout included showing pipe #89 at 587.41 gpm. Also included a circular recording chart showing a peak of 550 gpm on 4/30/80. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #1A at 0.845 mgd (587 gpm). New Ack letter 6/3/94 sent using 587 gpm (0.8453 mgd).			

**DIVERSION REGISTRATIONS IN:****QUINNIPIAC RIVER**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #2	5200-005-PWS-GR	SOUTHINGTON	0.7776		
Description Public Water Supply Well	Notes Located at Quinnipiac River crossing of Route 320 (Just below outfall of STP). Reg in 83 at 500 gpm. Petition letter 8/14/91 requested \$40 gpm (0.7776 mgd) based on a circular chart recording dated 6/23/82 copy provided. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #2 at 0.7776 mgd.					
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #3	5200-006-PWS-GR	SOUTHINGTON	0.8928		
Description Public Water Supply Well	Notes Located on north side of Hobart Street. Reg in 83 at 500 gpm. Petition letter 8/14/91 requested 600 gpm (0.8640 mgd) based on a circular chart recording dated 6/9/82 copy provided. Noted that chart showed 620 gpm (0.8928 mgd). KYPIPE model included showed well #3 as pipe #90 and a max flow of 582.82 gpm was completed. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #3 at 0.864 mgd. New Ack letter 6/3/94 sent showing Well #3 at 0.8928 mgd based on production chart.					
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #4	5200-007-PWS-GR	SOUTHINGTON	1.0656		
Description Public Water Supply Well	Notes Located near Well #6 on north side of Curtis Street at crossing of RT 10. Reg in 83 at 700 gpm. Petition letter 8/14/91 requested 740 gpm (1.0656 mgd) based on a circular chart recording dated 6/5/74 copy provided. KYPIPE model included did not have specific data on Well #4. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #4 at 1.066 mgd. New Ack letter 6/3/94 sent showing Well #4 at 1.0656 mgd based on production chart.					
SOUTHINGTON WATER DEPT	SOUTHINGTON WELL #6	5200-009-PWS-GR	SOUTHINGTON	1.6560		
Description Public Water Supply Well	Notes Located near Well #4 on north side of Curtis Street at crossing of RT 10. Reg in 83 at 1000 gpm. Petition letter 8/14/91 requested 1150 gpm (1.6560 mgd) based on a circular chart recording dated June 1979 copy provided. KYPIPE model included did not have specific data on Well #6. Ack letter dated 9/4/91 was drafted but not signed or sent which listed Well #6 at 1.656 mgd. New Ack letter 6/3/94 sent showing Well #6 at 1.6560 mgd based on production chart.					
WALLINGFORD WATER DEPT	NORTH TURNPIKE WELL #1	5200-062-PWS-GR	WALLINGFORD	1.8720		
Description Public Water Supply Well	Notes Notes taken at a meeting on 4/20/90 reference a 4/6/89 letter from S.B. Church regarding re-development of well #1 (assumed this well). Petition letter dated 6/26/90 listed this well having a design capacity of 950 gpm (1.368 mgd) and a capacity of 1300 gpm (1.872 mgd) @ 114 psi. The 8/20/90 letter from TMM, The 11/13/90 petition letter, The petition letter FAXed 7/25/90, and the 12/27/90 petition letter all did not address this well. Acknowledgment letter dated 4/2/91 listed N. Turnpike Well #1 at 1.87 mgd.					
WALLINGFORD WATER DEPT	NORTH TURNPIKE WELL #5	5200-063-PWS-GR	WALLINGFORD	0.0000		
Description Public Water Supply Well	Notes Not Petitioned. 8/5/03 PAQ2-102 cover letter states that this diversion is no longer in use.					

**A.7 Registered Diversions****DIVERSION REGISTRATIONS IN:****QUINNIPAC RIVER**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
WALLINGFORD WATER DEPT	NORTH TURNPIKE WELL #6	5200-064-PWS-GR	WALLINGFORD	0.0000		
Description	Public Water Supply Well	Notes	Not Petitioned. 8/5/03 PA02-102 cover letter states that this diversion is no longer in use.			
WALLINGFORD WATER DEPT	OAK STREET WELL #2	5200-065-PWS-GR	WALLINGFORD	1.0600		
Description	Public Water Supply Well	Notes	Petition letter dated 6/26/90 listed this well having a design capacity of 550 gpm (0.792 mgd) and a capacity of 735 gpm (1.058 mgd) @ 86 psi. The 8/20/90 letter from TMM, The 11/13/90 petition letter, The petition letter FAXed 7/25/90, and the 12/27/90 petition letter all did not address this well. Acknowledgment letter dated 4/2/91 listed Oak Street Well #2 at 1.06 mgd.			
WALLINGFORD WATER DEPT	OAK STREET WELL #3	5200-066-PWS-GR	WALLINGFORD	2.7360		
Description	Public Water Supply Well	Notes	Notes taken at a meeting on 4/20/90 reference a 4/6/89 letter from S.B. Church regarding re-development of Oak Street #3. Petition letter dated 6/26/90 listed this well having a design capacity of 1200 gpm (1.7280 mgd) and a capacity of 1900 gpm (2.736 mgd) @ 86 psi. The 8/20/90 letter from TMM, The 11/13/90 petition letter, The petition letter FAXed 7/25/90, and the 12/27/90 petition letter all did not address this well. Acknowledgment letter dated 4/2/91 listed Oak Street Well #3 at 2.74 mgd.			
WILLIAM J. MACK COMPANY	WILLIAM J. MACK WELL #1	5200-030-IND-GR	NORTH HAVEN	0.0000		
Description	Abandoned well	Notes	Well was used for AIR CONDITIONING system. Maps provided were not detailed/couldn't tell where well is at site. 4/26/91 petition letter advised that well is abandoned. WELL IS ABANDONED			

**DIVERSION REGISTRATIONS IN:****SODOM BROOK****5205  
Registered Max  
Withdrawal Capacity**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>
MERIDEN WATER DEPT	COLUMBUS PARK WELL	5205-001-PWS-GR	MERIDEN	0.9948	
<b>Description</b> Public Water Supply Well	<b>Notes</b> Well installed 1967, Pump listed at .3 gpm (taken as 300 gpm). Petition letter 7/18/91 provided new pump capacity of 633.6 gpm (X1000). Assumed to mean 0.6336 mgd. (City does not understand flow units). Also changed depth from 60' to 72'. Petition letter 7/24/91 provided copy of 7/18/91 letter, table 2 from WSP and a production graph. Table listed Columbus Park well having a peak day flow of 0.9948 mgd on 8/31/81 and the same point was found on the production graph. Table also listed a pump capacity of 0.432 mgd (as registered). An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Columbus Park Well at 0.995 mgd (691 gpm). Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP. Listed on Ack letter sent 4/4/94. Use the WSP table data.				
MERIDEN WATER DEPT	CUNO WELL	5205-006-PWS-GR	MERIDEN	0.9072	
<b>Description</b> Public Water Supply Well	<b>Notes</b> Not listed on original registration form. Petition letter 7/18/91 indicated it was installed in 10/14/65 and had a capacity of GPM (X1000): 907.21, which is interpreted to be 630 gpm (0.9072 mgd). Petition letter 7/24/91 provided copy of the 7/18/91 letter, production data and Table 2 from the WSP. Production data and the table indicate a pump test rate of 350 gpm and a peak day production of .90721 mgd on 9/69. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted registering a capacity of .907 mgd for the Cuno well. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Listed on Ack letter sent 4/4/94.				
MERIDEN WATER DEPT	ELMERE RESERV/OIR	5205-002-PWS-IM	BERLIN	3.0000	
<b>Description</b> Pipe to filtration plant	<b>Notes</b> Petition letter 7/18/91 provided new total storage capacity from 18 mg to 18,096 mg, and a combined wshed area of 1.23 sqmi including Hallmere and Kennere. Petitioned to add a 3 mgd withdrawal capacity. Petition letter 7/24/91 provided copy of the 7/18/91 letter, Table 1 from the WSP and a production graph. The table indicated a peak day rate of 2,018 mgd on 11/1/73 and indicated a treatment capacity of 3 mgd. The graph indicated the 2,046.519 mgd peak day on 1/1/82. An ack letter dated 9/3/91 was drafted but not signed or mailed which granted 3 mgd to Elmer Reservoir. Petition letter 1/16/92 provided another copy of the 7/18/91 letter. Listed on Ack letter sent 4/4/94.				
MERIDEN WATER DEPT	MULE WELL	5205-004-PWS-GR	MERIDEN	1.4400	
<b>Description</b> PUBLIC WATER SUPPLY WELL	<b>Notes</b> Well installed 4/27/63, Pump cap listed on reg forms as 1.0 gpm (taken as 1000 gpm). Petition letter 7/18/91 provided new pump capacity of 2,304 gpm (X1000). Assumed to mean 2,304 mgd. Also changed depth from 39' to 39.5'. Petition letter 7/24/91 provided copy of 7/18/91 letter Table 2 from WSP, and a production graph. Table 2 listed Mule well having a peak day flow of 2,304 mgd on 4/29/63 based on Pump Test, a pump cap of 0.720 mgd and a prior reg of 1.444 (as was registered). Production graph shows the max production other than the initial pump test was 1,440 mgd (1000 gpm) in early 1982. An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Mule Well at 2,304 mgd (1600 gpm). Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP and same table as above. Keep the 1.44 mgd figure because it is true production not a pump test (City could confirm connection to system during pump test) Listed on Ack letter sent 4/4/94.				

**DIVERSION REGISTRATIONS IN:****SODOM BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
MERIDEN WATER DEPT Description PUBLIC WATER SUPPLY WELL	PLATT WELL	5205-005-PWS-GR	MERIDEN	.8280		

**Notes** Not listed on registration form. Well was installed 9/27/65. Connected prior to 7/1/82 but not used?. Included in Permit Application DIV-85-20 along with Lincoln Well. Petition letter 7/18/91 included Platt Well and indicated that a pump capacity GPM (X1000) of 1800. Confusing- assumed to mean 1.8 mgd. Petition letter 7/24/91 provided copy of 7/1/89/1 and included Table 2 from WSP and production graph. Table 2 indicated a pump test peak output of 1.8 mgd on 8/6/66 and a pump capacity of 1,008 mgd (700 gpm). Production graph indicated a peak day output of .828 mgd on 10/13/65 under non-pump test conditions. An ACK letter dated 9/3/91 was drafted but not signed or sent which listed Platt Well at 1,080 mgd (750 gpm). (typo?) Petition letter 1/16/92 provided copies of the 7/18/91 and 7/24/91 letters and some data from the WSP and same table as above. Use the .8280 mgd figure for registration as it represents real production to the system. See permit DIV-85-20 for operating conditions/renewal data. See DIV permit staff for current status. Listed as registered and permitted on Ack letter sent 4/4/94.

**DIVERSION REGISTRATIONS IN:****TENMILE RIVER****5202**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd</b>	<b>Registered Max Withdrawal Capacity</b>
BOWMAN	BOWMAN - WITHDRAWAL FROM MIXVILLE BROO	5202-009-IND-RI	CHESHIRE	0.0000		
<b>Description</b>	No data was provided - combined with Mountain Bk	<b>Notes</b>	No data. Map provided shows an open channel from Mountain Brook to an unnamed pond on the Tennile River with an unlabeled red line along it. No sign of Mixville Brook. Map showing the diversion structure and piping.			
BOWMAN	BOWMAN - WITHDRAWAL FROM MOUNTAIN BRO	5202-010-IND-RI	CHESHIRE	0.0000		
<b>Description</b>	No data was provided - combined with Mixville Bk	<b>Notes</b>	No data. Map provided shows an open channel from Mountain Brook to an unnamed pond on the Tennile River with an unlabeled red line along it. No sign of Mixville Brook. Map showing the diversion structure and piping.			
BOWMAN	OLD MILL POND	5202-011-HYD-RI	CHESHIRE			
<b>Description</b>	Mill pond with plans to convert to Hydroelectric	<b>Notes</b>	No data on current/former use of water (mechanical power), but provided some data in Hydropower section (there is no turbine data). - data on use of water prior to July 1, 1982			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	PROSPECT RESERVOIR SUPPLY SYSTEM	5202-003-PWS-IM	PROSPECT	2,3000		
<b>Description</b>	INTAKE (Reservoir registered as inactive)	<b>Notes</b>	Original registration listed Prospect Reservoir as inactive. Assume that it remained connected to system and could have diverted the registered/ partitioned flow. Petition letter dated 8/7/90 included overview and stated that the maximum withdrawal on record was 2,3 mgd on 6/30/64. Acknowledgement letter dated 7/10/91 listed prospect reservoir having a maximum withdrawal rate of 2,3 mgd.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	PROSPECT RESERVOIR BLOWOFF	5202-006-PWS-IM	PROSPECT	0.0000		
<b>Description</b>	SPILLWAY / BLOWOFF - non consumptive	<b>Notes</b>	Registration and petition documents do not include the spillway or blowoff withdrawal capacity. Acknowledgment letter dated 7/10/91 did not include the spillway or blowoff capacity.			
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	WEST BROOK DIVERSION TO PROSPECT LAKE	5202-007-PWS-IM	PROSPECT	0.0000		2,3000
<b>Description</b>	Former? diversion to Prospect Lake	<b>Notes</b>	Listed as "West Brook Diversion" on registration documents. No capacity was given in the original registration. Petition letter of 8/7/90, 11/28/90, and 2/8/91 did not include information about the West Brook Diversion. 2/24/1999 Memo from Steve Rupar SCCRWA to the Q River Low Flow Work Group requested that the West Brook Diversion be renamed to "Prospect Lake Supply System" and that it is currently inactive. Actual diversion may not exist at present. Need data to verify if there is a diversion. If not, remove record.			

**DIVERSION REGISTRATIONS IN:****TENMILE RIVER**

**5202**  
**Registered Max  
Withdrawal Capacity**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)
SOUTHBINGTOM WATER DEPT	HUMISTON BROOK DIVERSION (With RES #1, #2, #3	5202-001-PWS-RI	SOUTHBINGTOM	1.8907	
<b>Description</b> DIVERTING DAM ROUTES HUMISTON BROOK TO RES #3	<b>Notes</b> Diversion structure located about 350' upstream of Res #3 in Southington. Reg in 83 at 1.6 mgd (apparently the system capacity with the three reservoirs). Petition letter 8/14/91 requested that the KYPIPES model be used which combined the diversion of Humiston Brook, Res #1, #2, and #3 and resulted in a capacity of 131.3 gpm (1.8907 mgd). Node map and printout included showing pipe #94 at 1313.15 gpm. Also included a circular recording chart showing a peak of 1.8 mgd during the week of 6/28/78. Ack letter dated 9/4/91 was drafted but not signed or sent which listed the Humiston Brook diversion and indicated the combined capacity was 1.890 mgd. New Ack letter 6/3/94 sent listed the diversion and the combined capacity of 1.8907 mgd. RECOMMENDATION: OK AS PETITIONED				
SOUTHBINGTOM WATER DEPT	SOUTHBINGTOM RES #1 (With #2, #3 & HUMISTON B	5202-002-PWS-IM	SOUTHBINGTOM	1.8907	
<b>Description</b> GATE HOUSE	<b>Notes</b> Dam located in the south-west corner of Southington. Reg in 83 at 1.6 mgd SYSTEM capacity. Petition letter 8/14/91 requested that the KYPIPES model be used which combined Res #1 with Humiston Brook div, Res #2, and Res #3 and resulted in a capacity of 1313 gpm (1.8907 mgd). Node map and printout included showing pipe #94 at 1313.15 gpm. Also included a circular recording chart showing a peak of 1.8 mgd during the week of 6/28/78. Ack letter dated 9/4/91 was drafted but not signed or sent which listed the reservoirs and brook diversion without individual capacities and indicated the combined capacity was 1.890 mgd. New Ack letter 6/3/94 sent listed the reservoir and the combined capacity of 1.8907 mgd. RECOMMENDATION: OK AS PETITIONED				
SOUTHBINGTOM WATER DEPT	SOUTHBINGTOM RES #2 (With #1, #3 & HUMISTON B	5202-003-PWS-IM	WOLCOTT	1.8907	
<b>Description</b> GATE HOUSE	<b>Notes</b> Dam located in the south-east corner of Wolcott, north of Hitchcock Lake. Reg in 83 at 1.6 mgd SYSTEM capacity. Petition letter 8/14/91 requested that the KYPIPES model be used which combined Res #2 with Humiston Brook div, Res #1, and Res #3 and resulted in a capacity of 1313 gpm (1.8907 mgd). Node map and printout included showing pipe #94 at 1313.15 gpm. Also included a circular recording chart showing a peak of 1.8 mgd during the week of 6/28/78. Ack letter dated 9/4/91 was drafted but not signed or sent which listed the reservoirs and brook diversion without individual capacities and indicated the combined capacity was 1.890 mgd. New Ack letter 6/3/94 sent listed the reservoir and the combined capacity of 1.8907 mgd.				
SOUTHBINGTOM WATER DEPT	SOUTHBINGTOM RES #3 (With #1, #2 & HUMISTON B	5202-004-PWS-IM	SOUTHBINGTOM	1.8907	
<b>Description</b> GATE HOUSE	<b>Notes</b> Dam located in the south-west corner of Southington, north of County Rd. Reg in 83 at 1.6 mgd SYSTEM capacity. Petition letter 8/14/91 requested that the KYPIPES model be used which combined Res #3 with Humiston Brook div, Res #1, and Res #2 and resulted in a capacity of 1313 gpm (1.8907 mgd). Node map and printout included showing pipe #94 at 1313.15 gpm. Also included a circular recording chart showing a peak of 1.8 mgd during the week of 6/28/78. Ack letter dated 9/4/91 was drafted but not signed or sent which listed the reservoirs and brook diversion without individual capacities and indicated the combined capacity was 1.890 mgd. New Ack letter 6/3/94 sent listed the reservoir and the combined capacity of 1.8907 mgd. RECOMMENDATION: OK AS PETITIONED.				
WATERBURY FARREL DIV. OF TEXTRON, INC.	WATERBURY FARREL WELL #1	5202-008-IND-GR	CHESHIRE	0.1080	
<b>Description</b> Industrial supply well	<b>Notes</b> Well #1 capacity 75 gpm (0.108 mgd). Used for various industrial purposes, lawn watering and fire protection. Ack letter 9/7/83 sent.				

**DIVERSION REGISTRATIONS IN:****WEST RIVER****5305**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)	Registered Max Withdrawal Capacity
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE BETHANY BLOWOFF	5305-002-PWS-IM	BETHANY	0.0000		
Description SPILLWAY/BLOWOFF West River to Lake Watrous	Notes Registration and petition documents do not include the spillway or blowoff withdrawal capacity. Acknowledgment letter dated 7/10/91 did not include the spillway or blowoff capacity.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE BETHANY DISCHARGE TO WATROUS	5305-001-PWS-IM	BETHANY	0.0000		
Description INTAKE to Lake Watrous	Notes Petition letter dated 8/7/90 provided overview of West River System. In addition, the petition letter moved to register the West River System as a whole having a maximum withdrawal of 18.64 mgd which is based on the max recorded withdrawal on 7/1/1964 of the system less Lake Bethany which was recorded at a max withdrawal of 3.305 mgd at that time. Acknowledgment letter dated 7/10/91 listed only the West River System having a max withdrawal of 18.64 mgd.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE DAWSON INTAKE TO PLANT	5305-004-PWS-IM	WOODBRIDGE	3.0000		
Description INTAKE to treatment plant	Notes Petition letter dated 8/7/90 provided overview of West River System and confirmed the 3.0 mgd originally registered for the intake for Lake Dawson. In addition, the petition letter moved to register the West River System as a whole having a maximum withdrawal of 18.64 mgd which is based on the max recorded withdrawal on 7/1/1964. Acknowledgment letter dated 7/10/91 listed only the West River System having a max withdrawal of 18.64 mgd. Note: In 1995, the SCCRWA plans to replace the 3 mgd pump with a new variable output 4 mgd pump.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE DAWSON SPILLWAY	5305-003-PWS-IM	WOODBRIDGE	0.0000		
Description SPILLWAY / BLOWOFF to West River	Notes Minimum flow ranges from 1,38 to 2,76 cfs depending on reservoir storage. Registration and petition documents do not include the spillway or blowoff withdrawal capacity. Acknowledgment letter dated 7/10/91 did not include the spillway or blowoff capacity.					
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE WATROUS INTAKE TO PLANT	5305-005-PWS-IM	BETHANY	14.4000		
Description INTAKE to Treatment Plant	Notes Includes Lake Bethany flows. Petition letter dated 8/7/90 provided overview of West River System and confirmed the 14.4 mgd originally registered for the intake for Lake Watrous. In addition, the petition letter moved to register the West River System as a whole having a maximum withdrawal of 18.64 mgd which is based on the max recorded withdrawal on 7/1/1964. Acknowledgment letter dated 7/10/91 listed only the West River System having a max withdrawal of 18.64 mgd. RECOMMENDATION: OK AS REGISTERED.					

**DIVERSION REGISTRATIONS IN:****WEST RIVER****5305**

Registrant	Name of diversion	Registration #	Town	Individual(mgd)	System(mgd)
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	LAKE WATROUS SPILLWAY	5305-006-PWS-IM	BETHANY	0.0000	
<b>Description</b> SPILLWAY / BLOWOFF to LAKE DAWSON	<b>Notes</b> Registration and petition documents do not include the spillway or blowoff withdrawal capacity. Acknowledgment letter dated 7/10/91 did not include the spillway or blowoff capacity.				
SOUTH CENTRAL CT REGIONAL WATER AUTHORITY	WEST RIVER SYSTEM	5305-008-PWS-IM	WOODBRIDGE	18.0400	
<b>Description</b> Lake Glen, Bethany, Chamberlain, Watrous, Dawson	<b>Notes</b> System includes the five lakes two of which, Glen and Chamberlain are on Sergeant Brook a trib to West River. Petition letter dated 8/7/90 provided overview of West River System. In addition, the petition letter moved to register the West River System as a whole having a maximum withdrawal of 18.64 mgd which is based on the max recorded withdrawal on 7/1/1964. Acknowledgment letter dated 7/10/91 listed only the West River System having a max withdrawal of 18.64 mgd.				
WOODBRIDGE COUNTRY CLUB	WOODBRIDGE COUNTRY CLUB - PUMP HOUSE C	5305-007-IRR-TR	WOODBRIDGE	0.4320	
<b>Description</b> Pump house on pipeline from SCCRWA to tank	<b>Notes</b> Pump station on Ansonia Road transfers water from service connection to a storage tank. The Tank water supplies the clubhouse. Overflow water can be routed to Pond A when needed for irrigation.				

**DIVERSION REGISTRATIONS IN:****5304****WINTERGREEN BROOK**

<b>Registrant</b>	<b>Name of diversion</b>	<b>Registration #</b>	<b>Town</b>	<b>Individual(mgd)</b>	<b>System(mgd)</b>	<b>Registered Max Withdrawal Capacity</b>
HINDINGER FARM	HINDINGER POND #1	5304-001-AGR-IM	HAMDEN	0.3600		
<b>Description</b> Farm Pond with 350 & 500 gpm pumps/sprinklers	<b>Notes</b> Mr Hindinger provided the surface area 1/2 acre and depth 10' max and 9' usable. 1/2 acre x 43560 sf/acre x 10' deep x 7.48 gal/cf / 100000. Cales result in 1.63 mg max and 1.47 mg usable. Withdrawal of 100,000 (gallons) was written in the WD Cap mgd column. Get pump and withdrawal data clarified and get better volumes of his ponds. NOI response recd 5/10/95 - they have two pumps and three ponds. Pumps used in all combinations. Calls on 5/30/95 & 5/31/95 - max pump cap is 250 gpm even if both pumps are used. NOI Ack letter 6/2/95 listed all three ponds and noted that max wd is 250 gpm (.3600 mgd) due to restriction of sprinkler system.					
HINDINGER FARM	HINDINGER POND #2	5304-002-AGR-IM	HAMDEN	0.3600		
<b>Description</b> Farm Pond with 350 & 500 gpm pumps/sprinklers	<b>Notes</b> Mr Hindinger provided the surface area 1/2 acre and depth 10' max and 9' usable. 1/2 acre x 43560 sf/acre x 10' deep x 7.48 gal/cf / 100000. Cales result in 1.63 mg max and 1.47 mg usable. Withdrawal of 100,000 (gallons) was written in the WD Cap mgd column. Get pump and withdrawal data clarified and get better volumes of his ponds. NOI response recd 5/10/95 - they have two pumps and three ponds. Pumps used in all combinations. Calls on 5/30/95 & 5/31/95 - max pump cap is 250 gpm even if both pumps are used. NOI Ack letter 6/2/95 listed the three ponds and noted that max wd is 250 gpm (.3600 mgd) due to restriction of sprinkler system.					
HINDINGER FARM	HINDINGER POND #3	5304-003-AGR-IM	HAMDEN	0.3600		
<b>Description</b> Farm Pond with 350 & 500 gpm pumps/sprinklers	<b>Notes</b> Mr Hindinger provided the surface area 1/2 acre and depth 10' max and 9' usable. 1/2 acre x 43560 sf/acre x 10' deep x 7.48 gal/cf / 100000. Cales result in 1.63 mg max and 1.47 mg usable. Withdrawal of 100,000 (gallons) was written in the WD Cap mgd column. Get pump and withdrawal data clarified and get better volumes of his ponds. NOI response recd 5/10/95 - they have two pumps and three ponds. Pumps used in all combinations. Calls on 5/30/95 & 5/31/95 - max pump cap is 250 gpm even if both pumps are used. NOI Ack letter 6/2/95 listed the three ponds and noted that max wd is 250 gpm (.3600 mgd) due to restriction of sprinkler system.					

## **A.8 Municipal Permits Survey**

*(The following survey was used to acquire the results shown on pages 286-291.)*

**Municipal Green Infrastructure Survey** (adapted from CT DEEP statewide survey for Mill River Watershed Association's permits advocacy study of South Central CT, 2013-14)

1. Please tell us what you do.
  - a. Municipal land use staff
  - b. Municipal DPW/engineering staff
  - c. Municipal land use commission/board member
  - d. Construction professional/installer
  - e. Private engineering design/consulting
2. Is your municipality a “municipal separate storm sewer system” (MS-4) community?
  - a. Yes
  - b. No
3. Has your municipality codified or incorporated the 2004 CT Stormwater Quality Manual, including the 2011 LID appendices, into your land use regulations?
  - a. Yes
  - b. No
  - c. Don’t know
4. Does your municipality or department implement or use Green Infrastructure/Low Impact Development practices?
  - a. Yes
  - b. No
5. If your town has adopted GI/LID practices, which practices are included? Please select all that apply.
  - a. Grassed swales or median strips
  - b. Rain gardens
  - c. Parking lot landscaping islands
  - d. Vegetated buffers along waterbodies
  - e. Flexible site/subdivision design (e.g. cluster, etc.)
  - f. Bio-retention basins
  - g. Shared parking
  - h. Permeable pavers
  - i. Phased paving of parking areas
  - j. Pervious/porous pavement

6. If your municipality has adopted GI/LID practices, how are they utilized? Please select all that apply.
- New residential development

Never	infrequently	somewhat	extensively
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- Existing residential development

Never	infrequently	somewhat	extensively
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- New commercial development

Never	infrequently	somewhat	extensively
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- Existing commercial development

Never	infrequently	somewhat	extensively
-------	--------------	----------	-------------

- Municipal property

Never	infrequently	somewhat	extensively
-------	--------------	----------	-------------

- New industrial development

Never	infrequently	somewhat	extensively
-------	--------------	----------	-------------

- Existing industrial development

Never	infrequently	somewhat	extensively
-------	--------------	----------	-------------

7. If GI/LID practices are not always utilized, why are they not used more frequently? Please select all that apply.

- Are allowed by regulations but not required
- GI/LID not incorporated into land use regulations
- Need a special permit, special exception, waiver or variance (explain)
- Other (please specify) \_\_\_\_\_

8. If your municipality does not implement GI/LID practices or hasn't incorporated them into your land use regulations, what are the obstacles or concerns? Please select all that apply.

- Worried about long-term life span
- These practices can't handle winter conditions
- No experience with operation and maintenance
- Too expensive or difficult to maintain
- Safety concerns for fire trucks and school buses
- Too expensive to install
- No support from local government
- No state mandate or over-arching state policy
- Don't really know much about them
- Other (please elaborate) \_\_\_\_\_

9. What technical or educational assistance would most help you implement GI/LID practices more widely in your town? Please identify the 5 most critical needs.
- Guidebook/BMP manual on implementing GI/LID
  - Education on GI/LID practices
  - Model regulations/ordinances
  - Training on GI/LID installation
  - Cost comparisons of GI/LID practices vs. conventional practices
  - Long-term incentives/financing mechanisms to achieve GI/LID
  - Cold weather performance data
  - GI/LID case studies/success stories
  - Engineering design assistance
  - Performance data
  - Other \_\_\_\_\_
10. What financial assistance or support, if available, would most help you implement GI/LID practices more widely in your town? Please rank needs in order of importance (with #1 being the highest).
- Assess gaps in regulations
  - Update regulations
  - Install new practices or retrofit existing areas
  - Purchase specialized maintenance equipment
  - Train staff
  - Educate commission volunteers
  - GI/LID public outreach and education
  - Water quality testing
  - Enforcement
  - Other \_\_\_\_\_

Thank you for your participation!

Mary Mushinsky, Mill River Watershed Association project consultant

[marymushinsky@att.net](mailto:marymushinsky@att.net)

203-430-0921

## A.8 Municipal Permits Survey Results

### Municipal Land Use Survey Results p.1--Mill River Watershed Association 2013-2014

Municipality		LMS4 Towns <sup>2</sup>		Coffield SW Manufact <sup>3</sup>		A Use LID/Green Infrastr <sup>4</sup>		If have LID, which ones? 5a Swales <sup>5</sup>		S Bldgs <sup>6</sup>		SC Islands <sup>7</sup>		Sd buffers <sup>8</sup>		flexible site design <sup>9</sup>	
Bethany	staff	yes	no	yes 3A	no	no 7	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no 11
Bristol	staff	yes	no	yes	yes	no 8	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Cheshire	staff	yes	no	yes	yes, parking	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Hamden	staff	yes	'04, '11	yes	yes 6	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Meriden	staff	yes	'04, '11	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
New Haven	staff	not entirely	not directly 1	yes, some 3B	yes, munic. Roadway	no 9	no 10	no; within Coastal Mgmt	yes 12	yes	yes	yes	yes	yes	yes	yes	yes
North Haven	staff	yes	no	yes, Some	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Plainville	staff	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Prospect	staff	yes	'04	yes 3A	no, stabilize only	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	no 13
Southington	staff	yes	yes 2	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Wallingford	staff	yes	no 3	yes 4	no-potential private	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
West Haven	staff	yes	don't know	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Wolcott	staff	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no
Woodbridge	staff	yes	'04	yes 5	yes	yes	yes	yes, don't like	yes	yes	yes	yes	yes	yes	yes	yes	;yes, not used

1 four page Section 60 is in ordinances

2 checklist by reference

3 watershed regs; not fully incorporated

3A all lots are large

3B shade or certain materials; soil & erosion

4 encourage cluster; open space

5 engineer reviews; people don't maintain rain gardens

6 encourage, but zoning regs don't do streets

7 but have examples

8 disagreement w/DPW

9 not much space, but have roof gardens

10 reflective heat; minimize parking

11 pending under affordability

12 no subdivisions, but PUD's

13 discussed

#### A.8 Municipal Permits Survey Results

	Municipality			Municipal Land Use Survey Results P-1-Mill River Watershed Association 2013-2014		
	5% bioretention basins			5% share parking		
	5% paved parking			5% porous pavement		
Bethany	no 14	yes	no-16	no 17	no 17	5% other
Bristol	yes	yes	no	yes	yes	
Cheshire	yes	yes 15A	yes	yes	yes	
Hamden	yes	yes	yes	?	yes	
Meriden	yes	yes	no	no; we try	no	
New Haven	yes 15	yes	yes	n.a.-urban	yes 19	
North Haven	no	yes	no	yes	yes	
Plainville	yes	yes	yes	yes	yes	
Prospect	yes, encourage	no	no	no	no	
Southington	yes	yes	yes	yes	yes	yes, allow
Wallingford	yes	yes	no	no	yes	
West Haven	no	no	no	no	no	
Wolcott	no	no	no	no	yes	
Woodbridge	yes	yes	yes	yes 18	yes	

14 have grased basin

15 not in res but in plans

15A can defer 50% parking

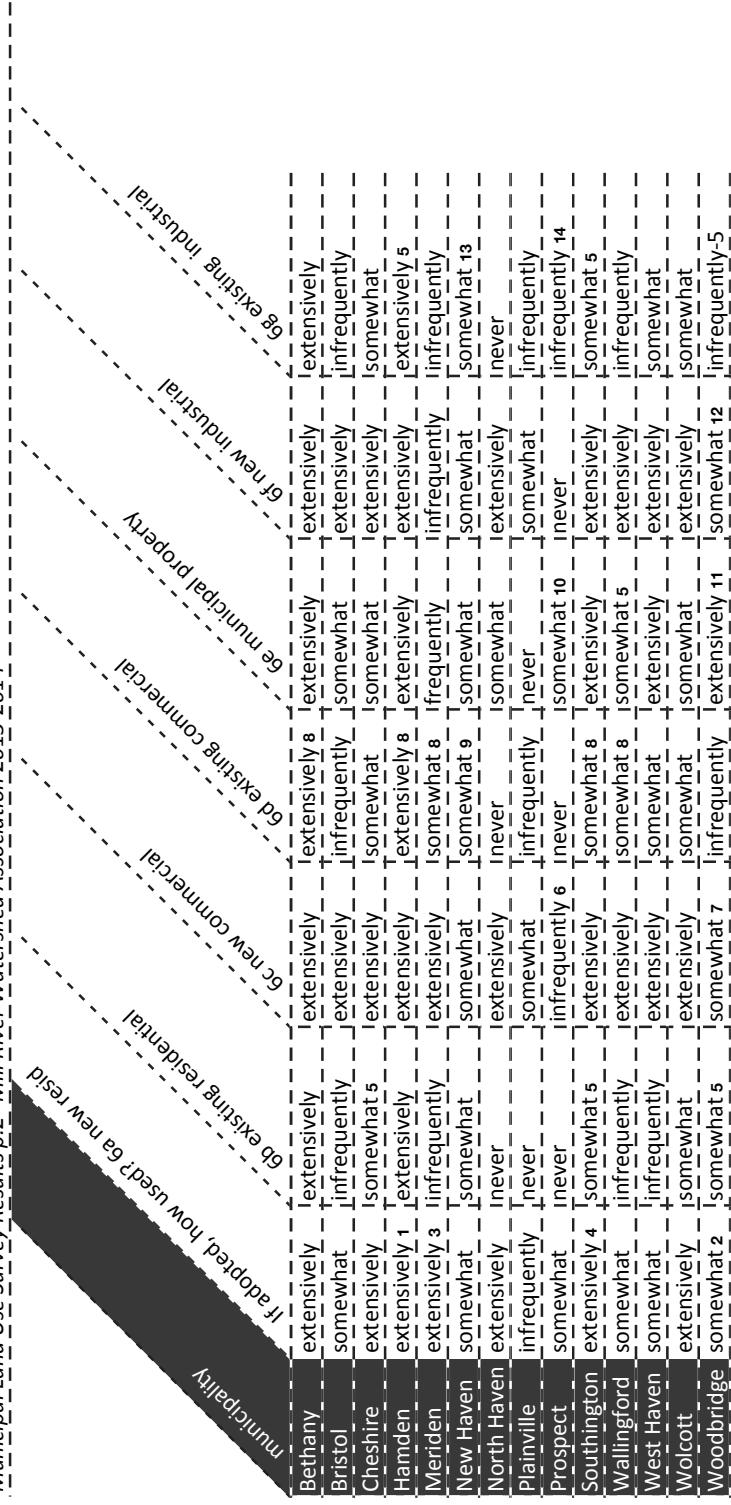
16 we ask

17 no big box

18 nothing that big

19 for city's work

Municipal Land Use Survey Results n 2--Mill River Watershed Association 2013-2014



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4 except swales

5 if modifying

11 DPW

• 515

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Industry along rivers is wi

10 DPW and school

286

## A.8 Municipal Permits Survey Results p.3-Mill River Watershed Association 2013-2014

Municipality	LID not Always Used, Why not? A Allowed, Why not?		LID not Always Used, Why not required		Why not LID? A lifespan concerns		Op & Maintenance concerns		Winter concern		Safety concern		Local Support To install		No State Mandate		
	Permit	Other	Permit	Other	Permit	Other	Permit	Other	Permit	Other	Permit	Other	Permit	Other	Permit	Other	
Bethany	x	x	x	x	x use extensively; water is wells	x disagreement re: efficacy internally	x 5	x-limited experience	x difficult	x varies							
Bristol	x	x															
Cheshire	x																
Hamden			x exempt only if variance or exception	x existing develop. Is harder	x pavement	x pavement 7	x	x cul de sac	x								
Meriden							x-some										
New Haven	x1					x		x	x	x							
North Haven	x	x3				x		x	x	x							
Plainville	x	x4				x					x-plows	x	x 10				
Prospect	x2				x conflict w/subdiv. regs	x detention	x-imperious	x 8	x								
Southington						x open space subdiv.	x						x 11				
Wallingford	x	x				x			x								
West Haven		x							x								
Wolcott	x				x haven't seen development	x rain gardens	x	x	x	x							
Woodbridge																	

1 infiltration limited due to sea level

2 follow 2004 and water quality standards

3 measures as applicable

4 LID incorporated by reference; must achieve goals; new developments only

5 maintenance

6 if in regs, have done it

7 fear fails and falling apart

8 no, except detention, open space

9 rain garden maintenance on land records

10 rely on applicants; stormwater Phase II

11 applicant could object

12 infrastructure can't support big box

13 DOT has state roads; little concern for stormwater

14 net zero increase; no direct discharge to streams

15 comparable sites, towns

16 rotaries, medians

## A.8 Municipal Permits Survey Results

### Municipal Land Use Survey Results p.3--Mill River Watershed Association 2013-2014

Municipality		81 don't know about 82 other	83 other	84 assistance would help (1st 5)? 85 education	86 model reg's	87 training	88 term incentives	89 cold weather data	90 comparison	91 engineering design	92 case studies	93 cold weather data	94 infiltration limited due to sea level
Bethany			x	x	x	x	x	x	x	x	x	x	x
Bristol			x	x	x	x	x	x	x	x	x	x	x
Cheshire			x	x	x	x	x	x	x	x	x	x	x
Hamden		x	x	x	x	x	x	x	x	x	x	x	x
Meriden			x	x	x	x	x	x	x	x	x	x	x
New Haven			x	x	x	x	x	x	x	x	x	x	x
North Haven			x	x	x	x	x	x	x	x	x	x	x
Plainville			x	x	x	x	x	x	x	x	x	x	x
Prospect		x	x	x	x	x	x	x	x	x	x	x	x
Southington			x	x	x	x	x	x	x	x	x	x	x
Wallingford			x	x	x	x	x	x	x	x	x	x	x
West Haven		x	x	x	x	x	x	x	x	x	x	x	x
Wolcott			x	x	x	x	x	x	x	x	x	x	x
Woodbridge	x								x 1	x 2	x 3		

1 infiltration limited due to sea level

2 follow 2004 and water quality standards

3 measures as applicable

4 LID incorporated by reference; must achieve goals; new developments only

5 maintenance

6 if in regs, have done it

7 fear fails and falling apart

8 no, except detention, open space

9 rain garden maintenance on land records

10 rely on applicants; stormwater Phase II

11 applicant could object

12 infrastructure can't support big box

13 DOT has state roads; little concern for stormwater

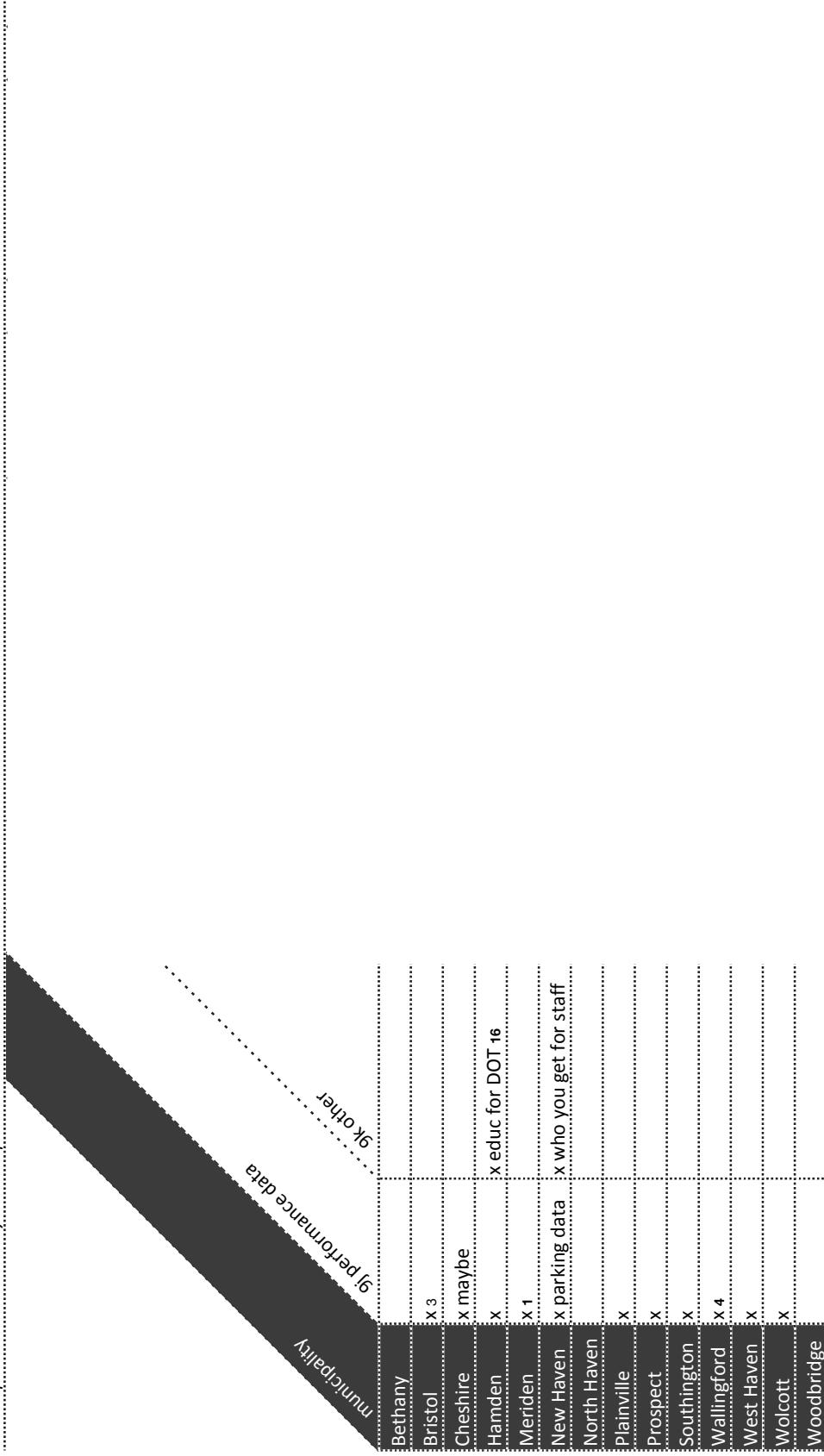
14 net zero increase; no direct discharge to streams

15 comparable sites, towns

16 rotaries, medians

## A.8 Municipal Permits Survey Results

### Municipal Land Use Survey Results p.3--Mill River Watershed Association 2013-2014



Municipality	91 performance data	92 other
Bethany		
Bristol	X 3	
Cheshire	x maybe	
Hamden	X	x educ for DOT 16
Meriden	X 1	
New Haven	x parking data	x who you get for staff
North Haven		
Plainville	X	
Prospect	X	
Southington	X	
Wallingford	X 4	
West Haven	X	
Wolcott	X	
Woodbridge		

1 infiltration limited due to sea level

2 follow 2004 and water quality standards

3 measures as applicable

4 LID incorporated by reference; must achieve goals; new developments only

5 maintenance

6 if in regs, have done it

7 fear fails and failing apart

8 no, except detention, open space

9 rain garden maintenance on land records

10 rely on applicants; stormwater Phase II

11 applicant could object

12 infrastructure can't support big box

13 DOT has state roads; little concern for stormwater

14 net zero increase; no direct discharge to streams

15 comparable sites, towns

16 roundabouts, medians

## A.8 Municipal Permits Survey Results

### Municipal Land Use Survey Results p.4--Mill River Watershed Association 2013-2014

Municipality	What support needed (rank #1, 2, 3, assess less) less		106 update fees		106, 107, 108 purchase new practices		106, 107, 108, 109 install new equipment		106, 107, 108, 109 outreach & education		109, 110 water quality enforcement		101, other		Contact		Title		Phone		Email			
	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2	#1	#2
Bethany	x #1	x #2																						
Bristol			x #1	x #2; cmrs & developers	x #3																			
Cheshire	x			x #1																				
Hamden			x #1 retrofit state roads 1																					
Meriden	x		x 3	x		x 4																		
New Haven	x		x #2	x		x		x		x														
North Haven	x #1		x #2																					
Plainville																								
Prospect			x			x																		
Southington			x retrofit outfalls 2					x 5																
Wallingford	x																							
West Haven	x #4	x #2	x #7	x #9	x #2	x #5		x #8	x #6	x #3														
Wolcott	x		x		x			x		x														
Woodbridge		x #1		x #2		x #3																		

1 major streets are state DOT

2 sand in river

3 what works?

4 where are problem areas?

5 updated guide checklist

## A.9 References and Resources

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[www.TheQuinnipiacRiver.com](http://www.TheQuinnipiacRiver.com)

A comprehensive source of information and advocacy about the Quinnipiac River, sponsored by the Quinnipiac Fund, Community Foundation for Greater New Haven

Additional photos by Mary Mushinsky

## What's Happening to the Water Cycle?

As we develop our land and increase the amount of paved surfaces and buildings (known as impervious cover), the water cycle is changed. Less rainfall and snowmelt sinks into the ground and more water flows rapidly over the land into our lakes, rivers and estuaries. Stormwater runoff can lead to increased flooding, erosion and pollution and decreased groundwater recharge during dry periods.

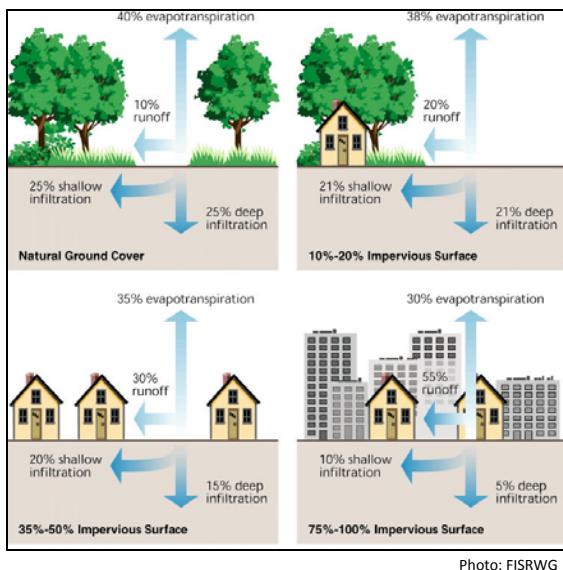


Photo: FISRWG

As impervious surfaces increase, the problems associated with stormwater quality also increase. Stormwater can contain pollutants such as sediment, nutrients, bacteria and chemicals that can threaten aquatic health, and contribute to the loss of water dependent recreational activities. Unmanaged stormwater is recognized nationally as the leading cause of water pollution today.

Conventional methods of land development collect and convey stormwater quickly into a series of drains and pipes that flow directly into the closest waterbody with little or no water quality treatment.

## How can we help? Plant a Vegetated Riparian Area!

Low Impact Development (LID) techniques manage stormwater runoff by mimicking the natural movement of water in the environment and preserving the pre-development hydrology of a site. If your property includes or borders water features, one of the easiest and most cost effective methods for protecting water quality is to **PLANT A VEGETATED RIPARIAN AREA**. Vegetated riparian areas help to infiltrate water on site and improve water quality by filtering pollutants from stormwater, before it flows into the nearest wetland or waterbody.



Photo: CT DEP

## What is a Vegetated Riparian Area?

Land that is next to a waterbody, such as a stream, river, pond, or lake, is called a *riparian area*. Vegetated riparian areas (also called riparian buffers) are a part of both the land area and the aquatic ecosystem. Natural vegetation in riparian areas provides a variety of ecosystem services – benefits to humans that are generally not included in the cost of everyday living. These include clean water, flood control, travel corridors, and habitat for wildlife.

## Why Enhance or Create a Vegetated Riparian Area?

Enhancing or creating a vegetated riparian area in your yard can improve water quality in your community by preventing sediment, nutrients, bacteria, and chemicals from flowing into streams, rivers, and lakes. In addition, by infiltrating stormwater, vegetated riparian areas can:

- ❖ Provide erosion control and flood protection by slowing the velocity of stormwater runoff
- ❖ Help to stabilize stream banks
- ❖ Recharge local groundwater resources by infiltrating water back into the ground
- ❖ Discourage geese from landing on your lawn and “depositing” bacteria and nutrient rich feces
- ❖ Filter excess pesticides, fertilizers, and other pollutants from lawns
- ❖ Provide wildlife habitat and travel corridors
- ❖ Moderate water temperatures for aquatic life

## How to Enhance or Create a Vegetated Riparian Area

**Consult with trained staff** – Before starting a project involving inland wetlands and watercourses, check with your local inland wetlands commission. For projects involving tidal wetlands, contact the Connecticut DEEP at 860-424-3034.



Photo: CT DEP

**Make a Plan** – Depending on existing vegetation, it may be possible to establish a healthy vegetated riparian area simply by not mowing or cutting close to the water’s edge. Native plants that fill in the “no mow” area will be well adapted to local conditions. If you choose to enhance the existing vegetation, factors to consider include sun exposure, slope, corridor width, maintaining water access, framing a view, potential wildlife damage (i.e. deer, beaver), and soil type.



Photo: CT DEP

**Test Your Soil** – Before selecting plantings to enhance your vegetated riparian area, have your soil tested to determine soil type, soil texture, flooding frequency and duration, and pH. Different plants thrive in different soils and have varying moisture tolerances, so a test will be well worth the effort. Soils tests are available for a nominal fee. See the resource section at the end of this brochure for information on soil testing.

**Remove Invasive Species** – Whether you create a no-mow area or choose to enhance existing vegetation, it is important not to plant invasive species and to remove any invasive species from the area. Invasive plants can kill native shrubs and trees and do not provide a diverse environment for native wildlife. Information on identifying invasive plants can be found in the resource section.



Photo: CT DEP



Photo: CT DEP

## Common Questions About Vegetated Riparian Areas

 **How do I enhance a healthy riparian area but still maintain my water view?**

You can maintain a vegetated riparian area, improve water quality, and still have a great view of and access to the water. The key is to pick a variety of plants of different heights, and plan out exactly how



Photo: Candlewood Lake Authority

you want to frame your view. For water access, it is beneficial to buffer most of the waterfront and leave a winding pathway down to the water. This prevents stormwater runoff from creating an erosion channel to the water. Great ideas for riparian area design can be found in the resource section.

 **How wide should my vegetated riparian area be?**

The ideal width of your vegetated riparian area depends on its purpose. Factors to consider include slope of the shoreline, wildlife species in the area, and the types of pollutants in the area. However, any non-invasive vegetation along the shoreline will provide some benefit. Typical vegetated riparian area widths range from 20-200ft, depending on which resources they are designed to protect.

 **How do I maintain my vegetated riparian area?**

In most cases, maintaining a vegetated riparian area is much easier than maintaining a lawn. Planting hardy, native plants reduces or eliminates the need for fertilizer, pesticides, and watering. However, the plantings may require seasonal weeding and pruning and invasive plants will need to be removed if they appear.

## Want to Know More? Click to Explore!

### **Statewide Information:**

The CT DEP's Watershed Management Program:

[www.ct.gov/dep/watershed](http://www.ct.gov/dep/watershed)

The CT DEP's Tidal Wetlands Buffer Guidance:

[http://www.ct.gov/dep/lib/dep/long\\_island\\_sound/coastal\\_management/twbufferguidance.pdf](http://www.ct.gov/dep/lib/dep/long_island_sound/coastal_management/twbufferguidance.pdf)

### **Designing Your Vegetated Riparian Area**

NRCS and Norwalk River Watershed Initiative's *Backyard Stream and Pond Buffers*

<http://conservect.org/LinkClick.aspx?fileticket=92yotgFmrFk%3d&tabid=267>

The Southwest Conservation District Educational Brochure web site:

<http://conservect.org/southwest/Education/tabid/267/itemid/121/Default.aspx>

CT Sea Grant's Planting Guide for Riparian Sites Along the Connecticut Coast:

<http://web2.uconn.edu/seagrant/publications/coastalareas/riparian.pdf>

A NRCS Guide to Riparian Restoration in CT:

<http://clear.uconn.edu/tools/lid/index.htm>

The Housatonic Valley's web site on streamside buffers:

<http://www.hvatoday.org/show.cfm?page=water/streamsidebuffers.htm&folder=water>

### **Planting Information:**

The CT DEP's Invasive Species Resources:

[http://www.ct.gov/dep/cwp/view.asp?a=2702&q=323494&depNav\\_GID=1641](http://www.ct.gov/dep/cwp/view.asp?a=2702&q=323494&depNav_GID=1641)

The *Connecticut Native Tree and Shrub Availability List* published by the CT DEP:

[http://www.ct.gov/dep/lib/dep/wildlife/pdf\\_files/habitat/ntvtree.pdf](http://www.ct.gov/dep/lib/dep/wildlife/pdf_files/habitat/ntvtree.pdf)

The *Connecticut Native Plant and Resource List* by the US DOT Federal Highway Administration:

[http://www.environment.fhwa.dot.gov/ecosystems/gmgmt\\_row.asp](http://www.environment.fhwa.dot.gov/ecosystems/gmgmt_row.asp)

### **Soil Testing:**

CT Agricultural Experiment Station Soil Testing Program:

<http://www.ct.gov/caes/cwp/view.asp?a=2836&q=378206>

UConn Soil Nutrient Analysis Laboratory:

<http://soiltest.uconn.edu/faq.php>

# Rainfall as a Resource

## A Resident's Guide to Vegetated Riparian Areas in Connecticut



### \*Sixth Brochure of the LID Series\*

For more information contact  
Connecticut DEEP's Watershed  
Management Program:

860-424-3020

<http://www.ct.gov/dep/watershed>

The DEP is an affirmative action/equal opportunity employer. In conformance with the ADA individuals with disabilities who need this information in an alternative format, to allow them to benefit and/or participate in the agency's programs and services, should call (860)-424-3051 or (860) 418-5937 or e-mail Marcia Z. Bonitto, ADA Coordinator, at: [Marcia.Bonitto@ct.gov](mailto:Marcia.Bonitto@ct.gov). Persons who are hearing impaired should call the State of Connecticut relay number (711). Requests for accommodations must be made at least two weeks prior to the program date.

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Connecticut Department of Energy and  
Environmental Protection  
Bureau of Water Protection and Land Reuse  
Planning and Standards Division  
79 Elm Street, Hartford, Connecticut 06106



## Be Part of the Solution

Join your neighbors around New England who are taking action to soak up the rain. They're planting trees, rain gardens and green roofs; disconnecting and redirecting their downspouts; using rain barrels and drywells; and replacing their driveways and parking lots with permeable pavement. They're helping to soak up the rain and reduce the polluted runoff that flows to our streams, lakes, rivers and coastlines.

You can help soak up the rain.

### Soak up the rain to help:

- Prevent pollution of local waterways**
- Reduce flooding**
- Protect water resources**
- Beautify neighborhoods**

## A Call to Action

In collaboration with state agencies, universities, watershed groups, and other organizations, EPA New England has launched Soak up the Rain as a call to action to citizens, businesses, and communities. It's a call to all of us who care about clean water, who want to reduce flooding, who want to create healthier and more beautiful communities.

- Take action to help soak up the rain in your yard, at your place of business, in your community.
- Share photos and stories of what you have done.

*Working together we can protect New England waters and leave a lasting legacy of clean, safe and plentiful water for future generations. We're counting on you.*

## How will you help soak up the rain?



Rain barrels collect water from a roof downspout and hold it for later use.

(Photo Credit: CT DEP)

Downspouts are disconnected and/or redirected so water flows to where it will soak into the ground.

(Photo Credit: Milwaukee Metropolitan Sewerage District)



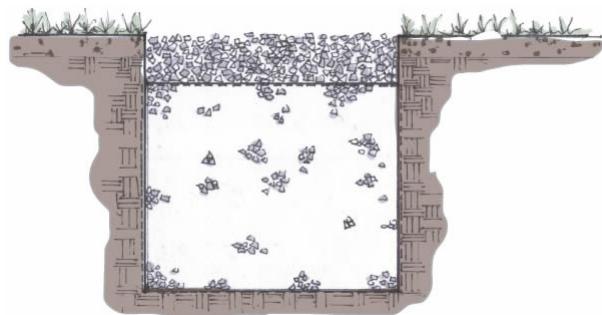
Rain gardens are shallow landscaped areas that collect and filter rain water.



Trees use water and make soils better able to soak up water.

Permeable pavements allow water to soak into the ground.

(Photo Credit: NHDES)



Dry wells collect runoff and allow it to gradually soak into the soil.

(Photo Credit: © 2011 Braden Drypolcher. Reprinted with permission.)

Green roofs have a layer of plant material that captures rain water.



## Pet Waste Management

**Minimum Measure:** Public Education and Outreach on Stormwater Impacts

**Subcategory:** Education for Homeowners

### Description

When pet waste is improperly disposed of, it can be picked up by stormwater runoff and washed into stormdrains or nearby waterbodies. Since stormdrains do not always connect to treatment facilities, untreated animal feces often end up in lakes and streams, causing significant water pollution.

Decaying pet waste consumes oxygen and sometimes releases ammonia. Low oxygen levels and ammonia can damage the health of fish and other aquatic life. Pet waste carries bacteria, viruses, and parasites that can threaten the health of humans and wildlife. Pet waste also contains nutrients that promote weed and algae growth (eutrophication). Cloudy and green, Eutrophic water makes swimming and recreation unappealing or even unhealthy.



### Applicability

Since there are pet owners in all communities, pet waste management is an issue for all municipalities. Municipalities can do a variety of things to encourage pet owners to properly dispose of their animal's waste. They can distribute materials that explain how pet waste harms water quality and how citizens can help reduce water pollution. Additionally, municipalities can enact an ordinance that provides a legal basis to fine pet owners for improper waste disposal.

### Implementation

The first step in a pet waste management program is to increase public awareness. Pet waste management programs encourage proper waste disposal by passing local ordinances and launching public education campaigns that inform pet owners about the importance of cleaning up after their pets.

Many communities implement pet waste management programs by posting signs in parks or other pet-frequented areas, by mass mailings, and by broadcasting public service announcements. Thurston County, Washington, has developed a [brochure \(PDF\)](#) (2 pp, 1.1MB) EXIT Disclaimer that instructs pet owners about the proper disposal of pet waste. The Alabama Department of Environmental Management also has developed a [brochure \(PDF\)](#) (2 pp, 2.8MB) EXIT Disclaimer describing the problems associated with pet waste and how to properly dispose of it.

Sign posting is one of the most common outreach strategies. Signs can designate areas where

dog walking is prohibited, where waste must be recovered, or where dogs can roam freely. Many communities post neighborhood signs that ask pet owners to "Curb Your Dog." The rationale behind the request is that dogs walked along the curb are more likely to defecate on the road, where the waste can be captured by street sweeping. However, waste deposited in the road is also more likely to be washed down storm drains, so this tactic has limited usefulness.

A "pooper-scooper" ordinance is an effective solution. Many communities have pooper-scooper laws that mandate pet waste cleanup. Some of these laws specifically require anyone who takes an animal off their property to carry a bag, shovel, or scoop. Any waste left by the animal must be collected immediately. Some of these laws also include fines that can offset some of the program costs. In addition to postings, many communities have established dog parks. Other communities have installed "pet waste stations" with waste receptacles and a supply of waste collection bags, scoops, and shovels.

In some communities, public works departments or public utilities have developed programs to control pet waste. More than 150 canines showed up at one Southern California pet store to put their paw print on a pledge to make sure their owners clean up after them. The Los Angeles County Department of Public Works Environmental Programs Division also developed a program to control pet waste. By profiling various groups of pet owners, the Division identified the best target for reducing coastal pollution. The program included a multimedia campaign to educate new and existing pet owners about the water quality effects of pet waste. The program gave pet-owners cleanup kits and installed plastic bag dispensers in parks. The Division established partnerships with local pet stores and pet supply companies to promote the program (Lehner, 1999).

Deciding whether to encourage residents to dispose of pet waste in the trash, bury it in their yards, or flush it down the toilet is an important issue for communities. The [City of Columbus](#) EXIT Disclaimer, Ohio, recommends that pet owners flush it, or bag it and place it in the trash. The [City of Albuquerque](#) EXIT Disclaimer, New Mexico requires pet waste to be picked up from any property other than the owners. The waste must then either be flushed down the toilet or wrapped tightly and put in the household trash.

## Benefits

Pet waste management results in cleaner neighborhoods, with improved aesthetics and better water quality. Reducing pet waste reduces an important source of water-polluting nutrients - that's the message specifically targeted at pet owners.

The New Hampshire Department of Environmental Services conducted a study to determine the source of bacteria in water samples in Dover, New Hampshire. It found dog waste to be a significant source of the bacteria. To solve this problem, it decided that pest waste should be picked up with a plastic bag and placed in the trash. Alternatively, unbagged waste could either be flushed down the toilet or buried about five inches deep into the ground.

## Limitations

Because pet waste management is focused toward individual pet owners, the program is dependent on the participation and cooperation of all pet owners. Many consider it a nuisance to consider the environmental and aesthetic benefits of pet waste management, however.

## Effectiveness

To be effective, pet waste management programs must be enforced. Neighborhood residents, community organizations, and even the municipality are responsible for ensuring that pet owners pick up after their pets and properly dispose of the waste. For the program to be fully effective, every pet owner must participate. In the city of Oskosh, Wisconsin, dog owners are required to remove pet waste from any property other than the dog's owner. The penalty for failure to comply is \$116.75 in fines and court fees (City of Oshkosh, 2001). In Arlington County, Virginia, the county has established standards for dog exercise areas, including where to site them, how to maintain them, and the extent of the county's financial obligations for them.

### Costs

The cost of a pet waste management campaign will vary depending on several factors, including the materials produced (signs, ads, clean-up stations). The cost of signs will depend on the material used; plastics can be just as durable as and often cheaper than metal. In Sausalito, California, the Remington Dog Park, established in 1991, has spent more than \$36,000 for park improvements. Most of the money has been raised by user donations (Dogpark.com, 2000). At the Mary Jane Roe Dog Park in the town of Clifton Park, New York, \$700 was spent to install a sealed, 500-gallon underground septic tank for pet waste. Each pet owner is charged \$20 for a permit to use the dog park. Funds from the permit fees will be used to help offset the costs of the septic system (Kemper, 2000). In Poway, California, the city council raised \$25,000 to pay for fencing, gates, signs, irrigation, modifications, and retired fire hydrants (City of Poway, no date).

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## A.10 Action Steps

### APPENDIX 10 ACTION STEPS:

**1. PHOSPHORUS:** River advocates can help reduce phosphorus in the Quinnipiac by backing measurable and enforceable standards for waste water treatment so that regulators and engineers can achieve a solution to the phosphorus problem. Advocates can also work to reduce excess fertilizer use by everyone in their community to remove additional phosphorus and protect all rivers and streams, whether waste-receiving or not.

**2. NITROGEN:** River advocates can support requirements for nitrogen removal by waste water treatment plants. They can also advocate in their communities to reduce excess fertilizer use, get their towns to find and stop illegal sewage discharges, and restore stream-side vegetation in order to remove excess nitrogen entering waterways. The USDA NRCS has demonstrated that leaving a buffer of vegetation and soil alongside waterways effectively cleans polluted runoff and is one of the most cost-effective ways to prevent water pollution in urbanized watersheds.

**3. SUSPENDED SOLIDS:** To reduce solids, river advocates can support good housekeeping of roads and streets by their municipal public works departments. Advocates should also argue for municipal land use regulations that require developers to keep sediment from leaving the building lot and entering storm drains and the nearest watercourse. As new contaminants often reach waterways by clinging to particles, advocates can reduce pollution by reporting violations and supporting enforcement against uncontrolled sediment.

**4. BACTERIA:** To reduce bacteria, river advocates will need to promote strengthening requirements for non-point sources using state and municipal permits. Bacterial reduction is necessary to reclaim recreational

uses of the Quinnipiac, Mill and West Rivers and their streams. Important tools include local ordinances to control dog waste, restrict feeding of geese and ducks, restore tree buffers along streams and find and regulate illegal discharges. Some of these steps are required by the MS4 (stormwater) permit but are opposed by municipalities. Advocates must press officials to implement these tools to reduce bacteria.

**5. PHTHALATES:** Advocates should verify whether any phthalate processing industries discharge to the Quinnipiac River or to POTW's which discharge to the river.

**6. PHARMACEUTICALS:** While removing pharmaceuticals from humans' excreted waste will be more of a challenge, river advocates can take one step immediately to reduce concentrations of pharmaceuticals: promote diversion of unwanted medicines to burn for disposal rather than flush them down the toilet. Many municipalities provide a safe disposal for pharmaceuticals at the local police station and federal regulations now allow pharmacies to accept unwanted pharmaceuticals. But pharmacies are not volunteering to be safe disposal sites and some towns have no designated disposal site. Education can teach residents that one method of safe disposal of unwanted pharmaceuticals is to dissolve them in a small amount of liquid, then throw the container into the trash.

**7. PESTICIDES:** Advocates can persuade governments, institutions, residents and businesses to use alternatives to the insecticides fipronil and dichlorvos to safeguard aquatic life.

### 8. UPDATED WATER QUALITY

**STANDARDS:** River advocates who desire an update of water quality standards to add specific chemicals of concern or additional temperature controls to protect cold water fish such as trout should use the Triennial

## A.10 Action Steps

*Review process to request the addition of new pollutants not previously regulated and tighten restrictions on water temperature in certain areas important to survival of cold water fish. To stay abreast of regulatory proposals, any citizen can request to be added to the CT DEEP listserve through their website. CT DEEP distributes notices of upcoming regulatory procedures and timetables are distributed to followers of the listserve.*

### **9. PARTICIPATION IN PERMIT HEARINGS:**

*Permits are generally an adversarial process. To become effective river protectors, river advocates must learn to use all three river permit categories: discharges, diversions and local land use decisions. Advocates must appear at permit hearings and argue for best practices to protect water quality and quantity so that regulators will require these measures of applicants. Advocates may trigger a public hearing for state permits by collecting the required 25 signatures.*

### **10. STRENGTHENING NPDES PERMITS:**

*River advocates who wish to strengthen industrial NPDES permits need to participate in the public comment period which opens only once every 5 or 10 years for each facility. This window is the time for river advocates to comment on the recreational, fishing and human contact impacts of these discharges to the river, and to recommend CT DEEP impose additional requirements of the permit holder to reduce impairments. For example, paddlers might request a longer chlorination season if they are on the river before May 1 or after October 1st.*

*CT DEEP has a link on their website for signing up to receive public notices. This listserve will notify advocates that a permit issuance is pending.*

*A public comment period follows CT DEEP's notice of intent to issue a specific permit. The public may request a formal hearing by submitting 25 signatures. Whether CT DEEP holds a hearing or not, this notice*

*of intent to issue a permit is the time for advocates to put comments on the record. Advocates might press CT DEEP to deny, strengthen, or allow the permit to go forward.*

*The most significant industrial permit on the Quinnipiac today is Cytec Industries, which expires in May 2016. Advocates should begin to review this permit in mid-2015 to determine how to strengthen it using best practices.*

### **11. MONITORING REMEDIATION**

**PERMITS:** As the Solvents Recovery permit does not expire, river advocates' options are limited to periodically inspecting data from the treatment facility, available at CT DEEP, to ensure compliance.

### **12. STRENGTHENING SEWAGE TREATMENT (POTW) REQUIREMENTS:**

*When considering urban waste-receiving rivers, which are already heavily stressed, it is clear POTW permits must be strengthened at every renewal. In summer, fully one-half of the Quinnipiac River's flow is treated wastewater. River advocates can participate in the 5-year renewal of POTW (municipal waste treatment plant) permits. They can demand additional phosphorus and nitrogen removal, removal of pharmaceuticals, and chlorination of effluent throughout the months of aquatic recreation and human contact (April through October).*

### **13. REDUCING CSO POLLUTION:**

*Advocates can follow upgrades and information on current CSO permit requirements and locate individual CSO's by using the interactive tool on the CT DEEP website. They can help reduce the incidence of overflows by encouraging residents in combined sewer areas to disconnect roof leaders (drain spouts) and use green infrastructure techniques to allow rainwater to filter through the soil on the parcel rather than leaving the property in pipes.*

## 14. STRENGTHENING INDUSTRIAL

**GENERAL PERMITS:** Here is an opportunity to upgrade hundreds of permit holders simultaneously. The industrial stormwater General Permit renewal in late spring 2016 is the next chance for river advocates to argue for best practices for the entire class. To assist river advocates, CT DEEP should reformat their GSI data entry to include watershed basin codes in stormwater permit data sheets. Advocates can then target their local river or stream basin for water quality improvement. It is difficult for river advocates to track the impact of general permits on a particular watershed because the CT DEEP database does not group GSI permits by watershed.

## 15. IMPROVING COMMERCIAL GENERAL

**PERMITS:** The next opportunity for river advocates to tighten commercial activity permits will be 2017. Commercial activities best practices include: regular sweeping, oil and sediment control, staff training, preventing dumpster leakage, and other “good house-keeping” steps.

## 16. STRENGTHENING CONSTRUCTION

**GENERAL PERMITS:** Each five-year update is an opportunity for river advocates to improve construction permits for an entire class of permit holders by recommending best practices. The next opportunity for strengthening construction permits is 2018. Construction best practices to reduce water pollution include: developing and maintaining a stormwater pollution control plan, phased disturbance of the land, and Low Impact Development (LID) design. In addition, river advocates should pay close attention to local development sites to ensure developers are taking action to keep sediment from leaving the site. If not, advocates should alert local land use authorities.

## 17. TARGETING MUNICIPAL LAND USE:

To improve water quality in the Quinnipiac, river advocates must target municipalities with

the largest percentage of their land acreage lying within the Quinnipiac River watershed, beginning with North Haven, Southington and Wallingford. These targeted municipalities should require best practices to reduce water pollution.

## 18. SUPPORT FOR MUNICIPAL

**STORMWATER PERMITS:** As MS4 permits have been extended one year to January 2016, there is an opportunity in 2015 for river advocates to speak up for their urban rivers and argue for the most cost-effective steps to start reducing bacteria and other stormwater pollutants. Support for MS4 pollution controls has been small and quiet; opposition has been large and vocal. River advocates must speak for rivers, reminding regulators that polluted stormwater is a major cause of urban river impairment. Advocates can also argue for the inclusion of low impact development (LID) in municipal stormwater general permits. Advocates should also check if municipalities have submitted their annual stormwater management plan, and the extent of their success in meeting the six water pollution control measures.

## 19. SUPPORT FOR STORMWATER BEST

**PRACTICES:** To improve water quality in the Quinnipiac, river advocates must target municipalities with the largest percentage of their land acreage lying within the Quinnipiac River watershed, beginning with North Haven, Southington and Wallingford. These targeted municipalities should require best practices to reduce water pollution.

Low Impact Development (LID) is a proven technique for reducing polluted runoff from residential, commercial, industrial and governmental sites. River advocates should participate in and support the most cost-effective best practices, including pet waste control, correction of illicit discharges, and urban streambank restoration.

CT DEEP can help river advocates target restoration of water quality by organizing

stormwater permits into watershed basins. Permit application forms should include an entry for basin codes to allow CT DEEP and river advocates to introduce best practices into a single basin. In this manner, one basin at a time can be improved, and then removed from the impaired waters list.

## 20. SUPPORT FOR STREAMFLOW:

Advocates should seek to change the allocation method in registrations to allocate water by apportionment. They should actively participate in streamflow stream classification meetings in 2015 (see Streamflow, below) and call for a minimum flow to be set aside for the environment, specific to each river: the Quinnipiac, Mill and West and their tributaries. If the local river or stream basin is too dry in the summer, advocates should seek to retire unused registrations, report unauthorized diversions, and support requirements that users must implement water resource management, conservation and sustainable design.

## 21. STRENGTHENING WATER DIVERSION PERMITS:

River advocates should comment on the size of the proposed continued diversion if they have observed any impairment to their local river or stream, for example, very low flows in summer that harm fish life or prevent boating or human recreational use. Advocates can observe stream conditions in the field and compare what they are seeing to readings on the stream gages. They should record at what gage measurement the stream or river is impaired by low flow and include that information in testimony.

Advocates should comment on active diversions when each diversion permit expires. During this window of time, CT DEEP accepts public comments on diversions which may be harmful to fishing, boating, human recreation or other competing needs. This is the appropriate time to seek best practices including leak prevention, water conservation technology, conversion of golf courses to sustainable

design, or additional water storage capacity to ensure year-round flows in rivers and streams.

In the event of water shortages in certain regions, there are several options to change the law that would add water back into the system. These options include:

- Pull unused registrations
- Add groundwater to the streamflow regulations
- Require water use reporting for registrants
- Require new subdivisions test groundwater before construction
- Require more accurate water resource planning and mapping
- Convert perpetual registrations to renewable diversions

## 22. PARTICIPATION IN STREAM CLASSIFICATION:

River advocates have an opportunity to comment on the proposed classifications of the streams and rivers of our South Central CT region scheduled for summer 2015. Those who value wildlife and water-based recreation must actively participate in this process, or our region's rivers and streams may be legally deprived of flow in the hottest, driest part of the summer. Advocates must ensure that chronically stressed basins are continuously measured. When flow is approaching critical levels, regulators should restrict or suspend unnecessary withdrawals for consumptive uses (e.g. lawn watering), and conservation measures should be mandatory.

## 23. MONITORING THE STATE'S WATER PLAN:

To improve river flow in summer, the most critical time of the year, river advocates will need to monitor the creation of the new state water plan from 2014 to 2018. The state's Water Planning Council is the multi-agency group that will prepare for the plan. Advocates must monitor and document low flow in their local river, then tell the Water Planning Council and legislators to change policy and law to conserve and add water back into the system if their local river or stream is impaired.

**24. ADVOCATING FOR ADAPTATION TO CLIMATE CHANGE:** *Past history as measured by the gages is no longer a reliable indicator of future trends. Advocates should seek additional water storage and conservation steps for Connecticut as part of climate change adaptation.*

**25. ACTIONS BY STATE AGENCIES:** CT DEEP should circulate a guide and model ordinance for local control of stormwater. CT DEEP should also partner with CT DOT to include stormwater management best practices in design and reconstruction of state roads which traverse local municipalities. State action is needed because local planning officials do not have jurisdiction over state roads and are unable to require stormwater filtration improvements of state roads.

CT DEEP can help river advocates target restoration of water quality by organizing stormwater permits into watershed basins. Permit application forms should include an entry for basin codes to allow CT DEEP and river advocates to introduce best practices into a single basin. In this manner, one basin at a time can be improved, and then removed from the impaired waters list.

**26. TRAINING FOR MUNICIPALITIES:** River advocates can improve water quality at the local level by encouraging each municipality (staff and zoning officials) to attend landscape stewardship training sessions, adopt model ordinances and best practices for municipal projects, and require best practices of the developers who come before them for local permits.

**27. MONITORING IMPAIRED FLOWS:** River advocates should comment on the size of the proposed continued diversion if they have observed any impairment to their local river or stream, for example, very low flows in summer that harm fish life or prevent boating or human recreational use. Advocates can observe stream conditions in the field and

compare what they are seeing to readings on the stream gages. They should record at what gage measurement the stream or river is impaired by low flow and include that information in testimony.

**28. ADVOCACY:** Successful advocacy on behalf of restoring rivers begins with following this report's timeline for advocacy on state water quality and quantity permits, regularly monitoring local land use permits, organizing river-friendly allies to provide testimony, and inserting best practices into the permit record.

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**Back Cover Photo:**  
*Mary Mushinsky*

