

Revised July 1, 2007

STORMWATER MANAGEMENT PLAN

TOWN OF REDDING, CT.

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Abbreviations Key

ACO	Animal Control Officer
BMP	Best Management Practice
BS	Board of Selectman
CC	Conservation Commission
FC	Facilities Coordinator
FS	First Selectman
GIS	Geographic Information Systems
HD	Health Department
HID	Highway Department
HRRA	Housatonic Resources Recovery Authority
IDDE	Illicit Discharge Detection & Elimination
IPM	Integrated Pest Management
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
OA	Office of Assessor
PC	Planning Commission
PRD	Park and Recreation Department
TMDL	Total Maximum Daily Load
TSRC	Transfer Station & Recycling Center
WPCC	Water Pollution Control Commission
ZC	Zoning Commission
ZEO/WO	Zoning and Wetlands Enforcement Officer

MCM #1: Public Involvement/Participation

Measured goals include an increase in advertisement and attendance for the Household Hazardous Waste Day. Also, the identification and promotion of similar-style of events will be investigated.. The Norwalk River annual clean-up will be quantified in order to gauge participation. Public opinion will be increasingly solicited via the Town web site.

BMP 1.1: Stormwater-Related Activities

1.1-1: HD coordinated the annual Household Hazardous Waste Day in Danbury with total Redding car count of participants equaling 86 (2004). HD coordinated the annual Household Hazardous Waste Day in Danbury with total Redding car count of participants equaling 88 (2005). HD coordinated the twice-a-year Household Hazardous Waste Day in Danbury in the Fall with a total Redding car count of participants equaling 55 and in Newtown, CT in the Spring with 38 participants (2006).

1.1-2: FS promoted the annual Norwalk River clean-up in cooperation with non-profit volunteers and neighboring municipalities (2005, 2006).

BMP 1.2: Soliciting Public Opinion

1.2-1: ZEO placed a stormwater management link on Town web site requesting public inquiry and comment (2006).

MCM #2: Public Education & Outreach on Stormwater Impacts

Measured goals include filing/recordkeeping of public notification of recycling events and other public achievements. An increase in stormwater message delivery to public schools is anticipated. Tracking of distributed brochures, such as quantity and time of distribution shall be implemented. Business Owners may be to able learn about recycling and environmental design via the current Georgetown Brownfields redevelopment effort.

BMP 2.1: Develop Public Involvement/Participation Program

2.1-1: TSRC notified public of sorting and processing recyclables for drop-off via Redding Pilot newspaper and town brochures (2004, 2005, 2006).

2.1-2: FS initiates project work plans for the Gilbert & Bennett Brook Restoration where a natural riparian buffer and streamside park will be created along with the replacement of a failed stormwater catch basin and culvert (2004). FS continues the project work plans for the Gilbert & Bennett Brook Restoration where a natural riparian buffer and streamside park will be created along with the replacement of a failed stormwater catch basin and culvert (2005).

2.1-3: FS received a certificate for the White House Conference on Cooperative Conservation for the Redding Community – Norwalk River Watershed Initiative. This certificate is presented in recognition of outstanding leadership and personal stewardship in achieving results through cooperative conservation, an accomplishment profiled at the White House Conference on Cooperative Conservation held August 29-31, 2005.

2.1-4: FS receives the EPA National Award for Smart Growth Achievement for the Redevelopment of the Gilbert & Bennet Wire Mill which crosses the Norwalk River (2005).

2.1-5: FS plans to accept a 2006 membership as a municipal representative in the Landscape Stewardship program - Department of Environmental Protection Initiatives (2005). FS serves as municipal representative on the CT DEP Landscape Stewardship Advisory Committee and also on the Committee's subcommittee to promote training for Municipal Conservation Officials (2006).

BMP 2.2: Comply with State & Local Public Notice & FOI Requirements

2.2-1: CC, ZC, and PC hold public hearings on land use applications which may involve stormwater management issues (2004, 2005, 2006).

2.2-2: BS and a volunteer Cable Advisory Representative acquire a television channel, Cablevision 79, dedicated to Redding news, activities, and public access. The channel will be used for future town meetings and public education (2005). FS insures taping of events and airing on Channel 79 to develop public awareness channel (2006).

2.2-3 ZEO made available the 2006 Annual Stormwater Report for a 30 day public comment period with copies distributed to First Selectman, Town Clerk, Zoning Department, Mark Twain Public Library, and Town web site (2006).

BMP 2.3: Developing Municipal Outreach Programs

2.3-1: FS announced that the Nature Conservancy's Saugatuck River Watershed Partnership received a \$25,000 grant from the National Oceanic and Atmospheric Administration and American Rivers Partnership. The Redding Land Trust and Yale University students will start an environmental assessment of the Poliak Pond property on Umpawaug Road in West Redding (2005).

2.3-2: FS supports Houstanic Resources Recovery Authority (HRRA) membership (2005, 2006). FS supports, with financial resources, HRRA's Household Hazardous Waste Day, now expanded from once a year to twice a year (2006).

2.3-3: FS meets in Wilton with representatives from the Norwalk River Watershed Initiative to discuss formation of the Saugatuck River Watershed Initiative (2005).

2.3-4: OA, acting as Chair of GIS Committee, contracts Fuss & O'Neil for \$59,240 and sponsors workshop with neighboring towns for surveying and mapping in the Town Boundary Project (2005). OA, acting as Chair of GIS Committee, contracts Fuss & O'Neil to hold an on-site training workshop for town employees and officials. In addition, a preliminary copy of the Town's GIS system was hosted by Fuss & O'Neil as a test site for town employees and officials (2006). OA announce that the Fuss & O'Neil surveyors contracted to survey the Town boundaries have completed the project and a mylar map was filed on the Redding Land Records as well as in each abutting town (2006).

2.3-5: FS participates in drafting the Saugatuck River Watershed Conservation Compact, with the towns of Bethel, Danbury, Easton, Fairfield, Newtown, Norwalk, Redding, Ridgefield, Weston, Westport, and Wilton (2005).

2.3-6: FS receives letter of gratitude from The Nature Conservancy - Devil's Den Preserve & Saugatuck Forest Lands for Town's donation of \$5,000 in support of the Saugatuck River Watershed Partnership (2005, 2006).

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BMP 2.4: Promoting the Stormwater Message

2.4-1: FS provides Town office tour for 4th grade Redding elementary school and displays a recycling information table (2004). FS speaks at Redding elementary school and describes recycling activities (2005, 2006).

BMP 2.5: Stormwater Outreach Materials

2.5-1: FS plans to mail to all town residents via tax bills “How to Manage and Landscape Your Property” which includes an informative stormwater runoff section. The brochure will also be available in Town Hall lobby (2005, 2006).

BMP 2.6: Education for Homeowners

2.6-1: HD distributed horse stable manure management packets (2004, 2005, 2006).

2.6-2: FS prompts contribution/ publication of Redding Annual Report 2003-2004. FS prompts contribution and publication of Redding Annual Report 2004-2005. FS prompts contribution and publication of Redding Annual Report 2005-2006 (2004, 2005, 2006).

2.6-3: HD distributed “Septic Care & Maintenance for the Homeowner” brochure (2004, 2005, 2006).

2.6-4: FS plans to mail to all town residents via tax bills “How to Manage and Landscape Your Property” which includes an informative stormwater runoff section. The brochure will also be available in Town Hall lobby (2005, 2006).

BMP 2.7: Education for Business

2.7-1: FS receives the EPA National Award for Smart Growth Achievement for the Redevelopment of the Gilbert & Bennet Wire Mill which crosses the Norwalk River (2005).

MCM #3: Illicit Discharge Detection & Elimination

Measurable goals include completing the stormwater outfall map in Spring of 2007. Proposals for digitization of the stormwater mapping (GIS) shall be taken for implementation in the next permitting cycle. A comprehensive outline for an IDDE program is scheduled for 2008. An illicit discharge ordinance will be researched for possible implementation in 2008. Public reporting of illicit discharge events is scheduled for 2007, via an internet and brochure hotline number for reporting of illicit discharges. .

BMP 3.1: Map All Outfalls

The Spring 2007 Stormwater Outfall Mapping Project was constructed by the Assistant ZEO/WO. The OA provided a map set and stormwater outfall locations were marked on the maps by the HID personnel. This material was then collated to correspond with CT DEP required information for each outfall. The stormwater outfall mapping and categorization was completed on July 1 (2007).

BMP 3.2: Develop an IDDE Program

3.2-1: HD issued the following permits: 71 septic repair, 28 new septic systems, permits, 66 oil tank removals, 383 septic pumping; and conducted 6 pool inspections, and 1 landfill water test with 4 sampling sites (2004). HD issued the following permits: 34 septic repair, 19 new septic systems, permits, 47 oil tank removals, 321 septic pumping; and conducted 6 pool inspections, and 1 landfill water test with 4 sampling sites (2005).

3.2-2: CC issued 54 permits for wetland activities and no denials. In addition 6 Notice of Violations and no Cease and Desist Orders were issued (2004). CC issued 46 permits for wetland activities and denied 1 permit. In addition 2 Notices of Violations and no Cease and Desist Orders were issued (2005). CC issued 42 permits for wetland activities with 2 withdrawn, and 1 denied permit. In addition, 1 Notice of Violation was issued and one violation in litigation (2006). HD issued the following permits: 31 septic repair, 26 new septic system permits, 433 septic pumping, and conducted 6 pool inspections and 1 landfill water test with 4 sampling sites (2006).

3.2-3: HD oversees stormwater testing for the HID General Permit for CT DEP Discharge of Stormwater Associated with Industrial Activity (2004, 2005, 2006).

3.2-4: HD inspected category III and IV food service restaurants which must have an external grease trap in line to capture all grease discharged from the kitchen plumbing. Frequent restaurant grease trap inspections are made by the HD to assure they are being pumped, maintained, and serviced properly (2004, 2005, 2006).

3.2-5: ZEO/WO used a Town GIS mapping system for wetland identification and conducted inspection with a digital camera (2004, 2005, 2006).

3.2-6: ACO enforces "No Dogs on Beach" sign at Topstone Park during summer seasons and enforces no dogs on Community Center fields (2004, 2005, 2006).

BMP 3.3: Develop Illicit Discharge Ordinance

BMP 3.4: Trash & Illegal Dumping

3.4-1: TSRC collected 1.4 tons of batteries, .35 tons of fluorescent bulbs, 3,450 gallons of oil, and 0 gallons of anti-freeze (2004). TSRC collected 1.1 tons of batteries, .94 tons of fluorescent bulbs, 2375 gallons of oil, and 125 gallons of anti-freeze (2005). TSRC collected 1.23 tons of batteries, .47 tons of fluorescent bulbs, 2500 gallons of oil, 100 gallons of anti-freeze, and 7.35 tons of electronics (2006).

3.4-2: TSRC collected the following recyclables free of charge: glass, cans, plastics, magazines, waste oil & antifreeze, oil filters, fluorescent bulbs. Chargeable items included garbage, demolition materials, bulky waste, large appliances, and tires. Leaves and brush were dropped off during business hours, drop off for residents was free and commercial haulers were charged a fee (2004, 2005). TSRC collected the following recyclables free of charge: glass, cans, plastics, magazines, waste oil, anti-freeze, oil filters, Ni-Cd batteries, telephone books, usable clothes and shoes. Chargeable items include garbage, demolition materials, bulky waste, large appliances (Freon collected) and tires. Leaves and brush are also accepted, as well as scrap metal (2006).

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3.4-3: TSRC sets goal to recycle all or most electronics, projected to start in 2006. In the interim, all usable electronics were placed on the Free Table area (2005).

BMP 3.5: Decentralized Wastewater

3.5-1: WPCC approved a Phase III expansion of Georgetown waste water treatment plant from 75,000 gallons per day to 245,000 gallons per day (2004).

3.5-2: WPCC investigated a back-up problem in collection system from Meadow Ridge facility. There was a significant back-up problem on November 28 in the manhole at 2 Main Street. The sewer line was pumped and cleaned from the manhole to the treatment plant. On November 30, during an inspection of the manhole, there was an additional back-up and near overflow condition. After investigation, it was determined the problem was the result of a failure of the grinder system at the head of the sewer line at Meadow Ridge. In addition, there was a concern about various materials originating at the Meadow Ridge facility, materials that should not be in the system and a build-up of grease in the system. Meetings were held with Meadow Ridge management to discuss the problem and concerns. The HD has been involved during this procedure. Meadow Ridge has been asked to clean the sewer line from the manhole to their facility, and video the line to assure there are no blockages. In addition, HD conducted further tests (2005). WPCC recalls now overflows and a bacteria kill where partially treated sewage was released to the river in early March and reported to the CT DEP (2006).

BMP 3.6: Public Reporting

ZEO posted a stormwater and an erosion and sediment control issue reporting link on the Town's stormwater management web site (2007).

MCM #4: Construction Site Stormwater Runoff Control

Measurable goals include adopting enforcement language in Zoning Regulations that includes concrete washouts, general construction site waste management, spill prevention/control, and vehicle maintenance/washing areas at construction sites. This goal will be researched and scheduled for implementation in 2008.

BMP 4.1: Review Land Use Regulations to MS4 Permit/E&S Guidelines

4.1-1: PC regulated development with "Subdivision Regulations", adopted February 4, 1957; revised November 25, 1980; and effective December 8, 1980. "Section 4.5 - Storm Runoff and Erosion Control" requires every subdivision application to have planned control of storm water runoff and "Section 4.6 - Open Space Reservation" states that open space reservations may be required in any subdivision and up to ten percent (10%) of any subdivision tract may be open space (2004, 2005, 2006).

4.2-2: CC ensures wetland protection with "Inland Wetlands and Watercourse Regulations", effective October 20, 1999. Section 8.3(c) "Detailed Parameters" requires review of increased erosion problems resulting from changes in grades, ground cover, or

drainage features. “Section 10 – Enforcement” states that the Commission or an authorized agent shall inspect and investigate violations (2004, 2005, 2006).

4.2-3: ZC relies upon “Zoning Regulations”, adopted May 1950, effective June 1950, and revised February 1, 1986. Sections “5.2 – Site Plans, Nonresidential Uses”, “5.3 – Environmental Protection Standards”, “5.4 – Erosion and Sediment Control”, “5.5 – Land Clearing and Regrading”, and “5.14 – Farms, Produce Stands, Animal Operations” include provisions for stormwater management and “Section 6 – Administration and Enforcement” protects against violations (2004, 2005, 2006).

4.2-4: ZC relies upon “Section 5.13.7 – Special Residential Complex – Open Space” to minimize the area of paved surfaces within the Village Residential and Neighborhood Business Zones (2004, 2005, 2006).

BMP 4.2: Municipal Program Oversight

4.2-1: ZEO/WO issued 3 Cease & Desist Orders. ZEO/WO issued 252 zoning permits (2004). ZEO/WO issued 3 Cease & Desist Orders and no Notice of Violations. ZEO/WO issued 214 zoning permits (2005). ZEO/WEO issued 159 zoning permits (2006).

4.2-2: PC approved no subdivision applications and denied 1 (2004). PC approved 4 subdivision applications and denied 1. In 2005, Subdivision #503 was approved with a total of approximately 12 acres and a 3.3 acre conservation easement. Subdivision #505 was approved with a total acreage of approximately 30 acres and a total of 5.8 acres of open space (2005). PC approved 4 subdivision applications with none denied and one withdrawn. In 2006, PC approved subdivisions included approximately 15 acres of open space land (2006).

4.2-3: ZEO/WOC requires an “Inter-Department Check-off Sheet for Zoning Permits” The application must be signed by authorized agents of all Commissions and Departments prior to the issuance of a Zoning Permit and states that owner/applicant is responsible for compliance with all Town regulations (2004, 2005, 2006).

4.2-4: ZEO/WO distributes application form for site plan approval with copies of Town Regulations requiring erosion and sediment control measures (2004, 2005, 2006). ZEO/WO ordered 75 zoning regulation books for distribution (2006).

BMP 4.3: Construction Site Planning & Management

4.3-1: ZEO/WO conducted weekly inspections at Joel Barlow High School (35.5 acre construction site), along with multiple inspections with Donna Seresin from the CT DEP (2004, 2005). Assistant ZEO/WO conducted weekly soil erosion and sediment control inspections at Meadow Ridge Retirement Center and Georgetown Land Development. Also inspected Georgetown Land Development with Donna Seresin from the CT DEP and issued 2 Notice of Violations for Georgetown and 2 Notice of Violations for Meadow Ridge (2006).

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4.3-2: ZEO/WO requires that all single family dwellings permitted for construction submit a certified A-2 survey showing the location of any wetlands or watercourses on site, the location of septic area/sewage disposal system; and the location of any required drainage structures such as drywells, level spreaders, infiltration galleries, etc (2004, 2005, 2006).

BMP 4.4: Good Housekeeping/Materials Management

MCM #5: Post-Construction Stormwater Management in New & Redevelopment

Measurable goals include researching town-wide post-construction strategy involving zoning regulations and maintenance of post-construction structures designed to eliminate soil erosion and sediment control. A report summarizing this research will be available in 2008.

BMP 5.1: Review Land Use Regulations to MS4 Permit/E&S Guidelines

5.1-1: ZEO/WO requires an “Inter-Department Check-off Sheet for Zoning Permits” The application must be signed by authorized agents of all Commissions and Departments prior to the issuance of a Zoning Permit and states that owner/applicant is responsible for compliance with all Town regulations (2004, 2005, 2006).

5.1-2: ZC requires an “Inter-Department Check-off Sheet for Zoning Permits” The application must be signed by authorized agents of all Commissions and Departments prior to the issuance of a Zoning Permit and states that owner/applicant is responsible for compliance with all Town regulations (2004, 2005, 2006).

BMP 5.2: Develop Post-Construction Ordinance & Regulation

5.2-1: ZEO/WO requires that all single family dwellings permitted for construction submit a certified A-2 survey showing the location of any wetlands or watercourses on site, the location of septic area/sewage disposal system; and the location of any required drainage structures such as drywells, level spreaders, infiltration galleries, etc (2004, 2005).

BMP 5.3: Develop & Implement Post-Construction BMP Strategy

BMP 5.4: Develop Program to Ensure Long-Term BMP Operation & Maintenance

BMP 5.5: Innovative BMPs for Site Plans

5.5-1: In fiscal year 2003-2004, BS announced the award of a \$1,168,733 state grant for open space acquisition and \$3,000 America the Beautiful Grant to inventory large, unique, and historic trees (2004).

5.5-2: OA reports that approximately .6 new acres of state land and 16 new acres of Redding Land Trust were acquired (2004). OA reports that approximately 2 new acres of Town open space and 18 acres of Redding Land Trust were acquired (2005). OA reports that an additional 68.45 acres of land were dedicated to open space. The following are owners/stewards of the open space: Redding Land Trust – 2 acres, Aspetuck Land Trust –

36.75 acres, Town of Redding – 10.83 acres, and the Georgetown Land Development Corporation – 18.87 acres (2006).

5.5-3: HID stormwater improvements included paving of 3.88 miles of roadway, chip sealing of 5.87 miles of roadway, nova chip sealing of .69 miles of roadway, and installation of 600 feet of 18 inch pipe, 200 feet of 15 inch pipe, and 2 sumps with lids (36 inch size). HID stormwater improvements included the paving of 13.13 miles of roadway and installation of 80 feet of 24 inch pipe, 3945 feet of 18 inch pipe, and 1310 feet of 15 inch pipe. In addition, 28 sumps with lids (48 inch size) and 24 sumps with lids (36 inch size) were installed (2005). HID reports the paving of 8.53 miles of road way and the installation of 9 (48”) sumps and 9 (36”) sumps (2006).

5.5-4: HID monitors conservation easements for stormwater maintenance (2004, 2005, 2006).

MCM #6: Pollution Prevention/Good Housekeeping for Municipal Operations

Measurable goals include increased documentation and implementation of stormwater training for municipal employees in 2007. Documentation of street sweeping and catch basins is also scheduled for 2008. In contrast to previous outfall sampling, a Spring 2007 sampling is scheduled to provide an overall seasonal sampling of outfalls.

BMP 6.1: Develop Training Program for Municipal Employees

6.1-1: PRD stores gasoline in safety containers and personnel use funnels when pouring gasoline. Employees are trained to pour gasoline away from water or stormwater drains. Litter is picked up on the grounds by user groups. PRD personnel monitor field for litter at least weekly (2004, 2005, 2006). A weekly check list will be created to monitor patterns of litter (2007). A sign-off sheet will be created to tell employees of storm drains and to monitor them (2007).

6.1-2: FC provides employee training with a signature form requiring agreement to participate for instruction and comply with training requirements. Training includes best management practices involving mulching, weeding, mowing, trimming, cleaning, and painting (2004, 2005, 2006). FC adds specific stormwater training for personnel, including a sign-off sheet, storm drain awareness, and a specified gasoline mixing area for equipment (2007).

6.1-3: HID provides blood-borne pathogen training and equips road crews with blood-borne kits including gloves, goggles, gowns, and surgical gloves to assist in removal of roadkill and other waste found on highways (2004, 2005, 2006).

BMP 6.2: Sweep Streets at Least Once a Year as Soon as Possible After Snowmelt

6.2-1: FC allocated 200 pounds of calcium chloride for town facility sidewalks and 2 yards of salt/sand mix from the HID were used for driveways and lot. FC also swept all applied snow/ice material from facility walks and drives at the end of the winter season. This material was then delivered to HID for recycling/reuse (2004, 2005). FC allocated 200 pounds of calcium chloride for town facility sidewalks and 4 yards of salt/sand mix from the HID were used for driveways and lot. FC also swept all applied snow/ice material from facility walks and drives at the end of the winter season. This material was then delivered to HID for recycling/reuse (2006).

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6.2-2: HID mixes and loads road salt inside a salt barn and utilizes a 1:7 ratio of salt to sand for winter road maintenance. A wash rack is also used to clean vehicles and equipment (2004, 2005, 2006).

6.2-3: HID sweeps pavement and reclaims the winter salt/sand mix from the highways at the end of the snow season (2004, 2005, 2006).

BMP 6.3: Develop Program to Evaluate & Clean Stormwater Structures Annually

6.3-1: HID conducts annual cleaning of catch basins (2004, 2005, 2006).

BMP 6.4: Develop Program to Evaluate & Prioritize System for Upgrade/Repair

6.4-1: In the 2003-2004 fiscal year, HID reconstructed 2.5 miles of road with new drainage and asphalt (2004).

6.4-2: BS, with a Special Town Meeting, allocated \$5.4 million dollars to accomplish road work and drainage improvements. At the conclusion of the projected four year effort, 35 local roads will receive corrective measures. This is the first bonded road project in the history of the Town (2005). On-going drainage improvements are made to town roads, improving run-off (2006).

6.4-3: HID began a new drainage project. Drainage construction consisted of over 6,000 square feet, some of which was replacement of old, but most of which was new and necessary drainage. A second project involved road surfacing, paving, and micropaving. For many years the Town roads were chip sealed, which is a process that consists of laying a high coat of oil and stone down on the road. In the winter, snow plows would remove a large percentage of stone and it would end up in waterways. Road resurfacing addresses this problem and in the fiscal year the HID was able to shim and repave 14.6 miles of road (2005).

6.4-4: HID will receive \$5 million dollars over the next 3 years for drainage and repaving projects. A goal is set to complete 8000 feet of drainage and 40 miles of asphalt paving (2005).

6.4-5: OA becomes Chairman of a GIS Committee, consisting of members from the following departments: Assessment, Highway, Zoning, Land Use, Volunteer Fire Department, and Conservation. Redding Land Trust was also represented. OA contracts with Fuss & O'Neil for correction of parcel lines at a cost of \$37,412 (2005). OA prompted purchase of color orthophotography from SNET/SBC. In addition, a copy of Arc IMS as well as a computer server to house the software was purchased for the Town to host its own website and intranet access for employees and officials (2006).

6.4-6: WPCC replaced a large capacitor in the motor section of the valve assembly and the valves were recalibrated, as a result of situation listed in MCM 3 – BMP 3.5 (2005).

BMP 6.5: Education

6.5-1: ZEO/WO was member of Connecticut Zoning Enforcement Officers and attended bimonthly informational seminars. ZEO/WO attended Workshop for Inland Wetlands held by the Connecticut Association of Conservation, attended Review of Soil Erosion

and Sediment Control sponsored by the Certified Professional Erosion and Sediment Control program in New York, and attended Soil Erosion Seminar at the University of Connecticut Continuing Education (2004). ZEO/WO was member and treasurer of Connecticut Association of Zoning Enforcement Officers and attended bimonthly informational seminars. ZEO/WO attended Vernal Pool Workshop held by the Connecticut Forest and Park Association and also attended a Connecticut Association of Wetland Scientists Meeting held by Land-Tech Consultants. The Town paid memberships dues to the Connecticut Federation of Planning and Zoning Agencies (2005). ZEO served as CAZEO treasurer and attended 5 CAZEO Meetings. ZEO/WO attended CT DEP stormwater presentation by Christopher Stone in Fairfield (2006). Assistant ZEO/WO attended CAZEO certification program and a Norwalk River presentation (2006).

6.5-2: FS was Redding Garden Club member and participated in educational events (2004, 2005, 2006). FS, Member of Committee “Saving Natural Redding” – to remove invasive plants – held 2 meetings with educational speakers for public (2006).

6.5-3: FS attended the Connecticut Conference of Municipalities Convention and reviewed stormwater contractor kiosks (2004, 2005).

6.5-4: FS attended CT DEP Stormwater Workshop (2005).

6.5-5: CC member attended Connecticut Association of Conservation & Inland Wetland Commission meeting. CC Chairman attended Stormwater Management session in Westchester County, New York. CC Chairman attended CT DEP training session on plant identification. CC Chairman attended Connecticut Association of Wetland Scientists Meeting (2006).

6.5-6: OA prompted 3 members of the GIS Committee to attend the NEARC Conference held in Mystic, CT. At this workshop, OA, acting as GIS Committee Chair, and a representative from Fuss & O’Neil gave a presentation of the Town Boundary Project (2006).

BMP 6.6: Municipal Activities

6.6-1: CC participated in the Northeast Utilities transition station project location discussion by attending information meetings and performing site inspections of the proposed locations (2004, 2005).

6.6-2: FS approves contracting Land-Tech Consultants to assist CC in Northeast transition station project location (2004). FS continues to contract Land-Tech Consultants to assist CC in Northeast transition station project location (2005).

BMP 6.7: Municipal Facilities

6.7-1: PRD contracted field maintenance to Stecks Landscaping for mowing and Premier Turf for aeration, fertilization, and herbicide applications (2004). In September, PRD purchased mowers to maintain fields in-house, with mowing twice per week leaving clippings on the field. The height of cut ranges from 2.25”-2.75”. Fertilization occurs 3-4 times per year at the rate of 175 lbs. per acre. In the Fall, an 18-2-18 50% slow release is applied and in the spring and summer a 24-5-11 fertilizer is applied (2005, 2006). PRD developed an Integrated Pest Management (IPM) program to guide field management and

define the limited use of pesticides. An organic management of the RES field with Harrington's Organicare was budgeted and is being monitored for applicability to other fields (2005, 2006). PRD monitors area of RCC field on South that is washed out after extreme storms and replaces clay (2006). PRD investigates regarding edge of ball field (near third base) to have water drain more evenly (2007).

6.7-2: PRD practices minimal grass cutting at Topstone Park, primarily the side of the entry road and beach path (2004, 2005, 2006).

6.7-3: PRD provides garbage cans and polices Topstone Park daily for litter and geese droppings during the summer season (2004, 2005, 2006).

6.7-4: FC uses 2 'slop' sinks with specialized floor basins for in-house cleaning at the Community Center and one basin sink at Town Hall (2004, 2005, 2006, 2007). FC starts policy of obtaining approval from FC before personnel use the basin drains (2007).

6.7-5: FC maintains a Material Safety Data Sheet booklet at each town building (Community Center, Town Hall, police station, highway department, old townhouse, and annex building) (2004, 2005, 2006, 2007). FC adds a new binder to accommodate the Material Data Sheet that lists environmentally Green-Tree products (2007).

6.7-6: FC allocates 20 gallons of water-based paint for seasonal building painting (2004, 2005, 2006).

6.7-7: FC sends all grass clippings, leaves, bulbs, cardboard, batteries, paint cans, plastics, and excess mulch to TSRC (2004, 2005, 2006, 2007).

6.7-8: FC uses 'Speedy-Dry' absorbent material to clean-up any spills (2004, 2005). FC reports fuel spills due to assigning a designated fuel mixing area near equipment shed (2006).

6.7-9: FC conducts daily trash and litter inspection of facilities (2004, 2005) FC designates one person for daily trash and litter inspection of facilities (2006, 2007).

6.7-10: FC mixes gasoline for mowers in a shed and uses plastic containers with attached funnels (2004, 2005, 2006, 2007). FC designates a fuel mixing area for all equipment regardless where they run out of gas well in operation (2006, 2007).

6.7-11: FC specifically hires seasonal workers for hand removal of weeds, in lieu of applying herbicides (2004, 2005, 2006, 2007).

6.7-12: HID recycles fuel with a 250 gallon concrete tank and anti-freeze with a 55 gallon container (2004, 2005, 2006).

6.7-13: HID applies no herbicides (2004, 2005, 2006).

6.7-14: HID utilizes a Reed Screen-All to recycle road debris (2004, 2005, 2006).

6.7-15: HID has 2 above-ground 10,000 gallon fuel tanks with a Vetter Route that monitors product, leaks, and moisture via a connection to the office (2005, 2006).

Monitoring

S1.1: Sample 6 Outfalls Annually

S1.1-1: ZEO with Aqua Environmental Lab sampled 2 sets of 6 Outfalls dated 8/15/06 and 8/29/06 to represent 2004 and 2005 Annual Report sampling.

S1.1-2: ZEO with Aqua Environmental Lab sampled 6 Outfalls dated 10/17/06 to represent the 2006 Annual Report sampling.

S1.1-3: ZEO with Aqua Environmental Lab the sampling of 6 Outfalls for the Spring season (2007).

Best Management Practice Timeline

BMP	2004	2005	2006	2007	2008	Next Permit
1.1	X	X	X	X	X	
1.2	I	I	X	X	X	
2.1	X	X	X	X	X	
2.2	X	X	X	X	X	
2.3	I	X	X	X	X	
2.4	X	X	-	S	S	
2.5	I	X	-	S	S	
2.6	X	X	X	X	X	
2.7	I	X	-	S	S	
3.1	I	I	I	X	X	
3.2	X	X	X	X	X	
3.3	I	I	I	I	S	
3.4	X	X	X	X	X	
3.5	X	X	-	S	S	
3.6	-	-	-	X	X	
4.1	X	X	X	X	X	
4.2	X	X	X	X	X	
4.3	X	X	X	X	X	
4.4	I	I	-	S	S	
5.1	X	X	X	X	X	
5.2	X	X	X	X	X	
5.3	I	I	I	I	I	
5.4	I	I	I	I	I	
5.5	X	X	X	S	S	
6.1	X	X	X	X	X	
6.2	X	X	X	X	X	
6.3	X	X	-	S	S	
6.4	X	X	X	X	X	
6.5	X	X	X	X	X	
6.6	X	X	X	X	X	
6.7	X	X	X	X	X	
S1	X	X	X	X	X	

X = completed or continually on-going

S = scheduled for completion

I = incomplete

- = incomplete data

S1 = Outfall Sampling.