

Pollution Control Projects Implementation

Facilities Engineering Division

August 6, 2004

Results

The water pollution control program provides municipalities with technical and administrative assistance through the preliminary planning, design and construction of pollution control projects. The program also involves the administration of federal and state monies for municipal pollution control system planning and construction. More specific program goals include:

- Assisting municipalities in meeting requirements of NPDES direct discharge permits.
 - o Abatement of direct discharges of pollution to surface waters of the state.
 - o Compliance with Vermont surface water quality standards.
- Assisting municipalities in meeting Vermont water pollution control statutory requirements.
 - o Abatement of combined sewer overflows, in accordance with Vermont combined sewer overflow policy.
 - o Reduction of phosphorus discharges to Lake Champlain and Lake Memphremagog drainage basins, in accordance with Vermont law and Lake Champlain phosphorus TMDL.
 - o Management of water quality of indirect discharges to groundwater.
 - o Management of wastewater treatment residuals, in accordance with Vermont solid waste management statutes.
- Assisting municipalities in reducing discharges of stormwater pollutants to surface waters, in accordance with Vermont law.
- Assisting municipalities in rehabilitation and upgrade of existing wastewater collection, pumping and treatment facilities, for pollution control and economic development.

Providing technical assistance to other divisions of the Environmental Conservation Department, especially Water Quality Division and Wastewater Management Division.

Key Indicators

- Number of facilities in compliance with phosphorus control statutes.
- Number of facilities in compliance with Vermont combined sewer overflow policy.
- Number of direct pollution discharges eliminated.

Story Behind the Baseline

- Vermont municipalities need various wastewater treatment facility and conveyance system construction and improvement projects: new treatment facilities to abate existing pollution; implementation of original facility and collection line construction; enlargement and/or refurbishment of existing facilities; implementation of nutrient removal or sludge and septage treatment improvements at existing facilities; combined sewer overflow abatement; or collection

line extensions. There are currently 92 municipalities holding NPDES discharge permits and four state-only permits to discharge. Occasionally the federal and state statutes pertaining to water quality are revised, and municipalities must meet new permit requirements. These municipalities desire to take advantage of the loan and grant funding programs administered by the Department for this work.

- Without the loan and grant programs for project planning, design and construction, it is likely that significantly fewer projects for pollution control and municipal growth would occur.
- Without program funding, the planning list and project funding priority list would not be prepared. The planning list presents the long-term municipal pollution control needs and match these needs with anticipated state and federal funding. The project priority list, which is adopted each year through a public process, determines what project will be funded out of the current year's actual state and federal appropriations.

Strategies/ Performance Measures/ Proposed Accomplishments

Pollution Control Projects Managed by Facilities Engineering Division

Indicator Name	1999	2000	2001	2002	2003	2004	2005	2006
Number of Projects Managed	26	27	23	32	44	42	35	35
Actual Projects Going to Construction	12	16	10	10	13			

Annual Capitalization Grant in Million of \$ P=projected A=actual		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Federal Capitalization Grant Allotment	P								6.0	6.0	6.0	6.0
	A	9.904	2.991	6.577	6.577	6.555	6.496	6.51				
State Appropriation	P										6.0	6.0
	A	2.274	1.234	7.583	6.21	6.476	7.45	5.907	5.389	5.449		