

CHAPTER 7: SOURCES OF POLLUTION

B. CHEMICAL BULK STORAGE

INTRODUCTION

In an effort to prevent improper storage and handling of hazardous substances, the New York State Legislature passed Article 40 of the Environmental Conservation Law, the Hazardous Substances Bulk Storage Act of 1986. This law requires NYSDEC to develop and enforce State regulations governing the sale, storage, and handling of hazardous substances, as needed to prevent leaks and spills in New York State. Controls established by law include: registration and inspection of storage and handling facilities; standards for the design, construction and operation of the facilities; and requirements for proper facility closure. The regulations apply to both underground and above ground tanks and prohibit sales of hazardous substances to unregistered facilities.

Hazardous substances subject to regulation are listed in Part 597 of the Chemical Bulk Storage (CBS) regulations. Over 1000 solids, liquids, and gases that are toxic, known or suspected carcinogens, explosive or otherwise dangerous when improperly handled or stored are included on the list. Under Part 596 of the CBS regulations, hazardous substance storage tanks (or bins if solids are stored) must be registered with NYSDEC. Tank registration is valid for two years, after which renewal is required. Only stationary tanks are registered at this time. Owners must register all underground tanks regardless of size, and above ground tanks with a capacity of 185 gallons or more. If a tank is temporarily out of service, it must be registered until it is permanently closed.

RESULTS

There are sixteen CBS facility permits throughout the Seneca Lake Watershed. No Chemical Bulk Storage sites are currently registered in the Chemung County portion of the Seneca Lake watershed. Seneca County has one Chemical Bulk Storage facility. Schuyler County has five, Ontario County has six and Yates County has four Chemical Bulk Storage facilities. Chemical Bulk Storage facility tank listings and water quality information along with their respective sub-watershed locations are listed in Tables 7B. 1. through 7B.4. and illustrated on Figure 7B.1. that concludes this chapter.

Table 7B. 1. Chemical Bulk Storage Facilities in the Seneca Lake Watershed: Seneca County.

Seneca County	
Site Name	Willard Psychiatric Center
Sub-Watershed	Simpson Creek
Municipality	Ovid
Address	Route 96A
Site Type	Other
Site Status	Active
Number of Tanks	1
Tank Location	Aboveground on Rack
Tank Type	Plastic
Total Capacity (gallons)	1025
Chemicals	Aluminum Sulfate
Secondary Containment	None
Leak Detection	None
Spill/Overfill Protection	None
Permit Expiration Date	6/8/97

Table 7B.2. Chemical Bulk Storage Facilities in the Seneca Lake Watershed. in Schuyler County

Schuyler County					
Site Name	Nyclor, Inc.	Watkins Glen Wastewater	Watkins Glen State Park	U.S. Salt Corporation	NYSEG Compressor Station
Sub-Watershed	Catharine Creek	Catharine Creek	Catharine Creek	Reading	Reading
Municipality	Dix	Dix/Village of Watkins Glen	Dix/NYS Dept. of Parks & Rec.	Reading	Reading
Address	Station Rd. (Rt. 409)	North Porter Street @ Lakefront	Rt 419 Entrance, Pool Complex, Filter Room	Salt Point Road	3768 State Route 14
Site Type	Chemical Distributor	Utility/Municipality	Other	Other	Utility
Site Status	Active	Tank Converted to Non Regulated Use	Active	Active	Active
Number of Tanks	1	1	1	2	1
Tank Location	Aboveground on rack	Aboveground on rack	Aboveground	Aboveground	Above ground on rack
Tank Type	Plastic	Steel/Carbon Steel	Plastic	Steel/Carbon Steel, Plastic	Steel/Carbon Steel
Total Capacity (gallons)	5000	420	500	13000	3000
Chemicals	Sodium Hypochlorite	Ferric Chloride	Sodium Hypochlorite	Sodium Hydroxide Sodium Hypochlorite	Methanol
Secondary Containment	None	None	None	None	Diking
Leak Detection	Concrete Pad w/Channels	None	None	None	None
Spill/Overflow Protection	Catch Basin	None	None	None	None
Permit Expiration Date	6/20/99	7/20/99	6/28/97	12/17/99	9/6/98

Table 7B. 3. Chemical Bulk Storage Facilities in the Seneca Lake Watershed in Ontario County

Ontario County						
Site Name	Display Technologies	Zotos International Inc.	Marsh Creek Wastewater Treatment Plant	Holtra Chem, Inc.	Ronald Hinson Enterprises, Inc.	Tri-Blend, Inc.
Sub-Watershed	Geneva	Geneva	Geneva	Geneva	Geneva	Geneva
Municipality	Geneva	Geneva	Geneva	Geneva	Geneva	Geneva
Address	23 Leigh Street	Forge Avenue	Doran Avenue	61 Gates Avenue	4775 Route 14A	4685 County Road #5
Site Type	Other	Manufacturing	Municipality	Manufacturing	Manufacturing	chemical Distributor Other
Site Status	Closed-Removed	Active	Active	Closed-Removed	Closed-In place	Active
Number of Tanks	1	4	3	11	2	2
Tank Location	Aboveground	Aboveground; 2 on rack	Aboveground	Aboveground	Aboveground	Aboveground
Tank Type	Fiberglass Reinforced Plastic (FRB)	2 Stainless Steel Alloy; 2 Other	Fiberglass Reinforced Plastic (FRB)	Plastic, Stainless Steel Alloy, Steel/Carbon Steel, (FRB)	Steel/Carbon Steel	Steel/Carbon Steel
Total Capacity (gallons)	3000	23000	9000	38335	35000	48000
Chemicals	Cupric Chloride	Ammonia Hydrogen Peroxide	Ferric Chloride, Ferrous Sulfate, Aluminum Sulfate	Sodium Hydroxide, Phosphoric Acid, Nitric Acid, Sodium Hypochlorite, Sodium Phosphae, tribasic	Methanol	Ammonia
Secondary Containment	None	Diking	None	None or Diking	Diking	None
Leak Detection	None	None	None	None	None	None
Spill/Overfill Protection	None	Product Level Gauge	High Level Alarm	None or Catch Basin	Product Level Gauge	Product Level Gauge
Permit Expiration Date	2/17/93	3/10/99	5/5/99	1/28/99	12/27/97	3/20/99

Table 7B. 4. Chemical Bulk Storage Facilities in the Seneca Lake Watershed in Yates County

Yates County				
Site Name	NYSEG	Greenridge Station	Penn Yan Marine	Penn Yan Wastewater Treatment Plant
Sub-Watershed	Keuka Lake Outlet	Keuka Lake Outlet	Keuka Lake Outlet	Keuka Lake Outlet
Municipality	Torrey	Torrey	Torrey	Milo
Address	Route 14, Box 187	Route 14, Box 187	Waddell Ave.	125 Sherman Street
Site Type	Utility	Utility	Manufacturing	Utility
Site Status	Active	Active	Converted to Nonregulated Use	Active
Number of Tanks	1	2	1	2
Tank Location	Aboveground	Aboveground on rack	Underground	Aboveground
Tank Type	Steel/Carbon Steel	Steel/Carbon Steel	Steel/Carbon Steel	Fiberglass Reinforced Plastic (FRP)
Total Capacity (gallons)	9200	10000 each	5000	8010
Chemicals	Ammonia	Sulfuric Acid, Sodium Hydroxide	2- Propanone	Aluminum Sulfate
Secondary Containment	None	Diking	None	None
Leak Detection	None	None	None	None
Spill/Overfill Protection	Product Level Gauge	High Level Alarm, Catch Basin	Product Level Gauge	None
Permit Expiration Date	7/25/99	7/25/99	7/12/95	2/3/99

Potential Pollution Problems By Sub-Watershed Chemical Bulk Storage Facilities

