CORNING INCORPORATED
CORNING, N.Y.
HAZARDOUS WASTE STORAGE AREA CLOSURE PLAN
PRESSWARE
EPA I.D. NUMBER NYD000824409

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6 NYCRR 373.3 CLOSURE PLAN

REVISED PLAN SEPTEMBER 1984

UPDATED NOVEMBER 1984

UPDATED AUGUST 1990

- -

ENVIRONMENTAL CONTROL COORDINATOR

Karen S. Gross
Corning Incorporated
HP-ME-01-025
Corning, N.Y. 14831
607-974-6399

PLANT REPRESENTATIVE

Jim Trencansky
Corning Incorporated
Pressware Plant
TY-CA-02-1
Corning, N.Y. 14831
607-974-5429

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1.0 GENERAL

The purpose of this document is to establish a plan, in accordance with the provisions of 6 NYCRR sub-part 373-3.7, to fulfill final closure of the one (1) Hazardous Waste Storage Area located at the Pressware facility of Corning Incorporated in Corning, N.Y. This closure plan is intended for the elimination of interim status, and thereafter allowing this facility to be only a generator.

This plan includes only the hazardous waste drum storage room shown in Figure 1.1. This area has not been used to store hazardous waste since 1987.

This plan is designed such that specific information regarding the closure of this area is presented in detail in Section 2. The more generic closure information is presented as part of the basic plan discussed in this section.

The Sear-Brown Group, Inc. of Rochester, N.Y. has been retained by Corning Incorporated to provide the independent professional engineer Closure Certification.

1.1 CLOSURE PERFORMANCE STANDARD

This closure plan is designed to ensure that the hazardous waste drum storage room located at this site will be closed in a manner that eliminates the need for further maintenance.

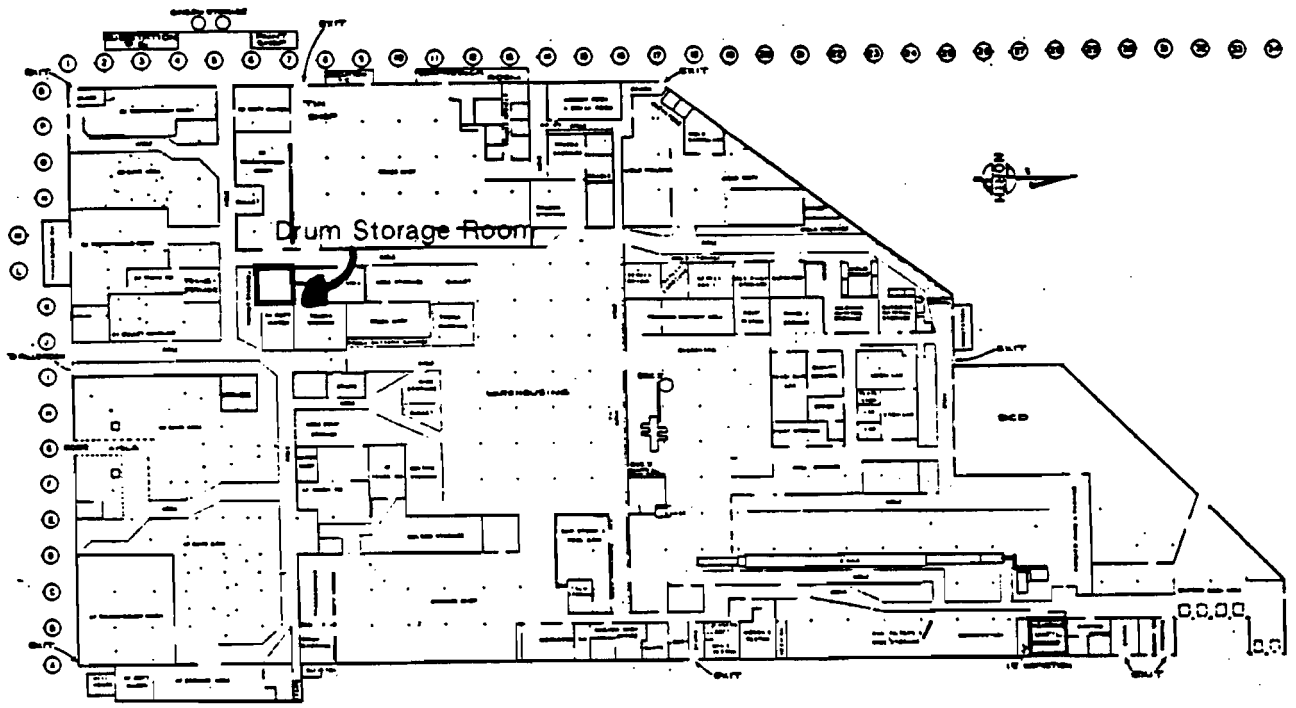
Post closure activies are not required.

Sampling procedures will be consistent with methods outlined in appropriate NYSDEC and EPA documents.

Appropriate cleaning procedures will be implemented for the hazardous waste drum storage room. Following outlined procedures, appropriate samples will be taken to confirm the level of contamination, if any, which may remain in the area.

1.2 FINAL CLOSURE ACTIVITIES

Corning Incorporated expects to perform final closure activities on this Hazardous Waste Storage Area by the end of 1990. The closure schedule is presented in Figure 1.2. Our procedures for final closure of the hazardous waste drum storage room located at this facility, including cleanup and decontamination activities are described in detail in Section 2 of this document.



FIRST FLOOR - PRESSWARE
EXISTING BLOCK LAYOUT
MAY 16, 1989 B. DATES

REDUCTION OF 25820-12L SHEET 1 OF 2

FIGURE 1.1

PRESSWARE PLANT
Town of Corning, Steuben County, New York

LOCATION OF HAZARDOUS WASTE DRUM STORAGE ROOM

not to scale

THE
SEAR-BROWN
GROUP
FULL-SERVICE
DESIGN PROFESSIONALS

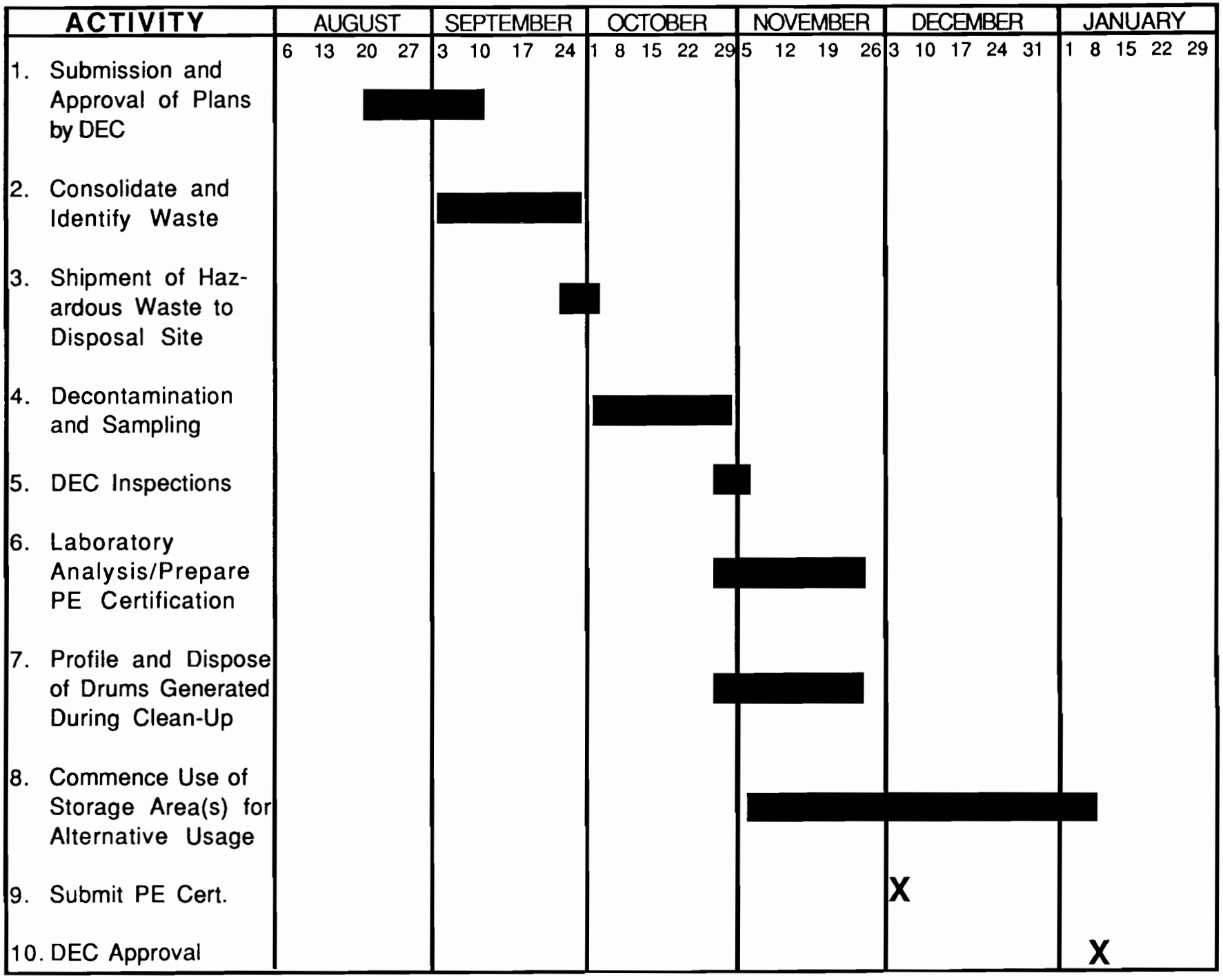
85 METRO PARK
ROCHESTER NEW YORK
14623

716-475-1440
FAX: 716-272-1814

CORNING INCORPORATED

Figure 1.2 CLOSURE SCHEDULE

The Sear-Brown Group



1.3 SAFETY AND HYGIENE

The successful bidding Contractor will assure that workers who are engaged in activities associated with the closure of the hazardous waste drum storage room on this site are provided with proper safety clothing and devices, training, hygiene facilities and work environment so as to minimize their exposure to the hazards associated with the work.

1.4 WORK AREA PREPARATION

The successful bidding Contractor will insure that:

- Prior to any activity in the planned work area, proper signs will be displayed at all entrances or routes of access to the work area.

- The work area shall be isolated for the duration of the cleanup by the placement of appropriate fencing, signs, tape or locks.

- No one will be allowed inside the work area without proper protective clothing and, if conditions warrant, a respirator.

1.5 FINAL CLEANUP OF THE WORK AREA

The entire hazardous waste drum storage room shall be properly cleaned (eg. Wet wiped, steam cleaned, etc.). Equipment, machinery, scaffolding, tools, etc. within the isolated work area shall not be removed without first being cleaned.

Cleaning is to be continued until sample analysis indicates that the area is below acceptable levels. If test results exceed the action level, clean up and testing shall be repeated until test results are below acceptable levels.

Usage of the Hazardous Waste Storage Area as a machine shop will commence immediately after a favorable inspection of the area by a NYSDEC representative. The inspection is expected to precede the receipt of laboratory results.

The room has been used as a machine shop since 1987 when its use as a hazardous waste storage area was discontinued. Since the machine shop equipment will be removed from the room for the closure, it would place a hardship on the facility to keep the machine shop closed any longer than necessary.

1.6 DISPOSAL OF HAZARDOUS WASTE/MATERIAL

All waste generated within the isolated work area including drums, plastic sheeting, tape, cleaning materials, protective clothing, brushes, pails, brooms, and all other disposable material or items used on the work area shall be packed, sealed and disposed of according to proper procedures.

Collected items are to be placed in an appropriate container and sealed. Waste containers are to be properly labeled and properly handled at satellite accumulation areas until shipment to a hazardous waste disposal site. Hazardous waste disposal accumulation time will be less than 90 days.

Wastewater generated during the cleaning will be stored in drums and tested to determine if the wastewater is hazardous. If the wastewater is hazardous, it will be transported off-site to an appropriate TSDF. If the wastewater is nonhazardous, it will be disposed of as industrial wastewater.

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2.0 HAZARDOUS WASTE DRUM STORAGE ROOM

2.1 GENERAL

This portion of the closure plan covers only that waste area associated with the previous storage of hazardous waste in containers in the hazardous waste storage room at Pressware. It does not effect other waste generating operations covered by EPA I.D. Number NYD000824409.

Corning Incorporated expects to begin implementation of this section of the closure plan in September 1990.

This section identifies the steps that are required to close this hazardous waste drum storage room. A post closure plan is not required since all wastes were removed approximately three years prior to closure.

Corning will submit, to the NYSDEC, certification that the hazardous waste storage area has been closed in accordance with the approved plan. This certification will be signed by an independent professional engineer registered in N.Y.

The hazardous waste storage room is located in the basement of the Pressware Plant. There is no outside access from this location. The room is presently surrounded by concrete floors and cinder block walls on three sides. The fourth side of the room is open.

The integrity of the concrete floor of the hazardous waste drum storage room has not been reduced by cracks or holes. The entrance to the room is contained in one of the walls. A second wall, contains an opening to the adjacent water softener room.

During the time this room was used as an active hazardous waste storage area, the area was fenced in on three sides. The fourth side was a painted concrete block wall. This wall separates the storage room from the adjacent water softener room.

When the room was used for hazardous waste drum storage, there was a containment dike around the room. That dike has since been removed. There are no floor drains in the room.

The maximum inventory of waste at any given time during the operating life of this area was (35) 55-gallon drums, in addition to other smaller miscellaneous containers. The waste was never stored any higher than two drums. There is no history of spills in the area.

The hazardous waste drum storage room is no longer in use. No hazardous wastes have been stored there since 1987.

The hazardous wastes that were previously stored in the drum storage room are listed in Table 2.1.

A listing of the transporters and TSDFs previously used to transport and dispose accumulated wastes are listed in Table 2.2.

TABLE 2.1

HAZARDOUS WASTES STORED IN DRUM STORAGE ROOM

PRESSWARE PLANT

Proper Shipping Name	UN/NA #	EPA #	Description	Hazard Class
Waste 1,1,1 Trichloroethane	UN2831	F001	Spent trichloroethane used in degreasing	ORM-A
Waste Chromic Acid Solution	UN1755	D007	Waste mold coating solution	Corrosive
Hazardous Waste Solid N.O.S.	NA9189	D007	Used filters from chromic acid hood	ORM-E
Hazardous Waste Liquid N.O.S.	NA9189	D006 D007 D008	Waste decorating enamels	ORM-E
Waste Flammable Liquid Corrosive N.O.S.	UN2924	D001 D002	Analytical lab extraction waste	Flammable
Waste Solvents N.O.S.	UN1993	D001	Mineral spirits used in cleaning decorating equipment.	Flammable
Waste Flammable Liquid N.O.S.	UN1993	D001	Methanol used in spray banding areas for thinning, cleaning	Flammable
Waste Nickel Nitrate Solution	UN2725	D001 D002	Nickel nitrate solution to color dinnerware	Oxidizer
Waste Hydrochloric Acid	UN1789	D002	Use to clean and remove scale from water pipes	Corrosive
Hazardous Waste Solid N.O.S.	NA9189	D006 D007 D008	Filters used to trap enamels in wastewater system	ORM-E
Waste Ferric Chloride Solution	UN2582	D002	Etchant used to prepare decorating plates	Corrosive
Hazardous Waste Solid N.O.S. Polychlorinated Biphenyls Article	NA9188	B005	Capacitors	ORM-E

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TABLE 2.2

HAZARDOUS WASTE TRANSPORTERS AND TSDFs
PRESSWARE PLANT

Transporters:	EPA I.D. #
Buffalo Fuel Corp.	NYD051809952
Hazmat Environmental Group, Inc.	NYD980769947
Environmental Oil Products and Services	NYD980761191
Solvents and Petroleum Services, Inc.	NYD013277454
CECOS International, Inc.	NYD080336241

TSDFs:	
Solvents and Petroleum Services, Inc. 1405 Brewerton Road Syracuse, N.Y. 13208	NYD013277454
CECOS International, Inc. 56th Street & Pine Ave. Niagara Falls, N.Y. 14304	NYD080336241
ENSCO, Inc. 47 East Smith Ave El Dorado, AR 71730	ARD000404PCB

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2.2 CLEANUP

The cleanup work will be performed using either a qualified outside environmental contractor, or properly trained Corning personnel, under the supervision of the independent engineer.

The hazardous waste drum storage room will be cleaned to a height of two drums by one or more of the following methods: steam cleaning, high pressure water cleaning, or hand scrubbing. All water/residue generated during cleaning will be collected in approved containers. Representative samples will then be collected and analyzed.

If laboratory analysis indicates that the wastewater is hazardous, it will be properly packaged, labeled and shipped to an approved disposal site. If the wastewater is nonhazardous, it will be disposed of as industrial wastewater.

All other waste generated within the isolated work area including drums, plastic sheeting, tape cleaning materials, protective clothing, brushes, pails, brooms, and all other disposable material or items used in the work area shall be packed, sealed and disposed of according to proper procedures.

Collected items are to be placed in an appropriate container and sealed. Waste containers are to be properly labeled and properly handled in accumulation hazardous waste storage areas until shipment to a hazardous waste disposal site. This accumulation time will be less than 90 days.

Following the initial clean-up, the testing described in Section 2.3 will be implemented. Should the testing results indicate that the minimum standards discussed in Section 2.3 are not met, then further decontamination, as necessary, will be undertaken and the appropriate testing will be repeated. This procedure will continue until the standards discussed in Section 2.3 are met.

2.3 TESTING

Following decontamination, the walls and floor will be rinsed with de-ionized water. The collected rinse water will be analyzed using the methods listed in Table 2.3. The action levels used to evaluate the cleanup of the storage room presented in Table 2.3 were taken from the hazardous waste standards in 40 CFR 261. If a hazardous waste standard was not listed in 40 CFR 261, then the action level listed was taken from either the PCB cleanup standard in 40 CFR 761 or the land ban standards in 40 CFR 268, as appropriate. The quantity of water used in the rinse will not significantly exceed that amount required to conduct the analysis in Table 2.3 on one sample.

Following the initial decontamination of the walls and floor, the collected decontamination water will be tested to determine if it is hazardous. The sample will be analyzed by the methods listed in Table 2.3. The action levels utilized for determining the proper disposal of the decontamination water are also listed in Table 2.3.

Since the concrete floor and cinderblock walls of the hazardous waste store room are sound, and do not exhibit any cracks, holes or stains, it is not proposed to sample the walls, floor or below the floor.

TABLE 2.3

ANALYTICAL METHODS
PRESSWARE PLANT
HAZARDOUS WASTE DRUM STORAGE ROOM

Analysis/Analyte	Method	Action Level
1,1,1-Trichloroethane	TCLP	1.05 ppm
Cadmium	TCLP	1.0 ppm
Chromium	TCLP	5.0 ppm
Lead	TCLP	5.0 ppm
Ignitability	EPA-SW 1010	flash point <60°C
Corrosivity	EPA-SW 1110	pH <2 or pH ≥12.5
PCBs	EPA-SW 8080	10.0 ppm

2.4 SOIL SAMPLES

The hazardous waste drum storage room is located in the basement of the Pressware Plant. The room is surrounded by concrete walls and concrete floors. There is no outside access from this location. No soil samples will be collected surrounding this area.