



**Consulting Engineers**  
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December 28, 1988

Division of Solid and Hazardous Waste  
New York State Department of Environmental Conservation  
50 Wolf Road, Room 204  
Albany, N. Y. 12233-4010

Attn: James S. Moran, P.E.  
Chief, Facility Closure Section

Re: Corning Glass Works  
EPS I.D. Number NYD004971503  
Closure Certification  
Galson & Galson Project 88-060

Gentlemen:

At the request of Corning Glass Works, please find enclosed three (3) copies of the Closure Plan Certification Report for your review and comments. This report is based on the Corning Glass Works NYSDEC 6 NYCRR 373.3 Closure Plan issued in May, 1988.

A review of all procedures and documentation, as well as site visits and inspections on August 4, 31, September 1 and 21, was made to demonstrate that the Closure Plan was being followed in accordance with the approved plan of May, 1988. The work did generally follow the Closure Plan and in some cases exceeded the requirements. The final results from the laboratory analysis produced the following results:

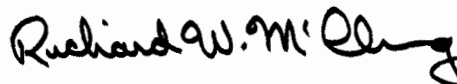
1. Hazardous Waste Hopper Storage Area - all soils tested before and after excavation of the surface level were non-toxic as defined by EP toxicity limits.
2. Hazardous Chemical Storage Area - all concrete samples tested were non-toxic. However, two drums of wash water, including the final wash, tested in excess of EP toxicity limits for cadmium and lead.
3. Hazardous Liquid Storage Tank - all tank, pipe and sludge samples were non-toxic as defined by EP toxicity limits.

All materials which were either known, or found to be toxic by laboratory analysis were disposed of as hazardous materials.

I trust that this report will provide sufficient information for your review. If you have any questions, or require any other information, please do not hesitate to give me a call.

Very truly yours,

GALSON & GALSON

A handwritten signature in dark ink, appearing to read "Richard W. McClung". The signature is fluid and cursive, with a long, sweeping tail on the final letter.

Richard W. McClung, P.E.  
Project Manager

RWM:rb

xc: Dix Rollins - DEC, Avon (1 copy)  
J. Dubendorfer - Corning (3 copies)  
W. Jones - Corning (1 copy)



CLOSURE PLAN  
CERTIFICATION  
REPORT

CORNING GLASS WORKS  
MAIN PLANT  
CORNING, NEW YORK

EPA I.D. NUMBER NYD004971503

RECEIVED  
DEC 29 1988  
Bureau of  
Hazardous Waste Response Development  
Hazardous Waste Response Division  
Hazardous Substances Regulation

CLOSURE PLAN CERTIFICATION REPORT

MAIN PLANT CLOSURE PLAN

EPA PERMIT NUMBER NYD004971503

HAZARDOUS WASTE HOPPER STORAGE AREA  
HAZARDOUS CHEMICAL STORAGE AREA  
HAZARDOUS LIQUID STORAGE TANK

CORNING GLASS WORKS  
CORNING, NEW YORK



PREPARED BY: GALSON & GALSON, P.C.  
CONSULTING ENGINEERS  
6601 KIRKVILLE ROAD  
EAST SYRACUSE, NY 13057

DATE ISSUED: DECEMBER 28, 1988

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APPENDIX A - LABORATORY ANALYSIS REPORTS

APPENDIX B - CORRESPONDENCE, RECORDS

## 1. STUDY PERSONNEL

### GALSON & GALSON, P.C.

Richard W. McClung, P.E. . . . .	Project Manager
Rose Miller . . . . .	Drafter
JoAnn Guhin . . . . .	Word Processor Operator

### GALSON TECHNICAL SERVICES

Kevin Kyhos . . . . .	Environmental Consultant
Jim Sorel . . . . .	Certified Industrial Hygienist
Tom Biel . . . . .	Environmental Scientist
Joe Unangst . . . . .	Laboratory Director
Alix Coventry . . . . .	Group Leader - Metals Group
Dave Schumm . . . . .	Laboratory Technician

### ASSOCIATED PERSONNEL

The following personnel at Corning Glass Works made a valuable contribution in providing information and assisting in the completion of this project:

Sam Shah . . . . .	Senior Project Manager
Walt Jones . . . . .	Project Coordinator
Blake Manual, P.E. . . . .	Environmental Engineer

## 2. EXECUTIVE SUMMARY

Corning Glass Works developed a closure plan for four hazardous waste management units located at the main plant facility in Corning, New York. These facilities are being demolished to provide land for the construction of new buildings and facilities for Corning headquarters. The closure plan was required to terminate the use of the facilities based on an existing NYSDEC interim status permit. One of the four units was previously closed in 1985. This project deals with the closure of the remaining three units as follows:

- Hazardous Waste Hopper Storage Area
- Hazardous Chemical Storage Area
- Hazardous Liquid Storage Tank

The project for each area consisted of the removal of any remaining stored materials, and cleaning and testing of the building structure and/or soils in the immediate area. Two drums of wash water in the Hazardous Chemical Storage Area, contained levels of Lead and Cadmium exceeding EP toxicity levels. However, based on the test results, the structures and soils tested were found to be non-toxic. All materials exceeding EP toxicity levels were disposed of as hazardous waste at appropriate facilities.

The work followed the closure plan in very close detail with few exceptions. These are highlighted in Section 6 of this report.

Galson & Galson was hired to do an independent engineering Certification of the Closure work for the project. The purpose of this report is to review the work that took place, report on the testing and laboratory analysis, and to highlight any deviations from the Closure Plan.

### 3. INTRODUCTION

Corning Glass Works has developed a closure plan for three (3) hazardous waste management units located at the main plant facility in Corning, New York. These units are as follows:

- Hazardous Waste Hopper Storage Area
- Hazardous Chemical Storage Area
- Hazardous Liquid Storage Tank

All areas are located on the following main plant map, Figure 3-1.

The closure plan was developed in accordance with the provisions of 6 NYCRR sub-part 373-3.7, and was formally accepted by the New York State Department of Environmental Conservation on July 8, 1988. The closure plan was necessitated based on a need to demolish many of the facilities at the main plant to provide land for the construction of new buildings and facilities for the Corning headquarters. The closure plan was developed under EPA ID #NYD004971503 with the final revision dated November 4, 1987. Subsequent discussions with the NYSDEC Division of Solid and Hazardous Waste resulted in a number of revisions which were presented to NYSDEC in a letter dated February 15, 1988. The final closure plan was issued in May, 1988.

A fourth hazardous waste management unit was included in the closure report - Chrome Treatment Area. This area had previously been closed and certified before the above described work commenced. The Certificate of Closure was provided by Hunt Engineers P.C. on September 26, 1985 and by Corning Glass on December 3, 1985. NYSDEC confirmed receipt of the Certificate of Closure on November 27, 1985. This area was not part of the scope of work on the certification included in this study.

Galson & Galson was hired by Corning Glass Works to do an independent Engineering Certification of Closure for this project. The purpose of this report is to review the work required, the work that was completed, and the results of the sampling analysis involved in the closure process.



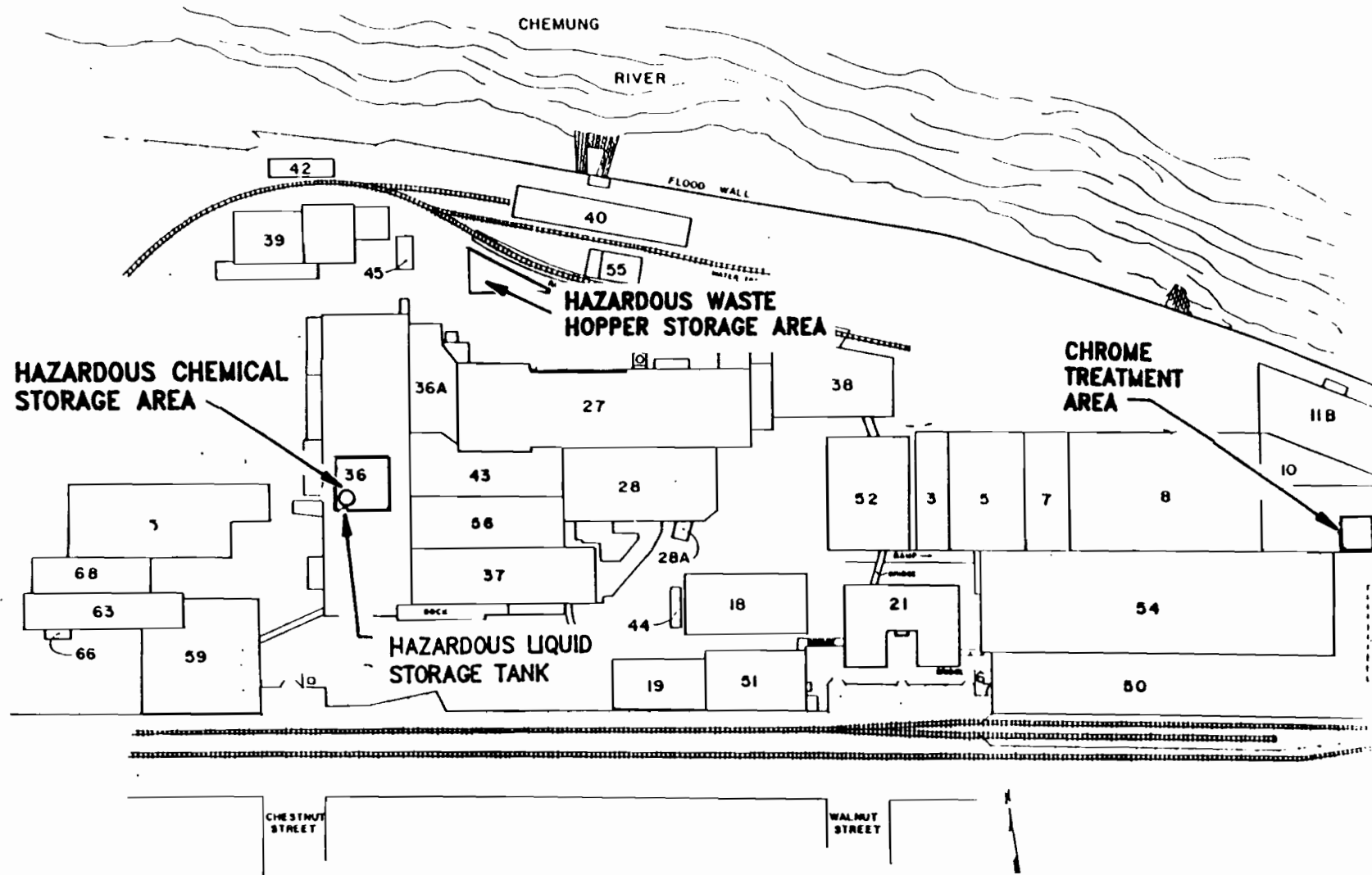


FIGURE 3-1

LOCATION OF HAZARDOUS WASTE MANAGEMENT UNITS

#### 4. CONCLUSIONS

The following conclusions were made as a result of this investigation:

1. The construction procedures and work performed generally conformed to the requirements specified and described in the Closure Plan (with the exception of Item 2 below) generated by Corning Glass Works under EPA Permit Number NYD004971503 dated May, 1988.
2. In the Hazardous Chemical Storage Area, two drums of wash water (including the final wash) tested high (above EP toxicity levels) for lead and cadmium. It is believed that the lead may come from glass frit stored in the room, and the cadmium came from the dust which was found in the exhaust hood and ductwork above the floor trench.
3. All structures (concrete core samples) tested were found to be within EP toxicity limits.
4. The soils in the Hazardous Waste Hopper Storage Area were found to be below EP toxicity levels after removal of the top layer of soil.
5. No toxic materials were found in the Hazardous Liquid Storage Tank and in the associated piping.

## 5. SUMMARY OF CLOSURE PROCEDURES

### 5.1 General

The following is a brief summary of the Corning Glass Works NYSDEC 6 NYCRR 373.3 Closure Plan submitted under EPA I.D. Number NYD004971503 dated November 4, 1987 with a final revision dated May, 1988. The following general procedures are required for each of the hazardous waste management units described below:

1. Area to be restricted access with posting of warning signs prior to any activity.
2. No one will be allowed inside the work area without protective clothing and respirator.
3. Remove any stored materials from the area, and test for EP toxicity.
4. Entire area to be cleaned by wet wiping, steam or water cleaning.
5. Walls and floors to be sampled to determine if any accumulation or residual build up of hazardous wastes has occurred. Any storage tanks or containers will also have wall sections sampled.
6. All areas to remain sealed until laboratory results indicate that the area is clean.
7. All waste generated from the areas are to be placed in appropriate containers, labeled, and stored until shipment to a hazardous waste disposal site can be arranged. Storage time shall not exceed 90 days.
8. Air sampling will be completed following the cleanup of each unit.

## 5.2 Hazardous Waste Hopper Storage Area

This is an outdoor area located near the cullet storage hoppers as shown on Figure 3-1 earlier in this report. A waste hopper was stored in this area, and hazardous waste was transported to and placed in the hopper for subsequent transportation off site. Three soil borings were taken in this area during the preparation of the Closure Plan, and all tests indicated that the soil was within EP toxicity limits. A sketch of this area showing the sample locations follows in Figure 7-1. However, since hazardous waste was transferred to the hopper in this area for storage, it was recommended that additional action be taken as follows:

1. 4-6" of soil be removed and disposed of as hazardous waste.
2. After excavation, three samples be taken from selected 1 foot square areas up to 6" deep, and analyzed for EP toxicity.
3. If any sample results exceed EP toxicity limits, an additional 6" of soil be removed.
4. Repeat this sequence until testing indicates that all soil exceeding EP toxicity levels has been removed.

## 5.3 Hazardous Chemical Storage Area

The Hazardous Chemical Storage Area is a room approximately 55' long by 45' wide with a liquid storage tank in the southwest corner (a separate hazardous waste management unit - which will be discussed in the next section), a set of storage shelves, and several hazardous filter hoppers. A sketch of this room is provided in Figure 7-2 in a subsequent section of this report. This room was used to store liquid waste in containers and to mix chemicals, and is located in the Main Plant as shown in Figure 3.1. Closure of this facility will proceed as follows:

1. All remaining residue wastes will be removed to an approved disposal site prior to closure.
2. Clean sludge from unused floor trench.
3. Clear all dust and refuse from the storage area.
4. Clean entire area (ceiling, walls, shelves and floor) with a high pressure water or steam cleaning unit/HEPA vacuum.
5. Take concrete wall and floor samples (four wall and four floor) and test for EP toxicity.
6. Store all wash water in DOT 17 series drums, and store for proper labeling and disposal.

#### 5.4 Hazardous Liquid Storage Tank

The liquid storage tank is located in the southwest corner of the chemical storage area mentioned above. This tank is located in the corner above a floor of acid-resistant brick and surrounded by a containment curb. Closure of this hazardous waste management unit shall proceed as follows:

1. Remove residual liquid and sludge from chemical storage tank. Test for EP toxicity.
2. Wet wash tank, drain piping, and acid-resistant brick. Store wash water in approved drums.
3. Sample a section of the storage tank sidewall and the FRP drainage pipe, and analyze for EP toxicity.
4. If tank, brick flooring, or drain piping indicate that the materials are hazardous, dispose of at an approved landfill.

## 6. CONFORMANCE TO CLOSURE PROCEDURES

The closure plan previously described, was generally followed in detail. The following deviations from the closure plan were encountered:

### 6.1 Hazardous Waste Hopper Storage Area

1. Soil was removed to an average depth of 12"-15" before the test samples were taken. All soil removed was disposed of as hazardous waste.

### 6.2 Hazardous Chemical Storage Area

1. There were no stored chemicals encountered.
2. The room and equipment was water washed/HEPA vacuumed with 190°F water at 2000 psig. This included all ceiling structures, piping, conduit, etc.
3. The exhaust hood above the chemical preparation area was removed, crushed, and placed in storage drums. Dust from the inside surfaces was collected and tested.
4. Hazardous filter hoppers were washed and a floor sample taken of the most stained unit.
5. Concrete core samples were taken before the wet wash was completed.
6. Although final wash water exhibited high levels (exceeding EP toxicity levels) of lead and cadmium no further washing or analysis was performed.

### 6.3 Hazardous Liquid Storage Tank

1. Samples were taken of the tank floor and drain pipe base to determine the effect, if any, of sludge on the FRP materials.

## 7. SAMPLING PROCEDURES AND RESULTS

Sampling was performed for each of the hazardous waste management units as required in the closure plan. Sampling protocol was in accordance with the August 17, 1988, letter which is exhibited in Appendix B. The following sampling and results were obtained for each of the hazardous waste management units.

### 7.1 Hazardous Waste Hopper Storage Area

Three additional soil samples were taken at a depth of 12-18" after excavation was completed. Each sample was gathered from an area of approximately one square foot to a depth of 6". These samples were located in the general vicinity of the previous samples, with the intent being to sample within approximately 3' of the original sample, but not in the same location. The one exception to this was Sample "C" which was taken through a concrete pad. The second sample, Sample "E", was taken outside the pad in the excavated area as shown on Figure 7-1. All sample locations were selected around the perimeter of the outline where the waste hopper was located.

A summary of the samples taken in this area is provided in Table 7-1.

The sampling results confirm the original results showing that no EP toxicity limits were exceeded.

## 7.2 Hazardous Chemical Storage Area

Sampling locations are shown on Figure 7-2 for this area. The results of the testing are summarized in Table 7-2.

Prior to cleaning of the room, samples of dust were taken in three areas, and sludge from the drain trench and the storm pit. All results were non-toxic with the exception of the drain trench, which exhibited levels of chromium exceeding the EP toxicity limits.

An exhaust hood was located over the chemical prep area, (in the vicinity of the floor trenches) and the dust was sampled from this hood and demonstrated high levels of cadmium. The exhaust hood and associated ductwork were removed, crushed, and placed in 55 gallon drums for storage and disposal as hazardous waste.

After the ceiling, walls and floor were washed, each of the water storage drums was sampled. The drums were separated into three groups; wall/ceiling, wall/floor and final wash. Composite samples were made from each group (by mixing portions of each drum sample in the laboratory) for testing for EP toxicity. The wall/ceiling composite, exceeded 25% of the EP toxicity limit, and therefore triggered individual analysis for each of the drums in that group. One drum in this group (when tested individually) showed high levels of lead, which exceeded the toxicity limit. All other drums in this group were well within the limits. The final wash drum exceeded the limit for cadmium and lead. See the final paragraph of this section for additional comments of these two samples.

After washing was completed, four concrete floor samples were taken for analysis. These were taken in a variety of locations through the room based on discoloration and concrete cracks as shown in Figure 7-2. Sample 025 was taken near the floor trench as a room low point, and due to the yellowish discoloration of the floor. Samples 026 and 028 were taken in areas of concrete cracks, and 027 was taken in an area with both cracks and black discoloration. All samples were found to be non-toxic.



Four wall samples were taken by cutting a core from the concrete block wall. These core samples were taken at joints to include a sampling of mortar. Samples were taken approximately 27" from the floor level. There was no discoloration or cracking of the walls which could be used as an appropriate sampling location. Sample 031 was taken in the chemical preparation area in case spillage or splatter on the wall had occurred. Again, all samples were below the EP toxicity limits.

There were several filter hoppers stored in this area. Each hopper was washed and the liquid added to the washdown water for the room. A section of hopper floor was removed from the most severely stained hopper for laboratory analysis. This material (Sample 036) proved to be non-toxic.

The miscellaneous trash stored in drums 008 and 009 was removed from the shelves along the south wall and from a table in the NW corner of the room. All materials were washed and the liquid placed in the drums with the other washdown water for the room. There was no record of which drum this liquid was placed in. Sample 010 was not taken as this drum consisted of 35 pound containers of high lead glass frit used in the past to manufacture dental reflectors. This material was placed in a 55 gallon drum for disposal as a hazardous waste.

It must be noted that two drums of the wash water tested in excess of the EP toxicity limits. Sample 040 (ceiling/wall wash water) tested high in lead - 16 mg/l versus the limit of 5.0 mg/l. Sample 048, the final wash of the floor, tested high in cadmium and lead - 1.3 mg/l cadmium versus the limit of 1.0 mg/l, and 70 mg/l lead versus the limit of 5.0 mg/l. The final wash drum was empty when the final wash started. The washing liquid came mainly from the floor of the room, the floor area under the hazardous liquid storage tank, and the floor trench and drain pit at the end of the trench. It is postulated that the cadmium source is the dust which was found (and tested high in cadmium) in the exhaust hood and duct. This hood was in the vicinity of the floor trench and pit. The lead source is more difficult to assess. Potential sources are the high lead glass frit, the sludge in the trench (measured at 3.7 mg/l lead, and the dust in the exhaust hood and duct (measured at 1.1 mg/l lead). The EP toxicity limit for lead is 5.0 mg/l.

### 7.3 Hazardous Liquid Storage Tank

Sample locations for this area are shown in Figure 7-2, and the results are shown in Table 7-2. Samples were taken of the materials (liquid and sludge) remaining in the tank, a section of the tank floor and the drain pipe wall, and two samples of the acid-resistant brick on the floor of this area. Samples were also taken of the wash water from this area.

Samples 014, 015, 016, 017, 018, 019, and 020 were all from drums of liquid drained from the tank. Since the liquid came from the same source, four of the seven drums were sampled as typical. A sample of the sludge remaining in the bottom of the tank (Sample 012) was found to be non-toxic as were all the liquid samples. Sample 023 was sludge trapped in the storage tank drain pipe, and it also proved to be non-toxic.

The sections of storage tank floor and of the tank drain pipe were cut from each element, were analyzed and were found to be non-toxic. Two portions of acid resistant brick were chipped from the floor of the tank containment area. These were also found to be non-toxic.

### 7.4 Final Air Sampling

Final air sampling was performed in the Hazardous Chemical Storage Area/Hazardous Liquid Storage Tank room after all work and cleaning was completed. The locations of these samples are shown on Figure 7-2. Samples were obtained using portable sampling pumps at three (3) locations in the room and each filter was analysed using NIOSH Method 173 techniques. Since chromium, cadmium and lead were the only materials found in any of the analysis, each filter was analysed for these three (3) metals. The results of this analysis are as follows:

<u>Material</u>	<u>Highest Level Recorded</u>	<u>OSHA Permissible Exposure Limit PEL</u>	<u>ACGIH TLV</u>
Chromium	<0.001 mg/m <sup>3</sup>	1.0 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>
Cadmium	<0.001 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>
Lead	3.0 µg/m <sup>3</sup>	50 µg/m <sup>3</sup> *	--

\* OSHA has an action level of 30 µg/m<sup>3</sup> for lead. Note: 3.0 µg/m<sup>3</sup> is a typical background level.

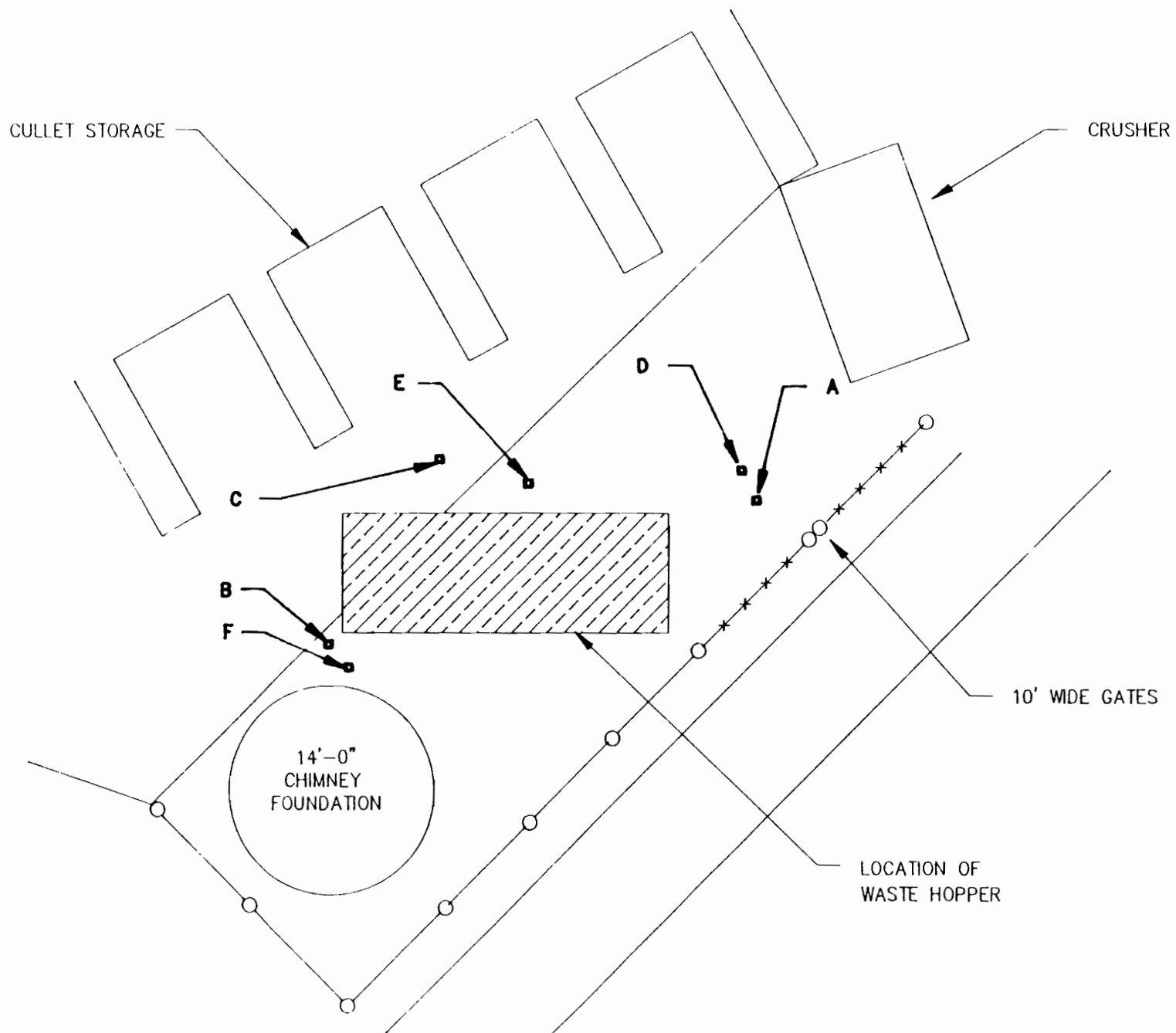


FIGURE 7-1

HAZARDOUS WASTE HOPPER STORAGE AREA

TABLE 7-1

SUMMARY OF EP TOXICITY TESTING  
HAZARDOUS WASTE HOPPER STORAGE AREA

<u>Sample No.</u>	<u>Description</u>	<u>Results</u>
Pre-excavation soil sampling:		
A	Soil	Non-toxic Sample taken 6/2/87 - Boring
B	Soil	Non-toxic Sample taken 6/2/87 - Boring
C	Soil	Non-toxic Sample taken 6/2/87 - Boring
Post-excavation soil sampling:		
D	Soil	Non-toxic Sample taken 9/21/88
E	Soil	Non-toxic Sample taken 9/21/88
F	Soil	Non-toxic Sample taken 9/21/88

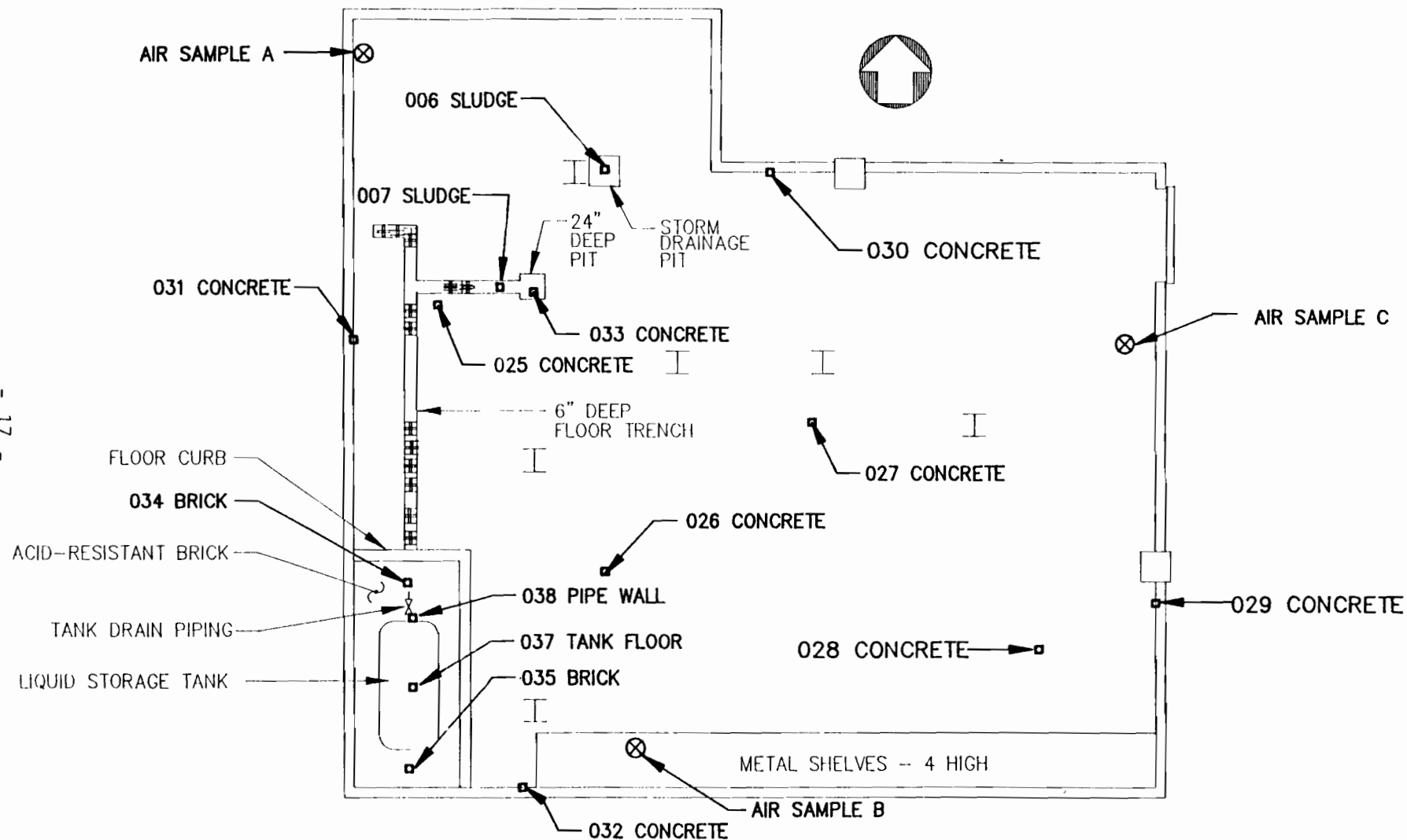


FIGURE 7-2  
HAZARDOUS CHEMICAL STORAGE AREA  
AND LIQUID STORAGE TANK

TABLE 7-2

SUMMARY OF EP TOXICITY TESTING  
HAZARDOUS CHEMICAL STORAGE AREA/HAZARDOUS LIQUID STORAGE TANK

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>	<u>RESULTS</u>	<u>COMMENTS</u>
003	Dust - Floor Sweepings	Non-Toxic	
004	Dust - Rear Room Entrance	Non-Toxic	
005	Dust - Off Shelves	Non-Toxic	
006	Sludge-Storm Pit	Non-Toxic	
007	Sludge- Drain Trench	Toxic	Chromium
011	Water in Storage Tank	Non-Toxic	
012	Sludge-Storage Tank	Non-Toxic	
015	Liquid - from Chemical Storage Tank	Non-Toxic	
016	Liquid - from Chemical Storage Tank	Non-Toxic	
018	Liquid - from Chemical Storage Tank	Non-Toxic	
019	Liquid - from Chemical Storage Tank	Non-Toxic	
023	Sludge - Storage Tank Drain Pipe	Non-Toxic	
024	Dust - Exhaust Hood	Toxic	Cadmium
025	Floor Core - Trench	Non-Toxic	
026	Floor Core - Tank	Non-Toxic	
027	Floor Core - Beam	Non-Toxic	
028	Floor Core - SE Corner	Non-Toxic	
029	Wall Core - East	Non-Toxic	
030	Wall Core - North	Non-Toxic	
031	Wall Core - West	Non-Toxic	
032	Wall Core - South	Non-Toxic	
033	Wall Core - Trench Drain Pit	Non-Toxic	
034	Acid Brick - North of Tank	Non-Toxic	
035	Acid Brick - South of Tank	Non-Toxic	
036	Portable Hopper - Floor Section	Non-Toxic	
037	Chemical Storage Tank - Floor Section	Non-Toxic	
038	Storage Tank Drain Pipe - Pipe Section	Non-Toxic	
040	Wash Water - Ceiling/Wall	Toxic	Composite A, Separate, Lead*
041	Wash Water - Drain Area	Non-Toxic	Composite A, Separate
042	Wash Water - Tank	Non-Toxic	Composite A, Separate
043	Wash Water - Floor	Non-Toxic	Composite B,
044	Wash Water - Floor/Tank	Non-Toxic	Composite A, Separate
045	Wash Water - Wall/Floor	Non-Toxic	Composite B
046	Wash Water - Wall/Floor	Non-Toxic	Composite B
047	Wash Water - Wall/Floor	Non-Toxic	Composite B
048	Wash Water - Final Wash	Toxic	Cadmium & Lead

\*Note: "Composite" indicates that the drum samples in this group had a portion of the samples mixed to form a single sample. If any element exceeded 25% of the EP toxicity level, this triggered an individual testing of each drum in the group - indicated by "Separate".

TABLE 7-3

SAMPLES NOT USED FOR EP TOXICITY TESTING

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>	<u>COMMENTS ON WHY NOT ANALYZED</u>
001	Allwash Air Sample	Not in scope of report.
002	Allwash Air Sample	Not in scope of report.
008	Miscellaneous Trash	Tools, glass, plastic, paper. (All washed before disposal)
009	Miscellaneous Trash	Table, glass, plastic, paper. (All washed before disposal)
010	High lead glass frit	High in lead - not tested. Disposed of with toxic materials.
013	Allwash Air Sample	Not in scope of report.
014	Liquid - from Chemical Storage Tank	Same liquid as 015, 016, 018, 019.
017	Liquid - from Chemical Storage Tank	Same liquid as 015, 016, 018, 019.
020	Liquid - from Chemical Storage Tank	Same liquid as 015, 016, 018, 019.
021	- -	Number not used.
022	- -	Number not used.
039	- -	Number not used.



## 8. DISPOSAL OF MATERIALS

Disposal of hazardous materials was required for each of the hazardous waste management units as required in the closure plan as follows.

### 8.1 Hazardous Waste Hopper Storage Area

The soil removed from this area was loaded onto two trailers for transport and delivery to Modern Landfills. The materials were transported for disposal by Buffalo Fuel Corporation on September 21, 1988.

### 8.2 Hazardous Chemical Storage Area

All materials which were hazardous per laboratory testing described in the previous section of this report were stored in the area in sealed 55 gallon drums for pick-up on November 1, 1988. Hazmar Environmental was the transporter of the materials to Frontier Chemical Wash Processing, Inc. in Niagara Falls. The documentation and records follow.

### 8.3 Hazardous Liquid Storage Tank

All hazardous materials were disposed of with the materials described in the above Section 8.2.

Please print or type.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE

## HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address CORNING GLASS WORKS MAIN PLANT 15-4, CORNING, NEW YORK 14830		4. Generator's Phone (607) 974 4204		5. Transporter 1 (Company Name) HAZMAT ENVIRONMENTAL		6. US EPA ID Number NYD091807169947		A. State Manifest Document No. NY A 614675 7	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address FRONTIER CHEMICAL WASTE PROCESSING INC 4626 ROYAL AVENUE NIXON FALLS, N.Y. 14303		10. US EPA ID Number NYD09438115703		B. Generator's ID SAME	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. RG HAZARDOUS WASTE LIQUID, NOS, (POUR) ORM-E; NA9189		No. Type		00220 G		G		POUR	
b. RG HAZARDOUS WASTE SOLID, NOS (POUR) ORM-E; NA9189		001 DM 009500 P		0007				0007	
c. RG HAZARDOUS WASTE SOLID, NOS (POUR) ORM-E; NA9189		0012 DM 000700 P		0006				0006	
d. RG HAZARDOUS WASTE SOLID, NOS (POUR) ORM-E; NA9189		0011 DM 000600 P		0008				0008	
J. Add descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above		L. Handling Codes for Wastes Listed Above		M. Handling Codes for Wastes Listed Above		N. Handling Codes for Wastes Listed Above	
a. Water with lead 1.100		b. W/lead 1.400		c. W/lead 1.400		d. W/lead 1.400		e. W/lead 1.400	
b. Chrome Sludge 1.300		c. W/lead 3.500		d. W/lead 3.500		e. W/lead 3.500		f. W/lead 3.500	
15. Special Handling Instructions and Additional Information									
a) 1173-2157 b) 1173-2156 c) 1173-2158 d) 1173-192									
WTS No. 6514, Frontier W.O. No. 26420									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.									
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name		Signature		Mo. Day Year		Mo. Day Year		Mo. Day Year	
Walter L Jones		Walter L Jones		11/17/88					
17. Transporter 1 (Acknowledgement of Receipt of Materials)									
Printed/Typed Name		Signature		Mo. Day Year		Mo. Day Year		Mo. Day Year	
Timothy J O'Hara		Timothy J O'Hara		11/17/88					
18. Transporter 2 (Acknowledgement of Receipt of Materials)									
Printed/Typed Name		Signature		Mo. Day Year		Mo. Day Year		Mo. Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name		Signature		Mo. Day Year		Mo. Day Year		Mo. Day Year	

APPENDIX A

LABORATORY ANALYSIS REPORTS



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88082604

Location: STORAGE AREA 36/1

Date Sampled: 25-AUG-1988

### EP TOXICITY

### METALS

	Lab ID: F27208	F27209	F27210	F27211	F27212	EP
	Client ID: 003-DUST	004-DUST	005-DUST	006-TRENCH	007-TRENCH	TOXICITY
	SPEEDY	ENTRANCE	SHELF	NORTH	NORTH	LIMITS
	DRY		AREA	SLUDGE	SLUDGE	MG/L
	NON	NON	NON	NON		
	TOXIC	TOXIC	TOXIC	TOXIC	TOXIC	
Arsenic-EP LEACHATE	MG/L <2	<2	<2	<2	<2	5.0
Barium-EP LEACHATE	MG/L <1	<1	<1	<1	8.4	100.0
Cadmium-EP LEACHATE	MG/L <0.05	<0.05	0.070	0.096	0.11	1.0
Chromium-EP LEACHATE	MG/L 0.070	<0.05	0.062	<0.05	8.8	5.0
Lead-EP LEACHATE	MG/L <0.5	0.28	<0.5	0.23	3.7	5.0
Mercury-EP LEACHATE	MG/L <0.002	<0.002	<0.002	<0.002	0.009	0.2
Selenium-EP LEACHATE	MG/L <0.05	<0.05	<0.05	<0.05	<0.05	1.0
Silver-EP LEACHATE	MG/L 0.078	<0.1	0.27	<0.05	0.34	5.0

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M<sup>3</sup> - Cubic Meter  
MG/M<sup>3</sup> - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): EPA SW846-3010

Footnotes:

Submitted by: AC,DS

Approved by: *[Signature]*

Date: 27-AUG-1988



**Galson**

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS  
Task Number: 88090102  
Location: NS

Job Number: G4034

Date Sampled: 08/29-30/88

Lab ID: F27723 F27724 F27725 F27726 F27727 F27728 EP TOXICITY  
Client ID: 015 016 018 019 011 012 LIMITS (MG/L)  
WATER WATER WATER WATER TANK TANK  
BEFORE BEFORE BEFORE BEFORE WATER SLUDGE  
WASH WASH WASH WASH BEFORE  
WASH

EP TOXICITY	METALS	MG/L	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC
Arsenic-EP	LEACHATE	MG/L	<1	<1	<1	<1	<1	<1	5.0
Barium-EP	LEACHATE	MG/L	<1	1.1	<1	1.0	1.3	<1	100.0
Cadmium-EP	LEACHATE	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0
Chromium-EP	LEACHATE	MG/L	1.0	1.1	1.2	1.0	1.5	<0.4	5.0
Lead-EP	LEACHATE	MG/L	<0.2	0.30	0.66	0.28	0.68	0.94	5.0
Mercury-EP	LEACHATE	MG/L	<0.005	<0.007	0.004	0.004	<0.004	0.004	0.2
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0
Silver-EP	LEACHATE	MG/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	5.0

Method(s): EPA SW846-3010

Footnotes:

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M3 - Cubic Meter  
MG/M3 - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Submitted by: DS,AC  
Approved by:  
Date: 5-SEP-1988



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Task Number: 88090102

Location: NS

Job Number: G4034

Date Sampled: 08/29-30/88

			Lab ID: F27729	F27730	EP TOXICITY
			Client ID: 023 TANK	024 DUST	LIMITS (MG/L)
			SLUDGE		
EP TOXICITY	METALS	MG/L	NON- TOXIC	TOXIC	
Arsenic-EP	LEACHATE	MG/L	<1	<1	5.0
Barium-EP	LEACHATE	MG/L	<1	2.6	100.0
Cadmium-EP	LEACHATE	MG/L	<0.1	8.8	1.0
Chromium-EP	LEACHATE	MG/L	<0.4	<0.4	5.0
Lead-EP	LEACHATE	MG/L	<0.2	1.1	5.0
Mercury-EP	LEACHATE	MG/L	<0.002	0.005	0.2
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1	1.0
Silver-EP	LEACHATE	MG/L	<0.4	<0.4	5.0

Method(s): EPA SW846-3010

Footnotes:

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified

MG - Milligrams

L - Liters

M3 - Cubic Meter

MG/M3 - Milligrams Per Cubic Meter

PPM - Parts Per Million

UG - Micrograms

NG - Nanograms

Submitted by: DS,AC

Approved by:

Date: 5-SEP-1988



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090201

Location: HAZ-WASTE

Date Sampled: 01-SEP-1988

		Lab ID: F27790	F27791	F27792	F27793	F27794	F27795	EP TOXICITY
		Client ID: 025	026	027	028	029	030	LIMITS (MG/L)
		TRENCH	FLOOR	FLOOR	FLOOR	WALL	WALL	
		FLOOR	CORE	CORE	CORE	CORE	CORE	
			TANK	BEAM	SE	EAST	NORTH	
					CORN.			
EP TOXICITY	METALS	MG/L	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	
Arsenic-EP	LEACHATE	MG/L	<1	<1	<1	<1	<1	5.0
Barium-EP	LEACHATE	MG/L	<1	<1	<1	<1	<1	100.0
Cadmium-EP	LEACHATE	MG/L	0.17	<0.1	<0.1	<0.1	<0.1	1.0
Chromium-EP	LEACHATE	MG/L	<0.4	<0.4	<0.4	<0.4	<0.4	5.0
Lead-EP	LEACHATE	MG/L	0.28	0.20	<0.2	0.26	0.28	5.0
Mercury-EP	LEACHATE	MG/L	0.002	<0.002	<0.002	<0.00	<0.002	0.2
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1	1.0
Silver-EP	LEACHATE	MG/L	1.0	<0.4	<0.4	<0.4	<0.4	5.0

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M3 - Cubic Meter  
MG/M3 - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): EPA SW846-3010

Footnotes:

Submitted by: DS,AC

Approved by:

Date: 5-SEP-1988



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090201

Location: HAZ-WASTE

Date Sampled: 01-SEP-1988

		Lab ID: F27796	F27797	F27798	F27799	F27800	F27801	EP TOXICITY
Client ID: 031		032	033	034	035	036	LIMITS (MG/L)	
		WALL	WALL	TRENCH	BRICK	BRICK	DUST	
		CORE	CORE	DRAIN	NORTH	SOUTH	HOPPER	
		WEST	SOUTH	WALL	END	END	FLOOR	
EP TOXICITY	METALS	MG/L	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	NON-TOXIC	
Arsenic-EP	LEACHATE	MG/L	<1	<1	<1	<1	<1	5.0
Barium-EP	LEACHATE	MG/L	<1	<1	<1	<1	<1	100.0
Cadmium-EP	LEACHATE	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1	1.0
Chromium-EP	LEACHATE	MG/L	<0.4	<0.4	<0.4	<0.4	<0.4	5.0
Lead-EP	LEACHATE	MG/L	<0.4	0.42	<0.2	<0.2	<0.2	5.0
Mercury-EP	LEACHATE	MG/L	<0.002	<0.002	0.007	0.002	<0.002	0.002
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1	1.0
Silver-EP	LEACHATE	MG/L	<0.4	<0.4	<0.4	<0.4	<0.4	5.0

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M3 - Cubic Meter  
MG/M3 - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): EPA SW846-3010

Footnotes:

Submitted by: DS, AC

Approved by:

Date: 5-SEP-1988





# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090201

Location: HAZ-WASTE

Date Sampled: 01-SEP-1988

		Lab ID: F27802	F27803	EP TOXICITY	
		Client ID: 037 CHEM	038 DRAIN	LIMITS (MG/L)	
		TANK FLOOR	PIPE FLOOR		
EP TOXICITY	METALS	MG/L	NON-TOXIC	NON-TOXIC	
Arsenic-EP	LEACHATE	MG/L	<1	<1	5.0
Barium-EP	LEACHATE	MG/L	<1	<1	100.0
Cadmium-EP	LEACHATE	MG/L	<0.1	<0.1	1.0
Chromium-EP	LEACHATE	MG/L	<0.4	<0.4	5.0
Lead-EP	LEACHATE	MG/L	<0.2	<0.2	5.0
Mercury-EP	LEACHATE	MG/L	0.002	0.002	0.2
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1	1.0
Silver-EP	LEACHATE	MG/L	<0.4	<0.4	5.0

Method(s): EPA SW846-3010

Footnotes:

- (<) - Less Than
- (>) - Greater Than
- NA - Not Applicable
- ND - Not detectable
- NS - Not specified
- MG - Milligrams
- L - Liters
- M3 - Cubic Meter
- MG/M3 - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms

Submitted by: DS,AC

Approved by: *[Signature]*

Date: 5-SEP-1988



# Galson

Technical Services, Inc.

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E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090225

Location: HAZARDOUS WASTE STORAGE Date Sampled: 02-SEP-1988

		Lab ID: F27884	F27885	F27886	F27887	F27888	F27889A	EP
		Client ID: COMPOS- ITE A	COMPOS- ITE B	040	041	042	044	TOXICITY
				WASH WATER	WASH WATER DRAIN AREA	WASH WATER TANK	WASH WATER FLOOR TANK	LIMITS MG/L
EP TOXICITY	METALS	MG/L	TOXIC	NON- TOXIC	TOXIC	NON- TOXIC	NON- TOXIC	
Arsenic-EP	LEACHATE	MG/L	<1	<1				5.0
Barium-EP	LEACHATE	MG/L	<1	<1				100.0
Cadmium-EP	LEACHATE	MG/L	*0.39	<0.1	0.84	<0.1	0.18	1.0
Chromium-EP	LEACHATE	MG/L	<0.4	<0.4				5.0
Lead-EP	LEACHATE	MG/L	*3.5	<0.2	16	0.36	0.46	5.0
Mercury-EP	LEACHATE	MG/L	0.008	0.006				0.2
Selenium-EP	LEACHATE	MG/L	<0.1	<0.1				1.0
Silver-EP	LEACHATE	MG/L	<0.4	<0.4				5.0

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(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M3 - Cubic Meter  
MG/M3 - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): EPA SW846-3010

Footnotes: \* ALL SAMPLES FOR COMPOSITE A WERE ANALYZED BY THE EP TOXICITY METHOD FOR LEAD AND CADMIUM DUE TO EXCEEDANCE OF ONE QUARTER THE EP TOXICITY LIMIT.

Submitted by: DS,AC

Approved by: [Signature]

Date: 5-SEP-1988



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E. Syracuse, N.Y. 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS  
Task Number: 88090225  
Location: HAZARDOUS WASTE  
STORAGE ROOM

Job Number: G4034

Date Sampled: 02-SEP-1988

		Lab ID: F27893	EP TOXICITY
		Client ID: 048	LIMITS (MG/L)
EP TOXICITY	METALS	MG/L	TOXIC
Arsenic-EP	LEACHATE	MG/L	<1 5.0
Barium-EP	LEACHATE	MG/L	1.4 100.0
Cadmium-EP	LEACHATE	MG/L	1.3 1.0
Chromium-EP	LEACHATE	MG/L	0.52 5.0
Lead-EP	LEACHATE	MG/L	70 5.0
Mercury-EP	LEACHATE	MG/L	0.006 0.2
Selenium-EP	LEACHATE	MG/L	<0.1 1.0
Silver-EP	LEACHATE	MG/L	<0.4 5.0

Method(s): EPA SW846-3010

Footnotes:

(<) - Less Than  
(>) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M3 - Cubic Meter  
MG/M3 - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Submitted by: DS,AC

Approved by:

Date: 5-SEP-1988

TO: W. L. Jones

Lab Id. 87-0362 A-I

cc: J. P. Dubendorfer  
B. D. Manuel

87-0363 A-H

87-0364 A-H

FROM: D. D. Millard/6053 *DDM*  
R. C. Hilsdorf/6053 *RCH/car*  
Corporate Analytical Services  
RD&E, Technical Services

DATE: July 23, 1987

SUBJECT: Analytical Results on Samples from Main Plant Waste  
Storage Area Submitted for E. P. Tox, Lead, Barium,  
Cadmium, Selenium and Arsenic

Results:

Lab ID	Sample ID	Start pH	End pH	Pb μg/ml	Ba μg/ml	Cd μg/ml	Se μg/ml	As μg/ml
A 87-0362A	AS-1 0-3ft	6.2	4.9	3.4	12	0.67	<0.05	1.6
B	AS-1A 0-3ft	8.6	5.0	0.39	0.51	0.19	<0.05	0.91
C	AS-1B 0-3ft	8.5	4.9	0.13	3.4	0.11	<0.05	0.55
D	AS-2 3-5ft	8.5	4.9	0.10	2.9	0.05	<0.05	0.54
E	AS-2A 3-5ft	8.3	4.9	1.2	0.22	0.01	<0.05	0.50
F	AS-2B 3-5ft	8.5	5.2	0.05	0.38	0.02	<0.05	0.52
G	AS-3 5-7ft	8.2	4.8	2.9	2.7	0.06	<0.05	2.1
H	AS-3A 5-7ft	8.2	4.9	0.10	0.76	0.01	<0.05	1.0
I	AS-3B 5-7ft	7.7	5.0	0.03	0.70	<0.01	<0.05	0.63
B 87-0363A	BS-1 0-3ft	10.8	5.6	0.43	35	0.05	<0.1	0.66
B	BS-1A 0-3ft	11.0	5.4	0.42	37	0.05	<0.05	0.51
C	BS-1B 0-3ft	10.9	5.4	0.40	30	0.05	<0.05	0.57
D	BS-2 3-5ft	10.2	5.2	0.34	32	0.05	<0.05	0.75
E	BS-2A 3-5ft	5.0	5.2	0.06	2.7	<0.01	<0.05	1.3
F	BS-3 5-7ft	4.3	4.8	0.05	1.5	<0.01	<0.05	1.7
G	BS-3A 5-7ft	4.4	4.6	<0.04	0.20	<0.01	<0.05	0.99
H	BS-3B 5-7ft	4.4	4.6	<0.04	0.37	<0.01	<0.05	0.95
C 87-0364A	CS-1 0-3ft	9.3	5.2	0.09	2.6	0.01	<0.05	1.2
B	CS-1A 0-3ft	9.4	5.2	0.23	2.7	0.02	<0.05	1.6
C	CS-1B 0-3ft	9.2	5.1	2.7	2.9	0.04	<0.05	1.1
D	CS-2 3-5ft	9.2	4.9	0.21	3.2	0.06	<0.05	0.98
E	CS-2A 3-5ft	9.0	5.1	<0.04	0.69	<0.01	<0.05	0.76
F	CS-2B 3-5ft	9.0	4.9	0.05	1.5	0.02	<0.05	1.2
G	CS-3 5-7ft	9.1	5.1	0.13	2.4	0.04	<0.05	1.3
H	CS-3A 5-7ft	8.7	5.1	0.17	1.3	0.04	<0.05	0.87

FIELD

## LOG OF TEST BORING

6-11-87 vf

CLIENT Corning Glass Works BORING NO. A

PROJECT Main Plant Bldg. 60 Acid Site, Corning, New York DATE START 6-2-87

BORING LOCATION As staked DATE COMP. 6-2-87

ELEV. REF. \_\_\_\_\_ ORDER NO. 2092.18

ELEV.	DEPTH 0'	DESCRIPTION OF MATERIALS	SAMPLE					SOIL PROPER	
			NO	TYPE	DEPTH	BLOWS PER 6 INCHES	REC- OVERY	W	LL/PL
	3.0'	Sand clay, cinders, gravels, (fill), moist - soft							
	3.0'		1	SS	3-5	20-13-7	18"		
	2.0'	Cinders, brick, sand, gravel, (fill), moist - dense							
	5.0'		2	SS	5-7	4-3-2-2	24"		
	2.0'	Sandy clay, cinders, brick, (fill), moist - soft							
	7.0'								
		BORING COMPLETED							

## GENERAL NOTES

DRILLER C. Haymond

RIG NO. 29

RIG TYPE Truck

METHOD HSA

SS

9-85-1



**THE H. C. NUTTING COMPANY**

GEOTECHNICAL AND TESTING ENGINEERS

4120 AIRPORT ROAD • P.O. BOX C • CINCINNATI, OHIO 45226 • 513-321-5816  
 812 MORRIS STREET • CHARLESTON, WEST VIRGINIA 25301 • 304-344-0821  
 BOX NUMBER 11 • HIGHLAND HEIGHTS, KENTUCKY 41078 • 606-261-2043

## WATER LEVEL OBSERVATION:

IMMEDIATE NW FT

AT COMPLETION NW FT

AFTER BP HRS. FT

WATER USED IN  
 DRILLING NW FT

F. B-6

FIELD

## LOG OF TEST BORING

6-11-87 vf

CLIENT Corning Glass Works BORING NO. B  
 PROJECT Main Plant Bldg. 60 Acid Site, Corning, New York DATE START 6-2-87  
 BORING LOCATION As staked DATE COMP. 6-2-87  
 ELEV. REF.  ORDER NO. 2092.1

ELEV.	DEPTH 0'	DESCRIPTION OF MATERIALS	SAMPLE					SOIL PROPE	
			NO	TYPE	DEPTH	BLOWS PER 6 INCHES	REC. OVERY	W	LL/PL
	3.0'	Brown sandy clay, cinders, (fill), moist - medium stiff							
	3.0'		1	SS	3-5	3-4-17-10	18"		
	2.0'	Brown sandy clay, cinders, brick, (fill), moist - stiff							
	5.0'		2	SS	5-7	4-5-6-8	24"		
	2.0'	Brick cinders, (fill), moist - medium dense							
	7.0'								
BORING COMPLETED									

## GENERAL NOTES

DRILLER C. Haymond  
 RIG NO. 29  
 RIG TYPE Truck  
 METHOD HSA  
SS

9-85-1

Fig 8-7



THE H. C. NUTTING COMPANY

GEOTECHNICAL AND TESTING ENGINEERS

SINCE 1921

4120 AIRPORT ROAD • P.O. BOX C • CINCINNATI, OHIO 45226 • 513-321-5818  
 912 MORRIS STREET • CHARLESTON, WEST VIRGINIA 25301 • 304-344-0821  
 BOX NUMBER 11 • HIGHLAND HEIGHTS, KENTUCKY 41078 • 606-261-2043

## WATER LEVEL OBSERVATION

IMMEDIATE NW F  
 AT COMPLETION NW F  
 AFTER BP HRS. F  
 WATER USED IN  
 DRILLING NW F

FIELD

## LOG OF TEST BORING

6-11-87 vf

CLIENT Corning Glass Works BORING NO. C  
 PROJECT Main Plant Bldg. 60 Acid Site, Corning, New York DATE START 6-2-8  
 BORING LOCATION As staked DATE COMP. 6-2-8  
 ELEV. REF. \_\_\_\_\_ ORDER NO. 2092..

ELEV.	DEPTH 0'	DESCRIPTION OF MATERIALS	SAMPLE				SOIL PROP	
			NO	TYPE	DEPTH	BLOWS PER 8 INCHES	REC. OVERLY	W LL PL
	3.0'	Brown sandy clay, cinders, (fill), moist - medium stiff						
	3.0'		1	SS	3-5	4-5-2-4	18"	
	4.0'	Brown sandy clay, cinders, rock fragments, (fill), moist - medium stiff	2	SS	5-7	3-4-4-5	18"	
	7.0'							
		BORING COMPLETED						

## GENERAL NOTES

DRILLER C. Haymond  
 RIG NO. 29  
 RIG TYPE Truck  
 METHOD HSA  
SS

9-85-1



THE H. C. NUTTING COMPANY

GEOTECHNICAL AND TESTING ENGINEERS

SINCE 1921

4120 AIRPORT ROAD • P.O. BOX C • CINCINNATI, OHIO 45226 • 513-321-5818  
 912 MORRIS STREET • CHARLESTON, WEST VIRGINIA 25301 • 304-344-0821  
 BOX NUMBER 11 • HIGHLAND HEIGHTS, KENTUCKY 41078 • 606-261-2043

## WATER LEVEL OBSERVATION

IMMEDIATE NW  
 AT COMPLETION NW  
 AFTER BP HRS. \_\_\_\_\_  
 WATER USED IN  
 DRILLING NW

F. 8-8



# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
E Syracuse, N.Y. 13057  
Tel (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88092126

Location: DEC CLOSURE CORNING

Date Sampled: 21-SEP-1988

### EP TOXICITY

### METALS

		Lab ID: F30213	F30214	F30215	EP TOXICITY LIMITS (MG/L)
		Client ID: 049 SAMPLE D	050 SAMPLE E	051 SAMPLE F	
		NON-TOXIC	NON-TOXIC	NON-TOXIC	
Arsenic-EP LEACHATE	MG/L	<2	<2	<2	5.0
Barium-EP LEACHATE	MG/L	<1	<1	2.5	100.0
Cadmium-EP LEACHATE	MG/L	<0.1	<0.1	0.32	1.0
Chromium-EP LEACHATE	MG/L	<0.1	<0.1	<0.1	5.0
Lead-EP LEACHATE	MG/L	3.6	<0.2	0.26	5.0
Mercury-EP LEACHATE	MG/L	<0.002	<0.002	<0.002	0.2
Selenium-EP LEACHATE	MG/L	<0.05	<0.05	<0.05	1.0
Silver-EP LEACHATE	MG/L	<0.1	<0.1	<0.1	5.0

( $<$ ) - Less Than  
( $>$ ) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M<sup>3</sup> - Cubic Meter  
MG/M<sup>3</sup> - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): EPA SW846-3010

Footnotes:

Submitted by: AC, DS

Approved by: *[Signature]*

Date: 23-SEP-1988





# Galson

Technical Services, Inc.

6601 Kirkville Road  
Post Office Box 546  
Syracuse, NY 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090910

Location: ALLWASH CLOSURE

Date Sampled: 06-SEP-1988

### CHROMIUM-FILTER

Sample ID	Lab ID	AIR VOL M3	TOTAL MG	MG/M3
A	F28532	0.7369	<0.001	<0.001
B	F28533	0.7500	<0.001	<0.001
C	F28534	0.7500	<0.001	<0.001
	LAB BLANK		<0.001	

( $<$ ) - Less Than  
( $>$ ) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M<sup>3</sup> - Cubic Meter  
MG/M<sup>3</sup> - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

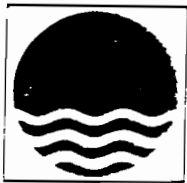
Method(s): NIOSH 173

Footnotes:

Submitted by: DS

Approved by: *[Signature]*

Date: 13-SEP-1988



# Galson

Technical Services, Inc.

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Post Office Box 546  
Syracuse, NY 13057  
Tel: (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090910

Location: ALLWASH CLOSURE

Date Sampled: 06-SEP-1988

### LEAD-FILTER

Sample ID	Lab ID	AIR VOL M3	TOTAL UG	UG/M3
A	F28532	0.7369	2.2	3.0
B	F28533	0.7500	1.4	1.9
C	F28534	0.7500	1.9	2.5
	LAB BLANK		<1	

( $<$ ) - Less Than  
( $>$ ) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M<sup>3</sup> - Cubic Meter  
MG/M<sup>3</sup> - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): NIOSH 173

Footnotes:

Submitted by: DS

Approved by: *[Signature]*

Date: 13-SEP-1988



# Galson

Technical Services, Inc.

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Post Office Box 546  
E Syracuse NY 13057  
Tel (315) 432-0506

## LABORATORY ANALYSIS REPORT

Client: CORNING GLASS WORKS

Job Number: G4034

Task Number: 88090910

Location: ALLWASH CLOSURE

Date Sampled: 06-SEP-1988

### CADMIUM-FILTER

Sample ID	Lab ID	AIR VOL M3	TOTAL MG	MG/M3
A	F28532	0.7369	<0.001	<0.001
B	F28533	0.7500	<0.001	<0.001
C	F28534	0.7500	<0.001	<0.001
	LAB BLANK		<0.001	

( $<$ ) - Less Than  
( $>$ ) - Greater Than  
NA - Not Applicable  
ND - Not detectable  
NS - Not specified  
MG - Milligrams  
L - Liters  
M<sup>3</sup> - Cubic Meter  
MG/M<sup>3</sup> - Milligrams Per Cubic Meter  
PPM - Parts Per Million  
UG - Micrograms  
NG - Nanograms

Method(s): NIOSH 173

Footnotes:

Submitted by: DS

Approved by: *J. Coventry*

Date: 13-SEP-1988

APPENDIX B

CORRESPONDENCE, RECORDS



Consulting Engineers  
Syracuse • Rochester

6601 Kirkville Road  
E. Syracuse, N.Y. 13057  
Tel: (315) 437-7181

August 17, 1988

Corning Glass Works  
Construction Trailer  
50 Front Street  
Corning, NY 14831

Attn.: Wally Jones

Re: Main Plant Closure Plan Certification  
G&G Project 88-060  
Sampling Protocol

Gentlemen:

Per your request, please find attached a list of the various samples required in the closure plan, with the sample size and any special sampling/handling directions. I also have the following general comments on sampling:

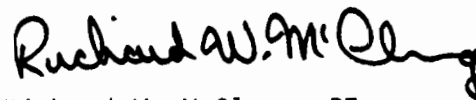
1. Sterilized sampling containers will be supplied for all samples by Galson.
2. Minimum turn-around time is 72 hours, due to two sequential 24-hour digestions required for the mercury analysis for EPA toxicity.
3. No refrigeration of samples is required.
4. Samples will be gathered by the Contractor and turned over to Corning, who will coordinate shipment/handling with Galson.
5. Please note the sampling directions on the attached sheet for washwater samples from the liquid storage drums.

I have also enclosed a copy of the chain of custody form from our laboratories. Samples will be taken, labeled, and recorded by the contractor. This data will be put on the chain of custody form. The form must accompany each sample, or group of samples, from sampling until analysis is complete in the lab. Each time the sample changes hands, signatures are required on the bottom of this form.

I trust that this will clear up any questions on the sampling protocol. If any additional information is required, please call either Joe Unangst, our Laboratory Director, or me. We will be waiting to hear from you on the final schedule of the removals and cleanup for this project.

Sincerely,

GALSON & GALSON, PC

A handwritten signature in black ink, appearing to read "Richard W. McClung". The signature is fluid and cursive, with a long, sweeping tail on the final letter.

Richard W. McClung, PE  
Project Manager

/plm

Enclosures

xc: B. Songer - Allwash

J. Unangst, K. Kyhos - Galson Technical Services

CORNING GLASS WORKS

CORNING, NEW YORK

MAIN PLANT AREA CLOSURES

Sampling Protocol

<u>Sample Description</u>	<u>No. of Samples</u>	<u>Containers Supplied By</u>	<u>Minimum Sample Size</u>	<u>Special Directions/ Handling</u>
<u>Item B - Hazardous Waste Hopper Storage Area</u>				
Soil	3	Galson	50g	Sample of 4-5 cubic inches
<u>Item C - Hazardous Chemical Storage Area</u>				
Floor Drain	1	Galson	50g	None
Floor Core	4	Galson	50g	Sample - 2 inch dia x 3 inch deep
Wall Core	4	Galson	50g	Sample - 2 inch dia x 3 inch deep
Wash Water	25	Galson	300 ml	Note 1
<u>Item D - Hazardous Liquid Storage Tank</u>				
Tank Sludge	1	Galson	50g	None
FRP Piping	1	Galson	50g	Sample - 1-1/2 in. (min. dia.) x 4 in. long
FRP Tank Wall	1	Galson	50g	Sample - 4 in. x 4 in. section
Brick Core	2	Galson	50g	Sample - 2 in. dia. x 3 inch deep
Wash Water	5	Galson	300 ml	Note 1

Notes:

1. Each wash water storage drum will be sampled separately, and samples will be deposited in separate containers. The above number of samples is based on an estimate of the number of 55 gallon storage drums. Sampling of each drum will be performed using a 3/8" I.D. glass rod to pull a 40" long core of liquid from the drum. Five (5) pulls will be required to collect the necessary volume from each drum. After each drum sampling is completed, glass rod must be rinsed with sterile water.

# Galson

Technical Services, Inc.

6601 Kirkville Road  
E Syracuse, N.Y. 13057  
Tel: (315) 437-7181

Environmental Sciences  
Division

## LABORATORY PERFORMING ANALYSIS

SURVEY					SAMPLERS (Signatures)					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Analy Requi	
				Water						Air
				Comp	Grab					

Relinquished By (Signature):		Received By (Signature):		Date/Time
Relinquished By (Signature):		Received By (Signature):		Date/Time
Relinquished By (Signature):		Received By (Signature):		Date/Time
Relinquished By (Signature):		Received by Mobile Laboratory for Field Analysis (Signature):		Date/Time
Dispatched By (Signature):		Date/Time	Received for Laboratory By: Date/Time	
Method of Shipment:				



LABORATORY PERFORMING ANALYSIS Golson & Golson

SURVEY				SAMPLERS (Signatures) <i>Dino Dyre</i>						
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Analysis Required	
				Water						Air
				Comp	Grab					
	HAZ-waste									
001	Corning Glass work Storage room 36/1	8/25/88	1045 AM			✓		ARSENIC	ALLWASH SAMPLE	
002	" "	8/25/88	1045 AM			✓		METALS	ALLWASH SAMPLE	
003	" "	8/25/88	1145 AM	✓				DUST speedy dry	AS reqd	
004	" "	8/25/88	130 PM	✓				DUST ENTRANCE	AT reqd	
005	" "	8/25/88	130 PM	✓				DUST Shelf AREA	" "	
006	" "	8/25/88	200 PM	✓				Trench north Sludge	" "	
007	" "	8/25/88	215 PM	✓				Trench north Sludge	" "	
008										
009										

Relinquished By (Signature): <u>Dino Dyre</u>	Received By (Signature): <u>Walter Jones</u>	Date/Time: <u>8/25/88 2:30 PM</u>
Relinquished By (Signature): <u>Walter Jones</u>	Received By (Signature): <u>Deborah C. Chantel</u>	Date/Time: <u>8/25/88 2:50 PM</u>
Relinquished By (Signature): <u>Deborah C. Chantel</u>	Received By (Signature): <u>J. Joseph Unanue</u>	Date/Time: <u>8/25/88 5:15 PM</u>
Relinquished By (Signature):	Received by Mobile Laboratory for Field Analysis (Signature):	Date/Time:
Dispatched By (Signature):	Date/Time:	Received for Laboratory By: <u>Lisa K. Kadowski</u>
Date/Time:		
Method of Shipment:		

001 > Do not have until Monday  
 002 >

# Galson

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Environmental Sciences  
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LABORATORY PERFORMING ANALYSIS GALSON GALSON

SURVEY					SAMPLERS (Signatures)					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Anal Requi	
				Water						Air
				Comp	Grab					
008	Corning Glass works mp 36-1 HAZ waste storage	8/25/88	11:35 AM	✓					MILK LANCUS TRASH one of two	NO SAMP
009	" "	8/25/88	11:30 AM	✓					MILK LANCUS TRASH Two of Two	AS rec
010	" "	8/26/88	9:15 AM	✓					LEAD one of one	NO SAMP
011	" "	8/29/88	10:30 AM	✓					WATER THAT WAS IN TANK Before washing	AS rec
012	" "	8/29/88	11:15 AM	✓					TANK Sludge	AS rec
Relinquished By (Signature):				Received By (Signature):				Date/Time		
<i>[Signature]</i>				<i>Walter Jones</i>				8/29/88 11:15 AM		
Relinquished By (Signature):				Received By (Signature):				Date/Time		
<i>Walter Jones</i>				<i>Richard W. McQuinn</i>				8/31/88 4:15 PM		
Relinquished By (Signature):				Received By (Signature):				Date/Time		
<i>Richard W. McQuinn</i>				<i>Lisa K. Radlowski</i>				9/01/88 8:50 AM		
Relinquished By (Signature):				Received by Mobile Laboratory for Field Analysis (Signature):				Date/Time		
<i>Lisa K. Radlowski</i>				<i>[Signature]</i>						
Dispatched By (Signature):		Date/Time		Received for Laboratory By:			Date/Time			
<i>[Signature]</i>				<i>[Signature]</i>			9/1/88 9:10 AM			
Method of Shipment:										

SAMPLES 001 & 002 INCLUDED. *WJG*

# Galson

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Environmental Sciences  
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LABORATORY PERFORMING ANALYSIS

Galson & Galson

SURVEY					SAMPLERS (Signatures)					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Anal. Reqs.	
				Water						Air
				Comp	Grab					
013	HAZ. WASTE STOR AGE, MD 36-1	8/29/88	2:30 PM	✓		✓		<del>metals</del> metals	NS	
014	" " " "	8/30/88	9:00 AM	✓				water before washing	NS	
015	" " " "	8/30/88	9:00 AM	✓				" " "	SAM	
016	" " " "	8/30/88	9:00 AM	✓				" " "	SAM	
017	" " " "	8/30/88	9:00 AM	✓				" " "	NS	
018	" " " "	8/30/88	9:00 AM	✓				" " "	SAM	
019	" " " "	8/30/88	9:00 AM	✓				" " "	SAM	
020	" " " "	8/30/88	9:00 AM	✓				" " "	NS	
<del>021</del>	" " " "	8/31/88	11:30 AM	✓				<del>metals</del>		

Relinquished By (Signature): <i>Dino Galson</i>	Received By (Signature): <i>Walter Jones</i>	Date/Time 8/31/88 1:30 PM
Relinquished By (Signature): <i>Walter Jones</i>	Received By (Signature): <i>Richard W. McElroy</i>	Date/Time 8/31/88 1:30 PM
Relinquished By (Signature): <i>Richard W. McElroy</i>	Received By (Signature): <i>Lisa K. Radlowski</i>	Date/Time 09/01/88 8:50 AM
Relinquished By (Signature): <i>Lisa K. Radlowski</i>	Received by Mobile Laboratory for Field Analysis (Signature):	Date/Time 
Dispatched By (Signature):	Date/Time	Received for Laboratory By: <i>Ally Kennedy</i>
Method of Shipment:		Date/Time 9/1/88 9:10

# Galson

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Galson Galson

①

SURVEY					SAMPLERS (Signatures)					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Anal Reql	
				Water						Air
				Comp	Grab					
021	HAZ-WASTE STORAGE MP-36-1	8/31/88	9:00 AM	✓				5/4/88	NS	
022	" " " "	8/31/88	9:10 AM	✓				5/4/88	NS	
023	HAZ-WASTE STORAGE MP-36-1	8/30/88	9:30 AM	✓				Sample of Sludge	NS	
024	HAZ-WASTE STORAGE MP-36-1	8/31/88	11:00 AM	✓				Dot out Duckwork		
Relinquished By (Signature):				Received By (Signature):				Date/Time		
Walter Jones				Walter Jones				8/31/88 1:30 PM		
Relinquished By (Signature):				Received By (Signature):				Date/Time		
Walter Jones				Richard W. McElroy				8/31/88 1:30 PM		
Relinquished By (Signature):				Received By (Signature):				Date/Time		
Richard W. McElroy				Lisa K. Radlowski				9/01/88 8:50 AM		
Relinquished By (Signature):				Received by Mobile Laboratory for Field Analysis (Signature):				Date/Time		
Lisa K. Radlowski										
Dispatched By (Signature):		Date/Time		Received for Laboratory By:			Date/Time			
				9/1/88 9:10 AM			9/1/88 9:10 AM			
Method of Shipment:										

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Environmental Sciences  
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## LABORATORY PERFORMING ANALYSIS

Galson & Galson

SURVEY					SAMPLERS (Signatures) <i>Qino Qino</i>					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Ana Req	
				Water						Air
				Comp	Grab					
025	HAZ-WASTE SYI	7/1/88	2:30 PM	✓					Tranche floor SAMPLE	
026									Tranche floor SAMPLE	
027									Floor Core Beam	
028									Floor Core SE Corn.	
029									Wall Core East	
030									Wall Core North	
031									Wall Core West	
032									Wall Core South	
<del>033</del>										

Relinquished By (Signature): <i>Qino Qino</i>	Received By (Signature): <i>Walter Jones</i>	Date/Time: 9-1-88   4 PM	
Relinquished By (Signature): <i>Walter Jones</i>	Received By (Signature): <i>Richard W. McElroy</i>	Date/Time: 9-1-88   4 PM	
Relinquished By (Signature): <i>Richard W. McElroy</i>	Received By (Signature): <i>Rose Myers</i>	Date/Time: 9-2-88   8:00 PM	
Relinquished By (Signature): <i>Rose Myers</i>	Received by Mobile Laboratory for Field Analysis (Signature):	Date/Time:	
Dispatched By (Signature):	Date/Time:	Received for Laboratory By:	Date/Time:
Method of Shipment:			

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Environmental Sciences  
Division

LABORATORY PERFORMING ANALYSIS

Galson's Galson

SURVEY					SAMPLERS (Signatures) <i>One Office</i>					
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Anal Reql	
				Water						Air
				Comp	Grab					
033	Hazardous Waste 36/1	9/1/88	3:30 PM	✓					Trench Drain Wall	
034									Brick North End	
035									Brick South End	
036									Dust Hopper Floor	
037									Chem Tank Floor	
038									Drain Pipe Floor	

Relinquished By (Signature): <i>One Office</i>	Received By (Signature): <i>Walter Jones</i>	Date/Time: 9-1-88   4 PM	
Relinquished By (Signature): <i>Walter Jones</i>	Received By (Signature): <i>Richard W. M. O'Neil</i>	Date/Time: 9-1-88   4 PM	
Relinquished By (Signature): <i>Richard W. M. O'Neil</i>	Received By (Signature): <i>Rose Myers</i>	Date/Time: 9-2-88   8:00 PM	
Relinquished By (Signature): <i>Rose Myers</i>	Received by Mobile Laboratory for Field Analysis (Signature):	Date/Time:	
Dispatched By (Signature):	Date/Time:	Received for Laboratory By:	Date/Time:
Method of Shipment:			

LABORATORY PERFORMING ANALYSIS Galson & Galson

SURVEY				SAMPLERS (Signatures)						
Station Number	Station Location	Date	Time	Sample Type		GTS No.	Other	No. of Containers	Analysis Required	
				Water						Air
				Comp	Grab					
040	HAZ - waste storage area	9/2/88		✓				WASH water	A-	
041								WASH water	A	
								Drain Arer		
042								WASH water		A
								Tank		
043								WASH water		B
								Floor		
044								WASH water		A
								Floor Tank		
045								WASH water	B	
								Floor/wall		
046								WASH water		B
	WALL/Floor							WASH water	B	
047								WALL/Floor	B	
048								FINAL WASH	Separate.	

Relinquished By (Signature): <i>David D. [Signature]</i>	Received By (Signature): <i>Michael [Signature]</i>	Date/Time 9/2/88 15:05
Relinquished By (Signature):	Received By (Signature): <i>Dave [Signature]</i>	Date/Time 9/2/88 15:36
Relinquished By (Signature):	Received By (Signature):	Date/Time
Relinquished By (Signature):	Received by Mobile Laboratory for Field Analysis (Signature):	Date/Time
Dispatched By (Signature):	Date/Time	Received for Laboratory By:
Date/Time		
Method of Shipment:		

# Galson

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Tel: (315) 437-7181

Environmental Sciences  
Division

## LABORATORY PERFORMING ANALYSIS

Corning Glass.

(72 hours)

SURVEY <u>Corning GW - DEC Closure</u>				SAMPLERS (Signatures) <u>R.W. McQuinn</u>						
Station Number	Station Location	Date	Time	Sample Type			GTS No.	Other	No. of Containers	Analysis Required
				Water		<del>At</del> Soil				
				Comp	Grab					
049	Sample D Haz. Waste Soil	09/21	9:30 AM			✓			1	EP Tox.
050	Sample E Haz. Waste Soil	09/21	9:30 AM			✓			1	EP Tox.
051	Sample F Haz. Waste Soil	09/21	9:30 AM			✓			1	EP Tox.
Relinquished By (Signature): <u>R.W. McQuinn</u>				Received By (Signature): <u>Rose Meyer</u>				Date/Time: <u>09/21/88 3:00 PM.</u>		
Relinquished By (Signature): <u>Rose Meyer</u>				Received By (Signature): <u>[Signature]</u>				Date/Time: <u>9/21/88 5:30 PM</u>		
Relinquished By (Signature):				Received By (Signature):				Date/Time:		
Relinquished By (Signature):				Received by Mobile Laboratory for Field Analysis (Signature):				Date/Time:		
Dispatched By (Signature):		Date/Time:		Received for Laboratory By:				Date/Time:		
Method of Shipment:										

NOTE: Fax results of tests to Corning Glass Works  
Fax- 607-974-4320 Attn: Walt Jones no later than Sept. 26  
Copy to Rick McQuinn