

**PRELIMINARY ASSESSMENT REPORT
DELPHI INTERIOR & LIGHTING SYSTEMS DIVISION
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY**

ISRA CASE No. 97070

by

**Haley & Aldrich of New York
Rochester, New York**

for

**General Motors Corporation
Trenton, New Jersey**

**File No. 70613-001
May 1997**



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21 May 1997
File No. 70613-001

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Office of General Counsel
Mail Code 482-112-149
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Subject: Preliminary Assessment Report
Delphi Interior & Lighting Systems Division
Trenton, New Jersey

Ladies and Gentlemen:

Haley & Aldrich of New York is pleased to present this Preliminary Assessment Report for the General Motors Corporation (GM) Delphi Interior & Lighting Systems Division facility located in Trenton, New Jersey. This report has been prepared at your request in connection with GM's announced plans for closure of the facility and pursuant to the requirements of the State of New Jersey's Industrial Site Recovery Act.

Thank you for asking us to assist you with the preparation of this report. Please contact us if you have any questions.

Sincerely yours,
HALEY & ALDRICH of NEW YORK

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Preliminary Assessment Report Form	(Presented in a separate volume)

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Figure No.	Title
1	Site Location
2	Site Plan and Location of Areas of Concern

I. INTRODUCTION

Haley & Aldrich of New York (Haley & Aldrich) performed a Preliminary Assessment of the General Motors Corporation (GM) Delphi Interior & Lighting Systems Division (Delphi) facility located at 1445 Parkway Avenue in Trenton, Mercer County, New Jersey. The Preliminary Assessment was performed at the request of GM in connection with GM's announcement of plans to close the facility.

The Preliminary Assessment has been performed pursuant to the requirements of the State of New Jersey's Industrial Site Recovery Act (ISRA), (N.J.S.A. 13:1K-6 et. seq.). GM notified the New Jersey Department of Environmental Protection (NJDEP) of its plan to close the Delphi facility in a General Information Notice (GIN) dated February 7, 1997. The NJDEP has assigned Case No. 97070 to the ISRA-related activities to be performed at the site.

1.1 Background Information

In December 1992 GM announced plans to close the facility and initiated a comprehensive remedial investigation of the entire site with oversight by NJDEP pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA, Case No. 92713). In 1993 GM decided to pursue sale of the facility business, and the ongoing investigation of the site was conducted pursuant to ISRA (Case No. 92713). In 1994, GM decided to continue its manufacturing operations at the site, and therefore withdrew from the ISRA process before the remedial investigation was completed.

Subsequent preliminary assessment, site investigation, and remedial investigation activities have been performed at the site in connection with a Memorandum of Agreement (MOA) between the NJDEP and GM executed in February 1996. The MOA activities, which are presently ongoing, have been assigned NJDEP Case No. 95-2-22-1407-48. The MOA activities have focussed on four areas of concern identified under ECRA / ISRA Case No. 92713. The four areas include the following: the former location of buried drums of barium-chromate sludge, the former location of an in-ground oil-water separator in the process-wastewater-pretreatment area of the site, an outdoor hazardous-waste drum storage pad, and the former location of two underground gasoline storage tanks.

1.2 Purpose and Scope of the Preliminary Assessment

The purpose of the Preliminary Assessment was to identify the presence of areas of concern at the site in accordance with NJDEP's current Technical Requirements for Site Remediation (Technical Requirements) (N.J.A.C. 7:26E).

Areas of concern present at the site were identified by:

- ☐ including the areas of concern previously identified at the site under NJDEP's ISRA Case No. 92713 and MOA Case No. 95-2-22-1407-48.
- ☐ performing preliminary assessment activities, in accordance with the Technical Requirements, as necessary to assess changes in environmental conditions in exterior areas of the site relative to conditions which were described in previous ISRA and

MOA submissions from GM to the NJDEP and in previous responses received by GM from the NJDEP.

Haley & Aldrich understands that assessment and investigation of environmental conditions in areas of the site located on, within, or beneath facility buildings and structures will be performed by GM during the decommissioning phase of plant closure after cessation of manufacturing operations at the site. Haley & Aldrich understands that the current schedule for site closure includes cessation of manufacturing activities in 1998. At the request of GM, the Preliminary Assessment performed by Haley & Aldrich has not included a detailed assessment of environmental conditions on, in, or beneath facility buildings or structures.

1.3 Report Contents

A brief description of previous ECRA, ISRA, and MOA investigations at the site is presented in Part II of this report. Part II also lists the specific previous ISRA and MOA submissions and NJDEP correspondence which identify and describe the areas of concern previously identified at the site. Part III describes the Preliminary Assessment activities performed by Haley & Aldrich. Part IV describes the findings of the Preliminary Assessment. Part V presents the recommendations of Haley & Aldrich for follow-up work at the site. A list of references follows the report text, and the site location and a site plan are shown on figures presented at the end of the report. The figure showing the site plan also shows the locations of the areas of concern identified during the Preliminary Assessment which had not been identified in previous ECRA, ISRA, and MOA documents.

A completed NJDEP Preliminary Assessment Report form, with Attachments, is attached as a separate volume.

II. PREVIOUS INVESTIGATIONS

In December 1992 GM announced plans to close the Trenton facility. Pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA), a Site Evaluation Submission (SES), which was the ECRA equivalent of an ISRA Preliminary Assessment Report, was submitted by GM to the NJDEP in March 1993 (ECRA Case No. 92713) (McLaren/Hart Environmental Engineering Corporation, 9 March 1993)¹.

A description of previous environmental investigations performed at the site was presented in the ECRA SES Sampling Plan attached to the SES, and historical data on environmental quality collected during previous investigations were presented in Attachments 14 through 22 of the SES. The sampling plan was subsequently revised based on draft comments received from the NJDEP and resubmitted to the NJDEP by GM as the ISRA Remedial Investigation Plan for ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 3 September 1993). Attachments 1 through 11 of the 3 September 1993 ISRA RI Plan presented additional historical data on environmental quality at the site.

The NJDEP granted conditional approval of the 3 September 1993 ISRA RI Plan in a letter to GM dated 17 December 1993. The approval was conditioned on comments presented in the approval letter. GM presented a proposal dated 28 February 1994 for additional work in five of the areas of concern identified in the 17 December 1993 approval letter. Comments on the 28 February 1994 GM proposal, and comments on other conditions presented in the 17 December 1993 approval letter which were not addressed in the 28 February 1994 GM proposal, were presented in a letter from the NJDEP to GM dated 12 May 1994.

Remedial investigation field sampling and laboratory analysis activities proposed by GM under ISRA Case No. 92713 were performed for GM by URS Consultants, Inc. (URS) in early 1994. In the 3 September 1993 RI Plan, the entire site had been divided into 11 investigation areas on the basis of the history of site operations in each area. The 11 areas are referred to as Zones 1 through 11 in this report. The boundaries of the 11 zones are shown on Figure 2. Figure 2 also shows the locations of groundwater monitoring wells which are present on the site, including the three wells (MW-18, MW-19, and MW-20) which were installed during the 1994 RI activities.

GM withdrew from the ISRA process in August 1994, and results of the investigations performed by URS were not presented to the NJDEP. Haley & Aldrich understands that GM intends to submit to the NJDEP a data report presenting all data collected by URS during the 1994 ISRA remedial investigation activities. We understand that the 1994 RI data report will be presented as an attachment to a Site Investigation/Remedial Investigation Work Plan for the site which GM intends to have prepared for ISRA Case No. 97070 in accordance with the NJDEP's Technical Requirements.

Subsequent preliminary assessment, site investigation, and remedial investigation activities have been performed at the site pursuant to a Memorandum of Agreement (MOA) between the NJDEP and GM executed in February 1996. The MOA activities have been assigned NJDEP Case No. 95-2-22-1407-48. A Preliminary Assessment/Site Investigation Report,

¹ A list of references is presented at the end of this report.

Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996) was submitted to the NJDEP by GM in May 1996. The NJDEP granted conditional approval of the Proposed Remedial Investigation Work Plan in a letter to GM dated 22 July 1996. GM submitted a Proposed Work Plan Addendum in October 1996 to address the NJDEP's conditions for approval.

Haley & Aldrich performed the proposed MOA remedial investigation activities in late 1996 and early 1997. The investigation included the following activities:

- removal of 98 buried drums and contaminated soil from the suspected barium-chromate drum disposal area (located in MOA Area A at the eastern side of the site in ISRA RI Zone 11).
- removal of the concrete tanks which made up the former oil-water separator and adjacent former waste oil tank and surrounding contaminated soil from MOA Area B (located in ISRA RI Zone 8).
- soil sampling beneath and around the hazardous waste drum storage pad in MOA Area C (located in ISRA Zone 4).
- statistical evaluation of historical groundwater analysis results for the former gasoline underground storage tanks area (MOA Area D, located in ISRA Zone 3).

A report of the results of the MOA remedial investigation is currently in preparation. Figure 2 shows the location of groundwater monitoring well MW-21 which was installed adjacent to the west side of the completed barium-chromate drum-removal excavation in 1997 during the MOA RI activities. Haley & Aldrich understands that GM intends to incorporate the data from the MOA remedial investigation in the planned Site Investigation/Remedial Investigation Work Plan for ISRA Case No. 97070.

III. PRELIMINARY ASSESSMENT ACTIVITIES

The following preliminary assessment activities were performed during April and early May 1997 by Haley & Aldrich personnel:

- ☐ review of GM's previous submissions to the NJDEP under ECRA / ISRA Case No. 92713 and MOA Case No. 95-2-22-1407-48, and review of NJDEP's written comments presented to GM in response to the submissions.
- ☐ interview of GM and Delphi personnel responsible for the previous ISRA and MOA investigative activities at the site and for ongoing environmental activities at the site concerning current environmental conditions at the site.
- ☐ review of available environmental records maintained by Delphi at the site and concerning the time period from 3 March 1993 to the present.
- ☐ visual inspection of exterior areas of the site during site walkovers on 9 April 1997 and 19 April 1997.
- ☐ review of historical and recent aerial photographs of the site.

IV. FINDINGS

The areas of concern identified at the Delphi facility are described below.

4.1 Areas of Concern Previously Identified at the Site

The areas of concern identified by this Preliminary Assessment include the areas of concern previously identified at the site under ECRA / ISRA Case No. 92713 and MOA Case No. 95-2-22-1407-48. The areas of concern previously identified at the site were described in the respective case documents listed in Part II of this report. A list of the previously-identified areas of concern is presented in Section 5 of the Attachments to the attached Preliminary Assessment Report form. Locations of areas of concern previously identified at the site were shown on figures presented in the ISRA Remedial Investigation Plan (McLaren/Hart Environmental Engineering Corporation, 3 September 1993).

GM's proposals for no further action in many of the areas of concern previously identified at the site were accepted by the NJDEP in its 17 December 1993 letter of conditional approval of the 1993 RI Plan. With three exceptions, which are described below, evidence of potential contamination in those areas of concern for which no-further-action proposals were accepted by the NJDEP was not noted or reported during the preliminary assessment activities performed by Haley & Aldrich.

Possible evidence of releases of hazardous substances or wastes was noted during the preparation of this Preliminary Assessment Report in the following three areas of concern for which no-further-action proposals had been accepted by the NJDEP in its 17 December 1993 letter:

□ Zone 1 - Transformer Substation #11

This substation is located on the roof of the main manufacturing building in Zone 1 of the site. The location of Substation #11 is labeled 1-1 on Figure 2. Plant personnel reported that residual PCB contamination of concrete in the containment area of this substation has resulted from a 4/19/95 release of PCB oil from an electrical transformer. Refer to Section 8 of the attached Preliminary Assessment Report form for additional information on the 4/19/95 release event.

Attempts to clean the concrete of PCBs using solvents have reportedly not been successful. Haley & Aldrich understands that GM plans to remove and properly dispose of the contaminated concrete during planned future decommissioning of Substation #11 and its transformers. Haley & Aldrich therefore concludes that no additional sampling is necessary in this area.

□ Zone 3 - Roll-off box staging area located northwest of Hazardous waste drum storage pad

The roll-off box staging area is located on concrete pavement in the area between the outdoor hazardous-waste drum storage pad and the southeast corner of the main building. The area of roll-off staging was identified in the ISRA Remedial Investigation Plan dated 3 September 1993 and the NJDEP letter dated 17 December

1993 as being located in Zone 4 of the site. The roll-off staging area currently extends into Zone 3 of the site, north of the area previously identified.

Oil staining was noted by Haley & Aldrich personnel during the preliminary assessment site walkover on the unpaved ground surface in the bed of the railroad spur located on the east side of the roll-off staging area. The area of oil staining noted in the bed of the rail spur is located in Zone 3 of the site as shown on Figure 2. The location of the oil-stained area is labeled 3-1 on Figure 2.

Based on the apparent staining of the unpaved ground surface in this area, Haley & Aldrich concludes that additional sampling is necessary to determine whether and to what extent soil contamination may be present above applicable criteria.

□ Zone 8 - Wastewater pretreatment neutralization tanks

These tanks are located in Zone 8 of the site as shown on Figure 2. Potential releases to soil or groundwater of process wastewater may have occurred in this area if apparent ground settlements indicated by settlements in the adjacent concrete walkway and wastewater-pretreatment-building floor have affected the integrity of the walls or floor of the neutralization tanks. The approximate general location of the area of ground settlement is labeled 8-1 on Figure 2.

Process wastewater constituents may also have been released to the ground surface in this area during the overflow of approximately 38,000 gallons of mixed stormwater and wastewater which occurred on 3/28/94. The approximate general location of the area of the 3/28/94 overflow is labeled 8-2 on Figure 2. Analysis was performed on a sample collected from the pool of water present on the ground surface after the overflow was discovered, and results indicated the following concentrations were present in the spilled material: chromium - 0.21 milligrams per liter (mg/L); copper - 0.63 mg/L; nickel - 1.5 mg/L; lead - 0.022 mg/L; zinc - 5.1 mg/L; and total cyanide - 0.015 mg/L. Refer to Section 8 of the attached Preliminary Assessment Report form for additional information on the 3/28/94 overflow event.

Based on the apparent potential for past releases of process wastewater constituents to soil or groundwater in this area, Haley & Aldrich concludes that additional sampling is necessary to determine whether and to what extent contamination may be present above applicable criteria.

4.2 Areas of Concern Not Previously Identified at the Site

The following areas, which had not previously been identified as areas of concern, were identified as areas of concern during the Preliminary Assessment performed by Haley & Aldrich personnel:

□ Zone 6 - Area of apparent surface-soil staining at south end of Parking lot

An area of stained soil was noted around and below a storm gutter which directs stormwater runoff from the south parking lot to the drainage swale on the south side of the property. The location of the stained area is labeled 6-1 on Figure 2. The parking lot is currently used for storage of empty parts-handling baskets, scrap

equipment removed from manufacturing areas of the facility, and empty rolloff boxes.

Based on the presence of staining on the unpaved ground surface in this area, Haley & Aldrich concludes that additional sampling is necessary to determine whether and to what extent soil contamination is present above applicable criteria in the stained area and whether and to what extent sediment contamination may be present in the adjacent swale.

□ Zone 7 - Area of Oil-stained Concrete at Northwest corner of Storage Shed

An area of oil-stained concrete was noted at the northwest corner of the storage shed located south of the maintenance building in Zone 7 of the site. The location of the stained area is labeled 7-1 on Figure 2. The concrete in this area appeared to be cracked and slightly degraded. It is adjacent to the east side of the former raw drum storage area previously identified as an area of concern.

Based on the apparent staining in this area, Haley & Aldrich concludes that additional sampling is necessary to determine whether and to what extent soil contamination is present above applicable criteria beneath the degraded section of concrete in the stained area.

□ Zone 7 - Area of Possible Past Material Storage or Surface Disturbance Northwest of Former Sludge Drying Bed No. 5

A group of several small white and gray features is apparent in a 1953 aerial photograph of the site at a location in Zone 7 to the east of the current die storage area. The location of the group of these features is labeled 7-2 on Figure 2. These features may have been piles of material or surface disturbances. They are roughly circular and each is approximately 10 feet in diameter. In the photograph, the ground surface in this area appears as if it may have been unpaved.

Plant personnel reported that storage of various equipment or materials may have occurred in this general area of the facility before and during the 1950s. Most of this general area is currently paved.

The location is northwest of the previously-reported location of former sludge drying bed No. 5. Additional review of facility records and/or later aerial photographs would be necessary to determine whether the apparent activity represented by these features is related to the drying of sludge from process wastewater pretreatment activities. Sludge drying was reported, in the 1993 ISRA Remedial Investigation Plan, to have been conducted in sludge drying bed No. 5 beginning in the late 1950's.

The location of the feature apparent on the 1953 photograph is outside the area of test borings proposed for sludge drying bed No. 5 in the 1993 ISRA Remedial Investigation Plan. Haley & Aldrich concludes that additional investigation is necessary to determine the nature of materials that may have been stored in this area and whether and to what extent soil contamination above applicable criteria may have resulted from the unidentified activities represented by this feature.

□ Zone 8 - Area of Past Leak in Process Wastewater Sewer Adjacent to West End of Old Oil-water Separator

According to plant personnel, an apparent leak in the process wastewater sewer adjacent to the west end of the old oil-water separator was noted during decommissioning of the old separator in 1991. The location of the area of the apparent past leak is labeled 8-3 on Figure 2.

Plant personnel reported that soils in the area of the leak were removed at the end of 1996 during the demolition and removal of the old separator. Sampling of the soils at the west end of the excavation performed to remove the old separator was performed by Haley & Aldrich personnel during the MOA remedial investigation after concrete and soil removal was completed. A report presenting results of the MOA remedial investigation activities is currently in preparation.

Based on the apparent potential for past releases of untreated process wastewater to soil or groundwater in this area, Haley & Aldrich concludes that, pending an evaluation of the sample analysis results from the MOA investigation, additional sampling may be necessary to determine whether and to what extent contamination may be present above applicable criteria.

□ Zone 8 - Drainage Swale Downstream of Stormwater Outfall DSN003a

On 25 January 1994, mineral oil was released from a punctured oil tote located on the empty drum storage pad located on the east side of the facility maintenance building. Containment and clean-up activities were performed by Delphi personnel at the time of the spill. These activities reportedly collected most of the spilled material; however, one gallon of oil was reportedly released to the storm sewer which discharges to the on-site drainage swale at outfall DSN003a. Records indicate an attempt was made to collect oil which may have entered the swale; however, no sampling was performed to determine whether soil or sediments had been impacted as a result. The location of the potentially-affected area of the swale is labeled 8-4 on Figure 2. Refer to Section 8 of the attached Preliminary Assessment Report form for additional information on the 1/25/94 release.

Based on the apparent potential for past releases of oil to soil or sediment in this area, Haley & Aldrich concludes that additional sampling is necessary to determine whether and to what extent contamination may be present above applicable criteria.

□ Zone 9 - Areas of past placement of fill in the Former Empty Basket Storage Area

A shallow depression approximately 100 feet long was noted in the asphalt pavement of the powerhouse parking lot extension in Zone 9 on the east side of the facility. This parking lot was constructed in the 1950s, and in 1993 it was used for the storage of empty baskets.

The shallow depression is located east of the facility powerhouse. The location of the depression is labeled 9-1 on Figure 2. Available information indicates that fill material from various onsite sources may have been placed in this area of the site. It is possible that the shallow depression was caused by ground settlement due to

compaction of materials or debris present in underlying fill. Plant personnel reported that fill material from various onsite sources is also likely to be present beneath the pavement in the southern half of the empty basket storage area. Investigation of these areas would be necessary to determine the nature of any fill which may be present and to determine whether and to what extent contamination above applicable criteria may be present in the subsurface.

V. CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of the Preliminary Assessment, Haley & Aldrich concludes that additional investigation is necessary to determine whether and to what extent contamination of soil, sediment, or groundwater may be present in the following nine areas of concern which have not been specifically addressed either in previous remedial investigation work plan proposals submitted by GM to the NJDEP or in NJDEP comments on the previous work plans:

- 3-1) the area of surface staining in the railroad bed adjacent to the roll-off box staging area located in Zone 3 of the site.
- 6-1) the area of surface staining around a stormwater gutter at the south end of the parking lot in Zone 6 of the site.
- 7-1) the area of surface staining on cracked concrete pavement at the northwest corner of the storage shed in Zone 7 of the site.
- 7-2) the area of possible material storage or surface disturbance noted in a 1953 aerial photograph at a location northwest of the former location of sludge drying bed No. 5 in Zone 7 of the site.
- 8-1) the areas of ground settlement apparent in the vicinity of the facility wastewater pretreatment neutralization tanks in Zone 8 of the site.
- 8-2) the area of the 3/28/94 overflow from the facility wastewater pretreatment neutralization tanks in Zone 8 of the site.
- 8-3) the area of an apparent past leak in the process wastewater sewer adjacent to the west end of the old oil-water separator in Zone 8 of the site.
- 8-4) the drainage swale downstream of stormwater outfall DSN003a in Zone 8 of the site.
- 9-1) the area of a shallow depression in the pavement of the former empty basket storage area in Zone 9 of the site.

Haley & Aldrich recommends that data collected during previous remedial investigation activities performed at the site, including the remedial investigations performed in 1994 in connection with previous ISRA Case No. 92713 and the recent MOA remedial investigations, be evaluated and used to prepare a Site Investigation/Remedial Investigation Work Plan for ISRA Case No. 97070. Haley & Aldrich recommends that the new Work Plan include additional investigation as necessary to determine whether and to what extent contamination of soil, sediment, or groundwater may be present in the nine areas described above and those other areas of concern previously identified at the site for which the NJDEP has not previously accepted a proposal by GM for no further action.

The Preliminary Assessment performed by Haley & Aldrich has not included a detailed assessment of environmental conditions on, in, or beneath facility buildings or structures. Haley & Aldrich understands that assessment and investigation of environmental conditions

related to facility buildings and structures will be performed by GM during the decommissioning phase of plant closure after cessation of manufacturing operations at the site.

VI. LIMITATIONS

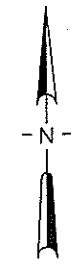
The conclusions provided by Haley & Aldrich of New York are based solely on the scope of work conducted and the sources of information referenced in this report. Any additional information which becomes available concerning this site should be provided to Haley & Aldrich of New York so that our conclusions and recommendations may be reviewed and modified as necessary.

REFERENCES

1. McLaren/Hart Environmental Engineering Corporation, "Site Evaluation Submission (SES), for Inland-Fisher Guide Division of General Motors Corporation, Trenton, New Jersey Facility, ECRA Case No. 92713," March 9, 1993.
2. McLaren/Hart Environmental Engineering Corporation, "ISRA Remedial Investigation Plan, Inland-Fisher Guide Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, ISRA Case No. 92713," September 3, 1993.
3. State of New Jersey, Department of Environmental Protection and Energy, Division of Responsible Party Site Remediation, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Douglas Stuart, Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, December 17, 1993. 12 May 1994
4. Inland-Fisher Guide Division, General Motors Corporation, letter from Kathleen M. Nicholson, P.E., to Mr. David Bean, State of New Jersey, Department of Environmental Protection and Energy, Division of Responsible Party Site Remediation, February 28, 1994.
5. State of New Jersey, Department of Environmental Protection and Energy, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Stephen Maybury, Section Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, May 12, 1994.
6. URS Consultants, Inc., "Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan, Delphi Interior & Lighting Systems Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, Case No. 95-2-22-1407-48," May 1996.
7. State of New Jersey, Department of Environmental Protection, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Gregory C. Zalaskus, Case Manager, to Marilyn Dedyne, P.E., General Motors, July 22, 1996.

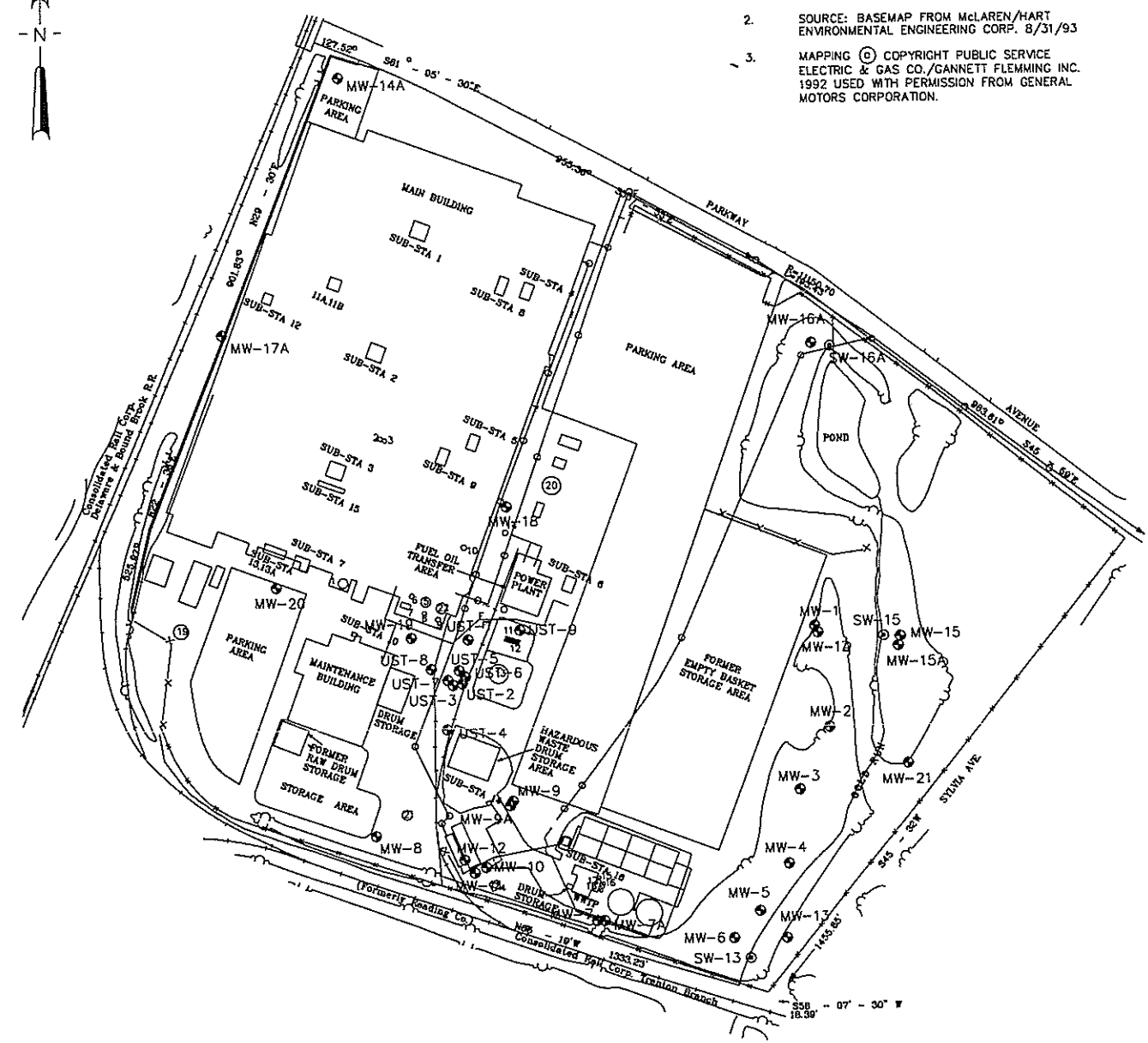
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NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SOURCE: BASEMAP FROM McLAREN/HART ENVIRONMENTAL ENGINEERING CORP. 8/31/93
3. MAPPING © COPYRIGHT PUBLIC SERVICE ELECTRIC & GAS CO./GANNETT FLEMING INC. 1992 USED WITH PERMISSION FROM GENERAL MOTORS CORPORATION.

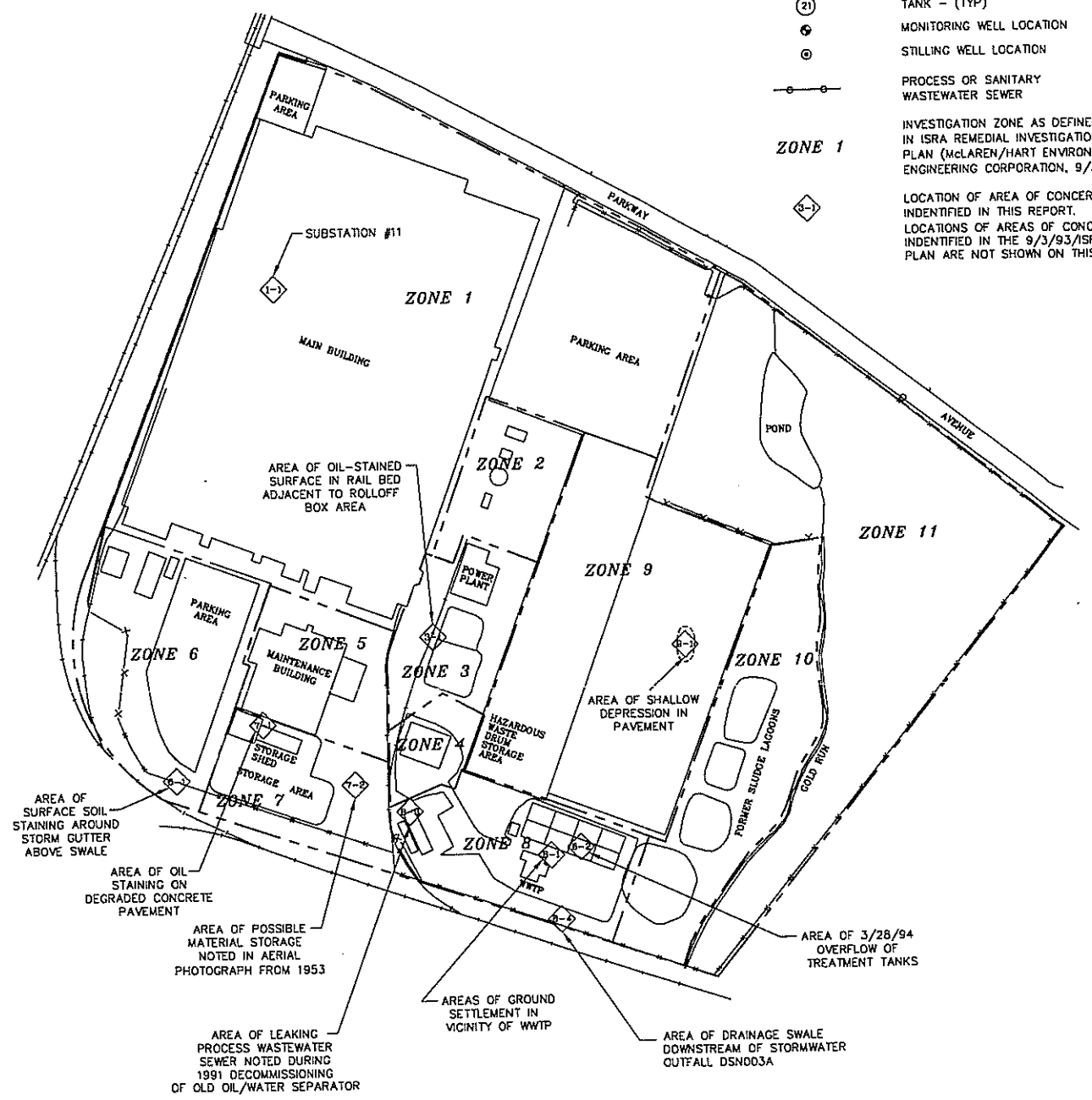


SITE PLAN

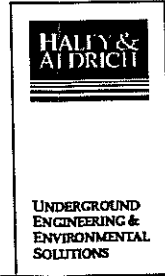
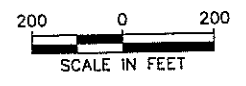


LEGEND

- APPROXIMATE PROPERTY BOUNDARY AND/OR INVESTIGATION ZONE BOUNDARY FROM 1993 ISRA RI PLAN
- x-x- FENCE LINE
- (2) TANK - (TYP)
- MONITORING WELL LOCATION
- ⊙ STILLING WELL LOCATION
- PROCESS OR SANITARY WASTEWATER SEWER
- ZONE 1 INVESTIGATION ZONE AS DEFINED IN ISRA REMEDIAL INVESTIGATION PLAN (McLAREN/HART ENVIRONMENTAL ENGINEERING CORPORATION, 9/3/93)
- ◆ LOCATION OF AREA OF CONCERN IDENTIFIED IN THIS REPORT. LOCATIONS OF AREAS OF CONCERN IDENTIFIED IN THE 9/3/93/ISRA RI PLAN ARE NOT SHOWN ON THIS PLAN.



LOCATION OF AREAS OF CONCERN



PRELIMINARY ASSESSMENT REPORT
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY

**SITE PLAN AND
LOCATION OF AREAS OF
CONCERN**

SCALE: AS SHOWN

MAY 1997

FILENAME: FIG2.DWG

**PRELIMINARY ASSESSMENT REPORT
DELPHI INTERIOR & LIGHTING SYSTEMS DIVISION
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY**

ISRA CASE No. 97070

by

**Haley & Aldrich of New York
Rochester, New York**

for

**General Motors Corporation
Trenton, New Jersey**

**File No. 70613-001
May 1997**



General Motors
Worldwide Facilities Group
Remediation Team
Mail Code 482-310-004
485 West Milwaukee Avenue
Detroit, Michigan 48202-3220
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fax. (313) 556-0803

19 May 1997

New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
401 E. State Street
Trenton, NJ 08625-0435

Attention: Mr. David Bean, Case Manager

Subject: ISRA Case # 97070
General Motors Delphi Interior & Lighting Systems
1445 Parkway Avenue, Trenton, NJ 08650

Dear Mr. Bean:

Attached is the Preliminary Assessment of the General Motors Corporation (GM) Delphi Interior & Lighting Systems Division (Delphi) facility located at 1445 Parkway Avenue in Trenton, Mercer County, New Jersey. The Preliminary Assessment was performed by Haley & Aldrich of New York (Haley & Aldrich) at the request of GM in connection with GM's announcement of plans to close the facility.

The Preliminary Assessment has been performed pursuant to the requirements of the State of New Jersey's Industrial Site Recovery Act (ISRA), (N.J.S.A. 13:1K-6 et. seq.). GM notified the New Jersey Department of Environmental Protection (NJDEP) of its plan to close the Delphi facility in a General Information Notice (GIN) dated February 7, 1997. The NJDEP has assigned Case No. 97070 to the ISRA-related activities to be performed at the site.

Background

In December 1992, GM announced plans to close the above referenced facility and initiated a comprehensive remedial investigation of the entire site with oversight by NJDEP pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA, Case No. 92713). A Site Evaluation Submission (SES), which was the ECRA equivalent of an ISRA Preliminary

Mr. David Bean, Case Manager
19 May 1997
Page 2

Assessment Report, was submitted by GM to the NJDEP in March 1993 (ECRA Case No. 92713) (McLaren/Hart Environmental Engineering Corporation, 9 March 1993).

A description of previous environmental investigations performed at the site was presented in the ECRA SES Sampling Plan attached to the SES, and historical data on environmental quality collected during previous investigations were presented in Attachments 14 through 22 of the SES. The sampling plan was subsequently revised based on draft comments received from the NJDEP and resubmitted to the NJDEP by GM as the ISRA Remedial Investigation Plan for ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 3 September 1993). Attachments 1 through 11 of the 3 September 1993 ISRA RI Plan presented additional historical data on environmental quality at the site.

The NJDEP granted conditional approval of the 3 September 1993 ISRA RI Plan in a letter to GM dated 17 December 1993. The approval was conditioned on comments presented in the approval letter. GM presented a proposal dated 28 February 1994 for additional work in five of the areas of concern identified in the 17 December 1993 approval letter. Comments on the 28 February 1994 GM proposal, and comments on other conditions presented in the 17 December 1993 approval letter which were not addressed in the 28 February 1994 GM proposal, were presented in a letter from the NJDEP to GM dated 12 May 1994.

Remedial investigation field sampling and laboratory analysis activities proposed by GM under ISRA Case No. 92713 were performed for GM by URS Consultants, Inc. (URS) in early 1994. In the 3 September 1993 RI Plan, the entire site had been divided into 11 investigation areas on the basis of the history of site operations in each area. The 11 areas are referred to as Zones 1 through 11 in the attached Preliminary Assessment Report and the boundaries of the 11 zones are shown on Figure 2. Figure 2 also shows the locations of groundwater monitoring wells which are present on the site, including the three wells (MW-18, MW-19, and MW-20) which were installed during the 1994 RI activities.

In 1994, GM decided to continue its manufacturing operations at the site, and therefore withdrew from the ISRA process before the remedial investigation was completed. GM intends to submit to the NJDEP, a data report presenting the data collected by URS during the 1994 ISRA remedial investigation activities. The 1994 RI data report will be presented as an attachment to a Site Investigation/Remedial Investigation Work Plan for the site, which GM intends to have prepared for ISRA Case No. 97070 in accordance with the NJDEP's Technical Requirements.

Subsequent to the 1994 withdrawal from ISRA, certain preliminary assessment, site investigation, and remedial investigation activities were performed at the site in connection with a Memorandum of Agreement (MOA) between the NJDEP and GM that was executed in February 1996. The MOA activities, which are presently ongoing, have been assigned NJDEP Case No. 95-2-22-1407-48. The MOA covered four areas of concern previously identified under ECRA / ISRA Case No. 92713. The four areas include the following: the former location of buried drums of barium-chromate sludge, the former location of an in-ground oil-water separator in the process-wastewater-pretreatment area of the site, an outdoor hazardous-waste drum storage pad, and the former location of two underground gasoline storage tanks.

Pursuant to the MOA, a Preliminary Assessment/Site Investigation Report and Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996) was submitted to the NJDEP by GM in May 1996. The NJDEP granted conditional approval of the Proposed Remedial Investigation Work Plan in a letter to GM dated 22 July 1996. GM submitted a Proposed Work Plan Addendum in October 1996 to address the NJDEP's conditions for approval.

The following MOA remedial investigation activities were performed in late 1996 and early 1997:

- removal of 98 buried drums and contaminated soil from the suspected barium-chromate drum disposal area (located in MOA Area A at the eastern side of the site in ISRA RI Zone 11).
- removal of the concrete tanks which made up the former oil-water separator and adjacent former waste oil tank and surrounding contaminated soil from MOA Area B (located in ISRA Zone 8).
- soil sampling beneath and around the hazardous waste drum storage pad in MOA Area C (located in ISRA Zone 4).
- statistical evaluation of historical groundwater analysis results for the former gasoline underground storage tanks area (MOA Area D, located in ISRA Zone 3).

A report of the results of the MOA remedial investigation is currently in preparation. Figure 2 of the current Preliminary Assessment report also shows the location of groundwater monitoring well MW-21 which was installed adjacent to the west side of the completed barium-chromate drum-removal excavation in 1997 during the MOA RI activities. GM intends to incorporate the data from the MOA remedial investigation in the planned Site Investigation/Remedial Investigation Work Plan for ISRA Case No. 97070.

Current Preliminary Assessment Activities

The purpose of the current Preliminary Assessment was to identify the presence of areas of concern at the site in accordance with NJDEP's current Technical Requirements for Site Remediation (Technical Requirements) (N.J.A.C. 7:26E).

Areas of concern present at the site were identified by:

- including the areas of concern previously identified at the site under NJDEP's ISRA Case No. 92713 and MOA Case No. 95-2-22-1407-48, except for areas where "no further sampling or investigation" was mutually agreed upon by GM and NJDEP.
- performing preliminary assessment activities, in accordance with the Technical Requirements, as necessary to assess changes in environmental conditions in exterior areas of

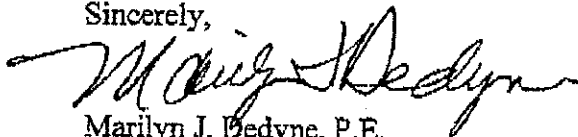
Mr. David Bean, Case Manager
19 May 1997
Page 4

the site relative to conditions which were described in previous ISRA and MOA submissions from GM to the NJDEP and in previous responses received by GM from the NJDEP.

Please note that the current Preliminary Assessment does not include a detailed assessment of environmental conditions on, in, or beneath facility buildings or structures. A plan for assessment and investigation of environmental conditions related to the buildings and structures will be prepared and implemented by GM during the decommissioning phase of plant closure, after cessation of manufacturing operations at the site. The current schedule for site closure includes cessation of manufacturing activities after July 1998.

GM is confident that NJDEP will find our submittal satisfactory, and we look forward to your site inspection and response. Please call me if you have any comments, questions, or require further information.

Sincerely,



Marilyn J. Bedyne, P.E.
Project Manager

cc: T. Marquis

2/96

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
 DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
 CN 028, TRENTON, NJ 08625-0028

PRELIMINARY ASSESSMENT REPORT

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C 7:26E-3.1 through 3.2., before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE PRINT OR TYPE

Date 5/16/97Industrial Establishment/Site Name Delphi Interior & LightingAddress 1445 Parkway AvenueCity or Town Trenton, New Jersey zip Code 08650Municipality Ewing Township County MercerLot(s) 1 Block(s) 343

Site Remediation Program Case Number or EPA Identification Number

ISRA Case No. 97070

1. Operational and Ownership History from the time the site was naturally vegetated or used as farmland. (Attach additional sheets if necessary).

Name	Operator	From	To
See Attached Section 1			

Name	Owner	From	To
See Attached Section 1			

Revision No: _____

Revision Date: _____

2A. Provide a brief description of the past operation(s) (e.g., industrial/commercial) conducted on site by each owner and operator (Attach additional sheets if necessary).

See Attached Section 2

2B. Include a detailed description of the most recent operations subject to this preliminary assessment (Attach additional sheets if necessary).

See Attached Section 2

3. Hazardous Substance/Waste Inventory: List all raw materials, finished products, formulations and hazardous substances, hazardous wastes, hazardous constituents and pollutants, including intermediates and by-products that are or were historically present on the site (attach additional sheets if necessary).

Material Name	Typical Annual Usage	Storage Method/ Container Type/Size	Location Reference Keyed to Site Map	To Remain on site? If yes, indicate quantity
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See Attached Section 3

Revision No: _____

Revision Date: _____

4. Summary of Wastewater Discharges of Sanitary and/or Industrial Waste and/or sanitary sludges: present and past production processes, including dates, and their respective water use shall be identified and evaluated, including ultimate and potential discharge and disposal points and how and where materials are or were received on-site. All discharge and disposal points shall be clearly depicted on a scaled site map.

A. Discharge Period:

From	To	Discharge Type & Quantity, if known	Discharge/Disposal Point
<u>See Attached Section 4</u>			
_____	_____	_____	_____
_____	_____	_____	_____

B. Provide a narrative of disposal processes for all process waste streams and disposal points. (attach additional sheets if necessary)

See Attached Section 4

5. Indicate if any of the potential areas of concern listed below in #5A through #5F, as defined in N.J.A.C. 7:26E-1.8, formerly or currently exist at the industrial establishment by indicating Yes or No in the appropriate space as provided.

In accordance with N.J.A.C. 7:26E3.1(c)1.v., a narrative shall be provided for each area of environmental concern describing the (A) Type; (B) Age; (C) Dimensions of each container/area; (D) Chemical Content; (E) Volume; (F) Construction materials; (G) Location; (H) Integrity (i.e., tank test reports, description of drum storage pad); and (I) Inventory control records, unless a Department-approved leak detection system, pursuant to N.J.A.C. 7:1E or 7:14B, has always been in place and there is no discharge history. If sampling is not proposed for any identified area of environmental concern, please explain why it is believed that the area of environmental concern does not contain contaminants above the applicable remediation standards. Submit all necessary documentation to verify this belief. The required narrative need not describe the sampling to be completed; however, it should state that sampling will be completed in accordance with the appropriate section of N.J.A.C.7:26E. Detailed descriptions of all remediation activities shall be described in the site investigation report in accordance with N.J.A.C.7:26E-3.10. Note: If the industrial establishment has multiple locations for one type of area of concern (example: underground storage tanks are located in 3 separate areas of the facility), each area must be discussed separately.

I hereby certify that a diligent inquiry (*) has been conducted to identify all current and historical potential areas of concern and based on the diligent inquiry the areas of concern identified below in question 5A through 5F are the only areas of concern believed to exist at the above referenced industrial establishment.

(*) See the definition of diligent inquiry in the directions for question #5 provided with this Preliminary Assessment form.

Revision No: _____

Revision Date: _____

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Page or Appendix # for Narrative
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A. Bulk storage tanks and appurtenances, including, without limitation:

Aboveground Tanks and associated piping	<u>Yes</u>	<u>See Attached Section 5</u>		
Underground Tanks and associated piping	<u>Yes</u>	<u>See Attached Section 5</u>		
Silos	<u>No</u>			
Rail Spurs or Sidings	<u>Yes</u>	<u>See Attached Section 5</u>		
Above or below ground pump stations	<u>No</u>			
Sumps	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		
Pits	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		
Rail/Truck loading and unloading areas	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		
Storage pads and areas including Drum and/or waste storage.	<u>Yes</u>	<u>See Attached Section 5</u>		
Surface lagoons and impoundments	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		
Dumpsters	<u>Yes</u>	<u>See Attached Section 5</u>		
Chemical storage cabinets or closets	<u>Yes</u>	<u>See Attached Section 5</u>		

B. Drainage systems and areas, including, without limitation:

Floor drains or trenches and piping	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		
Process area sinks and piping which receive process waste	<u>Yes</u>	<u>See Attached Section 5</u>		
Roof leaders when process operations vent to roof	<u>Yes</u>	No changes since 9/3/93 <u>ISRA RI Plan Issued</u>		

Revision No: _____

Revision Date: _____

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Page or Appendix # for Narrative
Drainage swales and culverts	<u>Yes</u>	<u>See Attached Section 5</u>		
Storm sewer collection systems	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>		
Storm water detention ponds & fire water ponds	<u>No</u>			
Surface water bodies	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>		
Septic systems, leachfields or seepage pits	<u>No</u>			
Dry wells	<u>No</u>			
C. Discharge and disposal areas, including, without limitation:				
Waste piles	<u>No</u>			
Landfills or landfarms	<u>No</u>			
Sprayfields	<u>No</u>			
Incinerators	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>		
Open Pipe Discharges	<u>No</u>			
D: Other areas of concern, including, without limitation:				
Electrical Transformers and capacitors	<u>Yes</u>	<u>See Attached Section 5</u>		
Areas of stressed vegetation	<u>Yes</u>	<u>See Attached Section 5</u>		
Underground piping, including industrial process sewers	<u>Yes</u>	<u>See Attached Section 5</u>		
Compressor vent discharges	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>		
Non-contact cooling water discharges	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>		

Revision No: _____

Revision Date: _____

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Page or Appendix # for Narrative
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Discolored areas or spill areas	<u>Yes</u>	<u>See Attached</u>	<u>Section 5</u>	
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Active or inactive production wells	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
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E. Building interior areas with a potential for discharge to the environment, including, without limitation:

Loading or transfer areas	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>	<u> </u>	<u> </u>
------------------------------	------------	--	-----------------------------	-----------------------------

Waste Treatment areas	<u>Yes</u>	<u>See Attached</u>	<u>Section 5</u>	
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Boiler rooms	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>	<u> </u>	<u> </u>
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Air vents and ducts	<u>Yes</u>	<u>No changes since 9/3/93</u> <u>ISRA RI Plan Issued</u>	<u> </u>	<u> </u>
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Hazardous material storage or handling areas	<u>Yes</u>	<u>See Attached</u>	<u>Section 5</u>	
--	------------	---------------------	------------------	--

F. Any other site specific area of concern.

<u>Refer to Attached</u>	<u>Section 5</u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

6. Protectiveness of past remedies, Order of Magnitude Analysis

A. Have any areas of environmental concern previously received a No-Further-Action approval from the Department or other equivalent government agency for which no additional remediation is proposed? Yes X No . If no, goto question #7. If yes, complete B. B not completed. See Attached

Section 6.

B. In accordance with N.J.S.A 58:10B-13(e) the following evaluation of the protectiveness of past remedies shall be completed for all areas of environmental concern for which no further action was previously approved by the Department or other equivalent government agency and for which no additional remediation is proposed. All final sampling results shall be evaluated to determine if contaminant levels remaining on site are in compliance with current remediation standards. The applicant shall determine:

i. if contaminant levels remaining on site are greater than the current cleanup criteria by an order of magnitude (factor of 10) or more by tabulating all sampling results, including sample location, sample media, field and laboratory identification numbers, and method detection limits, as necessary, and analytical results for all individual contaminants; and

ii. compare each contaminant result to the current remediation criteria.

Revision No:

Revision Date:

I hereby certify that the order of magnitude analysis required pursuant to N.J.S.A. 58:10B-13(e) has been completed, since the issuance of a No-Further-Action approval, negative declaration approval or equivalent remediation approval; and

Based on the order of magnitude analysis there has been no discharge of a hazardous substance or hazardous waste, subsequent to the issuance of a No-Further-Action approval, negative declaration approval or equivalent remediation approval at the areas of environmental concern listed below and no levels of contamination remain which exceed the current applicable cleanup criteria by more than an order of magnitude.

Please list the areas of concern for which the previous certification applies.

Area of Concern	Location Reference Keyed to Site Map	Area of Concern	Location Reference Keyed to Site Map
1. _____	_____	9. _____	_____
2. _____	_____	10. _____	_____
3. _____	_____	11. _____	_____
4. _____	_____	12. _____	_____
5. _____	_____	13. _____	_____
6. _____	_____	14. _____	_____
7. _____	_____	15. _____	_____
8. _____	_____	16. _____	_____

7. Historical Data on environmental quality at the Industrial Establishment

A. Have any previous sampling results documenting environmental quality of the Industrial Establishment not received a no further action approval from the Department or been denied approval by the Department?

 X Yes (See Attachment # Sect. 7) No

B. Have there been any known changes in site conditions or new information developed since completion of previous sampling or remediation? If sampling results were obtained, but are not part of this application, please explain below:

See Attached Section 7

Revision No: _____
Revision Date: _____

8. Discharge History of Hazardous Substances and Wastes:

A. Have there been any discharges of hazardous substances and wastes?

 X Yes (Complete Items B-E) No See Attached Section 8 for Responses to Items B-E

B. Was the Department notified of the discharge?

 Yes No (Go to item 9D)

If yes, provide the case #

C. Was a no-further-action letter, negative-declaration approval or full-compliance letter issued as a result of the cleanup of this discharge?

 Yes (Submit a copy and go to item 9E) No

D. Were sample results obtained?

 Yes No

If yes, submit the results

E. Provide a description of the discharge and the response and resolution.

9. Aerial Photographic interpretation for sites larger than two acres from 1932 to present or to the earliest photograph available . Note: You are not required to submit copies of aerial photographs only an interpretation of what was observed during the review. (Attach additional sheets if necessary)

See Attached Section 9

Revision No:

Revision Date:

10. List all federal, state and local environmental permits at this facility, including permits for all previous and current owners or operators, applied for, received, or both (Attach additional sheets if necessary).

Check here if no permits are involved _____

A. New Jersey Air Pollution Control

Permit Number	Certificate Number	Date of Approval or Denial	Reason for Denial (if applicable)	Expiration Date
<u>See Attached Section 10</u>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B. Underground Storage Tank Registration Number Not Applicable to Site

C. New Jersey Pollutant Discharge Elimination System (NJPDES) Permit

Number	Discharge Activity	Date Issued or Denied	Expiration Date	Body of Water Discharged Into
<u>See Attached Section 10</u>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

D. Resource Conservation and Recovery Act (RCRA) permit #Not Applicable to Site

E. All other federal, state, local government permits.

Agency Issuing Permit	Permit #	Type of Permit	Date of Approval or Denial	Expiration Date
Ewing Lawrence Sewer Authority	00106	_____	3/25/97	3/25/2002
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Revision No: _____
Revision Date: _____

CERTIFICATIONS:

A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name TERRY L. MARQUIS Title PLANT MANAGER
 Signature Terry L. Marquis Date 5-16-97
 Sworn to and Subscribed Before Me on this _____

Date of 5-16 19 97
William F. Hulse, III
 Notary

WILLIAM F. HULSE, III
 NOTARY PUBLIC OF NEW JERSEY
 My Commission Expires Feb. 8, 2000

B. The following certification shall be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official; or
4. For persons other than 1-3 above, by the person with the legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute I am personally liable for the penalties.

Typed/Printed Name TERRY L. MARQUIS Title PLANT MANAGER
 Signature Terry L. Marquis Date 5-16-97
 Sworn to and Subscribed Before Me on this _____

Date of 5-16 19 97
William F. Hulse, III
 Notary

WILLIAM F. HULSE, III
 NOTARY PUBLIC OF NEW JERSEY
 My Commission Expires Feb. 8, 2000

Revision No: _____
 Revision Date: _____

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 1

OPERATIONAL AND OWNERSHIP HISTORY

11. Summary of enforcement actions (including but not limited to, Notice of Violations, Court Orders, official notices or directives) for violations of environmental laws or regulations (attach additional sheets if necessary):

A. Check here if no enforcement actions are involved _____

B. (1) Name and address of agency that initiated the enforcement action

See Attached Section 11

(2) Date of the enforcement action _____

(3) Section of statute, rule or permit allegedly violated

(4) Type of enforcement action _____

(5) Description of the violation

(6) How was the violation resolved?

Revision No: _____

Revision Date: _____

12. Site Map See Attached Section 12

A. In accordance with N.J.A.C. 7:26E-3.2(a) 3.i, submit a scaled site plan, detailing the subject lot and block, property and or leasehold boundaries, location of current and former buildings, fill areas, paved and unpaved areas, vegetated areas, and all areas of concern identified above and all active or inactive wells.

B. Scaled historical site maps and facility as built drawings (if available).

C. A copy of the United States Geologic Survey (USGS) 7.5 minute topographical quadrangle that includes the site and an area of at least one mile radius around the site. The facility location shall be clearly noted. If a portion of the USGS quadrangle is used, the scale, north arrow, contour interval, longitude and latitude with the name and date of the USGS quadrangle shall be noted on the map.

13. List any other information you are submitting or which has been formerly requested by the Department:

Description	Attachment #
References	Section 13

Revision No: _____
Revision Date: _____

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 1

OPERATIONAL AND OWNERSHIP HISTORY

The summary of the operational and ownership history of the Delphi site which was presented in the Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993, Attachment 1) is attached on the following page. The only change which has occurred to the operational and ownership history of the site since 1993 has been the renaming by GM on February 13, 1995 of the Inland Fisher Guide Division to the Delphi Interior & Lighting Systems Division. No change in plant operations accompanied the name change. GM's Delphi Interior & Lighting Systems Division is the current owner and operator of the site.

Operational and Ownership History

Name	Owner/Operator	From	To	Address
General Motors	Owner/Operator	1937	present	1445 Parkway Avenue Trenton, NJ. 08650
Ternstedt	Operator	1938	1942	Same
Eastern Aircraft	Operator	1942	1945	Same
Ternstedt	Operator	1945	1968	Same
Fisher Body	Operator	1968	1984	Same
Fisher Guide	Operator	1984	1989	Same
Inland Fisher Guide	Operator	1989	present	Same

Ternstedt division: Produced automotive window regulators for Fisher body. Manufacturing operations included metal stamping and fabrication.

Eastern Aircraft Corporation: Retooled and produced 7546 Avenger Torpedo Bombers during World War II.

Ternstedt division: Manufacturing operations were expanded to include window regulators, door handles, seat adjusters and vent windows. Processes included metal stamping, plating (copper, nickel and chrome), and painting operations.

Fisher Body:

1968: Manufacturing operations consisted of aluminum anodizing and plastic injection molding, additional painting operations were added to paint plastic products, aluminum products, and seat adjuster components.

1970: In 1970, production of the vent window ceased. This eliminated half of the zinc die cast operations and the closure of several platters. The available floor space was filled with PVC plastic extruders used to make body side moldings.

1976: Fisher body consolidated aluminum fabrication anodizing. These operations were transferred to the Columbus, Ohio plant. The aluminum anodizer and associated plant area were shut down. Encapsulated glass operations began.

Fisher Guide: Electrostatic paint operation was shut down in 1988 when both interior and exterior painted moldings were phased-out. An ELPO primer and powder paint operation replaced the former electrostatic paint operation. The ELPO primer operations involved the electro phonetic deposition of a non-hazardous water-based paint primer on automotive body parts. In 1986 the plant began the manufacturing process of the bilaminate roll form and extrusion process. This process consists of an aluminum or stainless steel sheet being roll formed and coated with PVC in one operation. This process continues to this day.

Inland Fisher Guide: Fisher Guide merged with the Inland division of GM to form Inland Fisher Guide. There were no major changes to plant operations.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 2

DESCRIPTION OF PAST AND RECENT OPERATIONS

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 2

DESCRIPTION OF PAST AND RECENT OPERATIONS

The following description of past and recent operations at the Delphi site in Trenton is based on the description of operations which was presented in the Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993, Attachment 6). The SES summary has been updated to reflect current site operations.

Processes conducted at the Trenton facility have included metal stamping, electroplating, painting, bilaminate extrusion, zinc phosphating, and encapsulated glass operations.

Metal Stamping/Zinc Die-Casting

Metal sheets are rolled at the facility and stamped into the desired parts. Excess metal from the stamping operation is collected in bins in the southern portion of the property and shipped off-site for recycling. Approximately 95% of the former capacity of this operation at the facility has been eliminated.

Zinc was formerly smelted on-site and cast into automotive window handles and other parts. After they were allowed to cool, excess material was removed from the parts and returned to the smelter for re-use. The zinc parts were then further processed in the plating or painting areas. This operation has recently been eliminated and associated equipment, including 22 die cast machines and one gas and three electric furnaces, has been removed from the facility. All known electrical PCB capacitors formerly present at the facility had been associated with the die cast operation, and these have reportedly been removed.

Electroplating

Plating was conducted at the facility from 1948 until recently. From 1954 to 1988, a copper/nickel/chrome plater was used. This plater utilized a 1,1-dichlorobenzene washer to remove buffing compounds. A total of 12 different plating machines have been used since 1948. The one plater which remained in use in 1993 has recently been decommissioned. The following plating processes were associated with that plater:

Zinc die-cast parts were electroplated with copper, nickel, and chromium in the plating process tanks located in the manufacturing building. Plating solutions (acid copper solution, chromic acid solution, Semi-Brite nickel solution, Brite nickel solution, and caustic) were stored in the solution storage building and pumped via pipeline to the plating process tanks. Plating buildup on the dip racks was removed using nitric acid in the Steel Bay Building. At one time, the spent nitric acid was returned to the vendor for reclamation of the nickel metal. Recently, the spent acid was treated in the on-site waste treatment system.

Painting Operations

Painting operations have existed at the facility since the early 1950's. The major areas of the facility in which painting was conducted include the Electrostatic Paint Area in Department 9; the plastic painting area and the seat adjuster painting area, both in Department 5; and the anodized aluminum painting area in Department 1. These painting operations have been discontinued. The only painting activity currently in operation at the facility is a die-cast powder painting operation in Department 8.

The Powder Paint Area began operation in 1987. The current ELPO operation consists of electrophoretic deposition of a non-hazardous water-based ELPO primer and acrylic powder paint on the parts. Trace amounts of solvents are present in the ELPO primer.

Bilaminate Extrusion

The bilaminate extrusion process began operation at the facility in 1986 and continues at present. Stainless steel and aluminum coil products are roll-formed and coated with a thin PVC coating in a co-extrusion/roll-forming process. An in-line cleaning and adhesive application is conducted prior to the application of the PVC coating. This operation is currently performed at 10% of its recent former capacity.

Zinc Phosphating

A heavy zinc phosphater was put into operation in 1977 in order to increase the corrosion resistance of the seat adjusters. It replaced the water-based paint system outlined above. Application of a light zinc phosphate coating was also used for paint adhesion prior to painting metal parts. This operation and associated equipment have been decommissioned and removed since 1993.

Encapsulated Glass Operation

This area was formerly used for the anodized aluminum painting operation. In approximately 1976, encapsulated glass molding machines were installed. This operation involved application of a thin film of adhesive to automotive side window glass and placement of the glass in a molder where the glass was encapsulated in a "frame" of PVC. This operation has been removed since 1993.

Other Current Operations

Degreasers, using Safety Kleen Solvent 105-MS, are operated in maintenance and tool room areas.

The maintenance department also operates a dry filter hand-spray-paint booth where maintenance personnel prime and paint equipment and fabricated sheet metal.

Extrusion of PVC body side moldings, which began in approximately 1970, has been discontinued since 1993.

Previously Discontinued Operations

Painting Operations

The Electrostatic Paint Area was in operation from approximately 1955 to 1988. The primary paints used were enamels. The primary solvent was Aromatic 100, which was purchased in bulk, stored in an above ground storage tank, and pumped to the second floor paint mix room for use. Toluene, xylene, and other solvents were also used for paint mixing and spray gun purging.

The plastic painting area was in operation from approximately 1956 to 1982. The primary paints used were oven-bake lacquers and air dry enamel paints. The primary solvents included toluene, methyl ethyl ketone, and Marisol Solvent, a mixture of reclaimed solvents used for paint mask washing.

The seat adjuster painting area consisted of an in-line water wash paint booth which sprayed a water-based paint on the "legs" of seat adjusters. This operation was replaced by the zinc phosphater in 1977.

The anodized aluminum paint area was operated from approximately 1960 to 1976. The primary paint material was lacquer and the primary solvents were toluene and Marisol Solvent.

Aluminum Anodizing

Aluminum stampings and roll-formings were buffed and processed through two anodizers from approximately 1960 to 1974. The process produced a hard aluminum oxide (anodize) coating on the aluminum moldings using various acids and an electric current.

Zinc Plating

A zinc electroplating operation was conducted at the facility from approximately 1955 to 1977. In this process, steel stampings were processed through a barrel plating machine where a zinc coating was electroplated on the steel for corrosion protection.

Plastic Injection and Vacuum Molding

The facility fabricated plastic parts using an injection molding operation from the early 1960's to 1985.

A small vacuum molding operation was also used in the 1970's to apply a thin film of aluminum metal to automotive dome lamps. A small vapor degreaser, containing Clorothane VG solvents (1,1,1-trichloroethane), was used to clean plastic dome lamps prior to painting. The degreaser had a closed-loop solvent recovery system.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 3

HAZARDOUS SUBSTANCE / WASTE INVENTORY

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 3

HAZARDOUS SUBSTANCE / WASTE INVENTORY

A table describing the past and present hazardous substance and waste containment structures at the Delphi site is presented beginning on the following page. The table is an updated copy of the table presented in Attachment 8 of the 1993 Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993)

Copies of the following Delphi facility reports to the New Jersey Department of Environmental Protection (NJDEP) concerning hazardous substances and wastes present at the site are presented after the table:

- ☐ 1995 Hazardous Waste Report, and
- ☐ Community Right to Know Survey for 1996.

These reports are presented to update information presented in the 1993 SES.

GM intends to remove remaining stocks of hazardous substances and wastes listed in the attached reports from the site during the decommissioning of the facility.

HAZARDOUS SUBSTANCE AND WASTE CONTAINMENT DESCRIPTION
GENERAL MOTORS CORPORATION
Trenton, New Jersey Facility

TYPE OF CONTAINMENT UNIT	DATE INSTALLED	AREA OR VOLUMETRIC CAPACITY	MATERIALS STORED	CONSTRUCTION TYPE	LOCATION REFERENCE	COMMENTS
TANK, DIKED	1951	500,000 GAL.	#6 FUEL OIL	CARBON STEEL	POWERHOUSE TANK FARM (Zone 3)	ACTIVE
TANK, DIKED	1958	30,000 GAL.	#6 FUEL OIL	CARBON STEEL	POWERHOUSE TANK FARM (Zone 3)	ACTIVE
TANK, DIKED	1958	30,000 GAL.	#6 FUEL OIL	CARBON STEEL	POWERHOUSE TANK FARM (Zone 3)	ACTIVE
TANK, INDOORS/DIKED	1965	25,000 GAL.	ACID COPPER SOLUTION	CARBON STEEL, RUBBER LINED	SOLUTION STORAGE BUILDING (Zone 1)	OUT OF SERVICE
TANK, INDOORS/DIKED	1965	20,000 GAL.	CHROMIC ACID SOLUTION	CARBON STEEL, RUBBER LINED	SOLUTION STORAGE BUILDING (Zone 1)	OUT OF SERVICE
TANK, INDOORS/DIKED	1965	18,000 GAL.	SEMI-BRITE NICKEL SOLUTION	CARBON STEEL, RUBBER LINED	SOLUTION STORAGE BUILDING (Zone 1)	OUT OF SERVICE
TANK, INDOORS/DIKED	1965	18,000 GAL.	BRITE NICKEL SOLUTION	CARBON STEEL, RUBBER LINED	SOLUTION STORAGE BUILDING (Zone 1)	OUT OF SERVICE
TANK, INDOORS/DIKED	1965	15,000 GAL.	CAUSTIC	CARBON STEEL	SOLUTION STORAGE BUILDING (Zone 1)	ACTIVE
TANK, INDOORS/DIKED	1965	35,000 GAL.	EMPTY	CARBON STEEL	SOLUTION STORAGE BUILDING (Zone 1)	OUT OF SERVICE
WASTEWATER TREATMENT TANK	LATE 1950'S/EARLY 1960'S	1,200,000 GAL. (8 X 143,000 GAL COMPARTMENTS)	INDUSTRIAL WASTEWATER	CONCRETE	WASTE TREATMENT FACILITY (Zone 8)	ACTIVE
CLARIFIER (WEST)	1972	500,000 GAL.	INDUSTRIAL WASTEWATER	CONCRETE	WASTE TREATMENT FACILITY (Zone 8)	ACTIVE

HAZARDOUS SUBSTANCE AND WASTE CONTAINMENT DESCRIPTION
GENERAL MOTORS CORPORATION
Trenton, New Jersey Facility

TYPE OF CONTAINMENT UNIT	DATE INSTALLED	AREA OR VOLUMETRIC CAPACITY	MATERIALS STORED	CONSTRUCTION TYPE	LOCATION REFERENCE	COMMENTS
LAMELLA GRAVITY SETTLER, DIKED	1987	20,000 GAL.	INDUSTRIAL WASTEWATER	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	LOCATED INSIDE 500,000 GAL. EAST CLARIFIER (ACTIVE)
TANK	1972	8,000 GAL.	SULFURIC ACID	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	OUT OF SERVICE
TANK	1972	8,000 GAL.	SODIUM BISULFATE	STAINLESS STEEL	WASTE TREATMENT FACILITY (Zone 8)	OUT OF SERVICE
TANK, INDOORS	1972	8,000 GAL.	SODIUM HYPOCHLORITE	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	CURRENTLY BEING DECOMMISSIONED
TANK, INDOORS	1972	9,000 GAL.	SODIUM HYDROXIDE	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	ACTIVE
SLUDGE THICKENING TANK	1972	20,000 GAL.	INDUSTRIAL WASTEWATER/ PROCESS SLUDGE	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	ACTIVE
SLUDGE THICKENING TANK	1972	20,000 GAL.	INDUSTRIAL WASTEWATER/ PROCESS SLUDGE	CARBON STEEL	WASTE TREATMENT FACILITY (Zone 8)	ACTIVE
DRUM STORAGE PAD, DIKED	1960- (DIKES ADDED +/- 1985)	75' X 100'	HAZARDOUS AND NON-HAZARDOUS WASTE, LUBE OILS, KEROSENE, BUFFING COMPOUND, SULFURIC ACID, HCl	CONCRETE	HAZARDOUS DRUM STORAGE AREA (Zone 4)	TO BE OUT-OF-SERVICE BY JUNE 1997
TANK WITHIN EARTHEN DIKE	1991	11,000 GAL.	WASTE OIL	CARBON STEEL	OIL/WATER SEPARATOR (Zone 8)	ACTIVE

HAZARDOUS SUBSTANCE AND WASTE CONTAINMENT DESCRIPTION
GENERAL MOTORS CORPORATION
Trenton, New Jersey Facility

TYPE OF CONTAINMENT UNIT	DATE INSTALLED	AREA OR VOLUMETRIC CAPACITY	MATERIALS STORED	CONSTRUCTION TYPE	LOCATION REFERENCE	COMMENTS
DRUM STORAGE, INDOORS	1950 (EST)	50' X 50'	PAINT	CONCRETE AND BLOCK	PAINT STORAGE BUILDING (Zone 6)	OUT OF SERVICE
DRUM STORAGE	AFTER 1953	75' X 75'	LUBRICANTS, MISCELLANEOUS INACTIVE CHEMICALS	CONCRETE	SALVAGE BUILDING (Zone 7)	FORMER RAW DRUM STORAGE AREA, OUT OF SERVICE
TANKS (2), EQUIPPED WITH DRIP PANS	1962	480 GAL. EACH	NITRIC ACID	STAINLESS STEEL	STEEL BAY BUILDING (Zone 1)	CLEANED, OUT OF SERVICE
TANK, DIKED	1980	10,000 GAL.	TEMP. STORAGE OF PHOSPHATE SOLUTION	FIBERGLASS	PHOSPHATER (Zone 1)	CLEANED, OUT OF SERVICE
TANK, DIKED	1980	2,400 GAL.	TEMP. STORAGE OF PHOSPHATE SOLUTION	FIBERGLASS	PHOSPHATER (Zone 1)	OUT OF SERVICE
DRUM STORAGE, DIKED	1988 (SEE NOTES)	10' X 30'	PAINT	CONCRETE	ELPO PAINT AREA (Zone 1)	NOT A KNOWN UNIT (SEE NOTES)
TANK, DIKED	1988	10,000 GAL.	TEMP. STORAGE OF PAINT	PLASTIC WITH STAINLESS STEEL REINFORCEMENT	ELPO PAINT AREA (Zone 1)	ACTIVE
TANK, DIKED	1992	2,600 GAL.	SODIUM HYPOCHLORITE	FIBERGLASS	SODIUM HYPOCHLORITE BULK STORAGE (Zone 1)	EMPTY, OUT OF SERVICE, DIKE REMOVED
DRUM STORAGE, EQUIPPED WITH METAL SPILL PANS	1990	15' X 20'	OILS, SOLVENTS	PANS ARE CARBON STEEL	IN-PLANT DRUM STORAGE (Zone 1)	GENERAL OIL STORAGE CRIBS, ACTIVE

HAZARDOUS SUBSTANCE AND WASTE CONTAINMENT DESCRIPTION
GENERAL MOTORS CORPORATION
Trenton, New Jersey Facility

TYPE OF CONTAINMENT UNIT	DATE INSTALLED	AREA OR VOLUMETRIC CAPACITY	MATERIALS STORED	CONSTRUCTION TYPE	LOCATION REFERENCE	COMMENTS
HAZARDOUS WASTE DRUM STORAGE AREA		50' X 120'	HAZARDOUS WASTE, NON-HAZARDOUS WASTE, EMPTY DRUMS	CONCRETE	FORMER ZINC RECLAIM BUILDING (Zone 1)	ACTIVE
RAW DRUM STORAGE AREA		20' X 30'	PAINT, SOLVENTS, CAUSTICS, METHYLENE CHLORIDE, OTHER RAW MATERIALS	CONCRETE	RECEIVING AREA (Zone 1)	ACTIVE
ABOVE-GROUND GASOLINE STORAGE TANK	1989	550 GAL.	GASOLINE	STEEL	EAST OF DIE STORAGE AREA (Zone 7)	ACTIVE
Former Underground Waste oil Sump	1970's	3,300 Gal.	Waste hydraulic oil	Concrete	Mfg. unit #2, at GKN molders (Zone 1)	Cleaned, filled, and abandoned in place, 1988
Former Above-ground Spent Dichlorobenzene tanks (3)		30,000 Gal. (1), 18,000 Gal. (2)	Spent Dichlorobenzene	Carbon Steel	South side of Mfg. Building (Zone 1)	Abandoned in place in 1985, closed in 1992
Former Above-ground Paint thinner / solvent tanks (2)	1950's	5,000 Gal. (thinner) 4,000 Gal. (solvent)	Aromatic 100 solvent, MEK/toluene/Marisol solvent	Carbon Steel	West of Power house (Zone 2)	Removed in 1987-88
Hydraulic oil Tank	1991	3,500 Gal. (est.)	Hydraulic oil	Carbon Steel	West of Power house (Zone 2) in containment structure for former paint solvent tank described above	ACTIVE

HAZARDOUS SUBSTANCE AND WASTE CONTAINMENT DESCRIPTION
GENERAL MOTORS CORPORATION
Trenton, New Jersey Facility

TYPE OF CONTAINMENT UNIT	DATE INSTALLED	AREA OR VOLUMETRIC CAPACITY	MATERIALS STORED	CONSTRUCTION TYPE	LOCATION REFERENCE	COMMENTS
Former Underground Paint Tank	1970	2,500 Gal.	Temporary storage of paint	Carbon Steel	On east side of Mfg. Bldg. west of Power house (Zone 3)	Removed in 1989
Former Underground Gasoline tanks (2)	1979	2,000 Gal.	Gasoline	Carbon Steel	Southeast of Mfg. Bldg. (Zone 3)	Removed in 1989
	1971	4,000 Gal.	Gasoline	Carbon Steel		Removed in 1987
Former Underground Waste oil tank	1938	30,000 Gal.	Waste oil	Concrete	Adjacent to old oil-water separator (Zone 8)	Removed in 1996

Notes: Plant personnel reported having no knowledge of the drum storage area reported in the ELPO paint area on this table in the 1993 SES (McLaren/Hart Env. Eng. Corp., 3/9/93).

gmc:P:\70613\001\HAZSUBST.WPF



BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 0 0 2 3 5 3 9 5 1

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
IC

IDENTIFICATION AND
CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 9 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I Site name and location address. Complete A through H. Check the box ☐ in items A, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 10.

A. EPA ID No. Same as label ☒ or <u>NJ</u> <u>D</u> <u>0</u> <u>0</u> <u>2</u> <u>3</u> <u>5</u> <u>3</u> <u>9</u> <u>5</u> <u>1</u>		B. County <u>MERCER</u>
C. Site/company name Same as label ☐ or <u>DELPHI INTERIOR + LIGHTING</u> <u>SYSTEMS - GMC</u>		D. Has the site name associated with this EPA ID changed since 1993? ☒ 1 Yes ☐ 2 No
E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description. Same as label ☒ or <u>1445 PARKWAY AVENUE</u>		
F. City, town, village, etc. Same as label ☒ or <u>TRENTON</u>	G. State Same as label <u>NJ</u>	H. Zip Code Same as label <u>08650-1019</u>

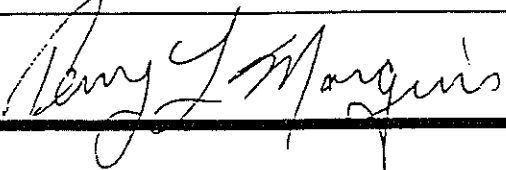
Sec. II Mailing address of site. Instruction page 10.

A. Is the mailing address the same as the location address? ☐ 1 Yes (SKIP TO SEC. III) ☒ 2 No (GO TO BOX B)		
B. Number and street name of mailing address <u>PO Box 9019</u>		
C. City, town, village, etc. <u>TRENTON</u>	D. State <u>NJ</u>	E. Zip Code <u>08650-1019</u>

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 10.

A. Please print: Last Name First name M.I. <u>WORRELL</u> <u>DAVID</u> <u>W</u>	B. Title <u>ENV. ENG.</u>	C. Telephone <u>609</u> <u>771</u> <u>16289</u> Extension <u>111</u>
--	------------------------------	--

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Please print: Last Name First name M.I. <u>MARQUIS</u> <u>TERRY</u> <u>L</u>	B. Title <u>PLANT MANAGER</u>
C. Signature 	D. Date of signature <u>03</u> <u>06</u> <u>96</u> MO. DAY YR.

Sec.V - Generator Status. Instruction pages 10, 12.

A. 1995 generator status

(CHECK ONE BOX BELOW)

- ☒ 1 USQG
☐ 2 USSQG/NJLQG SKIP to SEC. VI
☐ 3 USCESQG/NJSQG
☐ 4 Non generator (Continue to Box B)

B. Reason for not generating

(CHECK ALL THAT APPLY)

- ☐ 1 Never generated
☐ 2 Out of business
☐ 3 Only excluded or delisted waste
☐ 4 Only non-hazardous waste
☐ 5 Periodic or occasional generator
☐ 6 Waste minimization activity
☐ 7 Other (SPECIFY COMMENTS IN BOX BELOW)

Sec.VI - On-Site Waste Management Status. Instruction pages 13, 14.

A. Storage subject to permitting requirements

1 /

B. Treatment, disposal, or recycling subject to permitting requirements

1

C. Exempt treatment, disposal, or recycling

3

Sec.VII - Waste Minimization Activity during 1994 or 1995. Instruction pages 14, 15.

A. Did this site begin or expand a source reduction activity during 1994 or 1995?

- ☒ 1 Yes
☐ 2 No

B. Did this site begin or expand a recycling activity during 1994 or 1995?

- ☐ 1 Yes
☒ 2 No

C. Did this site systematically investigate opportunities for source reduction or recycling during 1994 or 1995?

- ☒ 1 Yes
☐ 2 No

D. Did any of the factors listed below delay or limit this site's ability to initiate new or additional source reduction activities in 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

- | Yes | No | |
|---------------------------------------|---------------------------------------|--|
| ☐ 1 | ☒ 2 | a. Insufficient capital to install new source reduction equipment or implement new source reduction practices |
| ☐ 1 | ☒ 2 | b. Lack of technical information on source reduction techniques applicable to the specific production processes |
| ☐ 1 | ☒ 2 | c. Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment |
| ☒ 1 | ☐ 2 | d. Concern that product quality may decline as a result of source reduction |
| ☐ 1 | ☒ 2 | e. Technical limitations of the production processes |
| ☐ 1 | ☒ 2 | f. Permitting burdens |
| ☐ 1 | ☒ 2 | g. Source reduction previously implemented - additional reduction does not appear to be technically feasible |
| ☒ 1 | ☐ 2 | h. Source reduction previously implemented - additional reduction does not appear to be economically feasible |
| ☐ 1 | ☒ 2 | i. Source reduction previously implemented - additional reduction does not appear to be feasible due to permitting requirements |
| ☐ 1 | ☒ 2 | j. Other (SPECIFY COMMENTS IN BOX BELOW) |

E. Did any of the factors listed below delay or limit the site's ability to initiate new or additional on-site or off-site recycling activities during 1994 or 1995? (CHECK YES OR NO FOR EACH ITEM)

- | Yes | No | | Yes | No | |
|----------------------------|---------------------------------------|---|---------------------------------------|---------------------------------------|--|
| ☐ 1 | ☒ 2 | a. Insufficient capital to install new recycling equipment or implement new recycling practice | ☐ 1 | ☒ 2 | g. Technical limitations of production processes inhibit shipments off-site for recycling |
| ☐ 1 | ☒ 2 | b. Lack of technical information on recycling techniques applicable to this site's specific production process | ☐ 1 | ☒ 2 | h. Technical limitations of production processes inhibit on-site recycling |
| ☐ 1 | ☒ 2 | c. Recycling is not economically feasible: cost savings in waste management will not recover the capital investment | ☐ 1 | ☒ 2 | i. Permitting burdens inhibit recycling |
| ☐ 1 | ☒ 2 | d. Concern that product quality may decline as a result of recycling | ☒ 1 | ☐ 2 | j. Lack of permitted off-site recycling facilities |
| ☐ 1 | ☒ 2 | e. Requirements to manifest wastes inhibit shipments of off-site for recycling | ☐ 1 | ☒ 2 | k. Unable to identify a market for recycled materials |
| ☐ 1 | ☒ 2 | f. Financial liability provisions inhibit shipments off-site for recycling | ☐ 1 | ☒ 2 | l. Recycling previously implemented - additional recycling does not appear to be technically feasible |
| | | | ☒ 1 | ☐ 2 | m. Recycling previously implemented - additional recycling does not appear to be economically feasible |
| | | | ☐ 1 | ☒ 2 | n. Recycling previously implemented - additional recycling does not appear to be feasible due to permitting requirements |
| | | | ☐ 1 | ☒ 2 | o. Other (SPECIFY COMMENTS IN BOX BELOW) |

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. RINSE WATERS FROM ELECTROPLATING OPERATIONS
CHARACTERISTICALLY HAZARDOUS FOR CHROME.

B. EPA hazardous waste code Page 19.

D007

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
Type M

F. Source code Page 20.

A22

G. Point of measurement
Page 20.

4

H. Form code
Page 20.

B107

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

96011647.7

B. Quantity generated in 1995
Page 21.

71654529.2

C. UOM
Page 21.

5 1.00
☐ 1 lb/gal ☒ 2 sg

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☒ 1 Yes (CONTINUE TO SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

M071

Quantity treated, disposed, or recycled on site
in 1995

71654529.2

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

M

Quantity treated, disposed, or recycled on site
in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☒ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

C. System type shipped to
Page 23.

M

D. Off-site
availability code
Page 23.

E. Total quantity shipped in 1995
Page 23.

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

C. System type shipped to
Page 23.

M

D. Off-site
availability code
Page 23.

E. Total quantity shipped in 1995
Page 23.

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☐ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W99 WNA
WNA WNA

C. Other effects Page 25.

☐ 1 Yes
☒ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

WNA

E. Activity/production
index Page 25.

0.5

F. 1995 source reduction quantity Page 25.

240000000.0

Comments: W99 - SHUT DOWN PROCESS

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJ D 002 353 951FORM
GMNEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. WASTEWATER TREATMENT SLUDGE

B. EPA hazardous waste code Page 19.

F0006

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429E. Origin code 5 Page 19System
Type M071

F. Source code Page 20.

A75G. Point of measurement
Page 20.1H. Form code
Page 20.B504

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.1079540.0B. Quantity generated in 1995
Page 21.826390.0C. UOM
Page 21.1 1 1
☐ 1 lb/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☒ 1 Yes (CONTINUE TO SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.M101Quantity treated, disposed, or recycled on site
in 1995826390.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.MQuantity treated, disposed, or recycled on site
in 19950.0

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.OKIP 065 438 376C. System type shipped to
Page 23.M111D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.826390.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.0.0C. System type shipped to
Page 23.MD. Off-site
availability code
Page 23.0E. Total quantity shipped in 1995
Page 23.0.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☐ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W99 WNA
WNA WNA

C. Other effects Page 25.

☐ 1 Yes
☒ 2 NoD. Quantity recycled in 1995 due to new activities
Page 25.NAE. Activity/production
index Page 25.0.5

F. 1995 source reduction quantity Page 26.

253000.0

Comments:

W99 - SHUT DOWN PROCESS

Attachment **Plating Sludge**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-03-95	NJA1904903
01-09-95	NJA1904904
01-09-95	NJA1904905
02-02-95	NJA1904928
02-15-95	NJA1904906
02-15-95	NJA1904925
02-17-95	NJA1904927
03-01-95	NJA1904907
03-14-95	NJA1904859
03-30-95	NJA1904940
03-30-95	NJA1904944
04-26-95	NJA1904943
04-26-95	NJA1850345
04-26-95	NJA1904876
05-01-95	NJA1904942
05-08-95	NJA1904946
06-08-95	NJA2161503
06-16-95	NJA2161504
06-16-95	NJA2161505
06-26-95	NJA2161507
06-26-95	NJA2161508
07-18-95	NJA2161509
08-01-95	NJA1904947
08-14-95	NJA2161519
08-22-95	NJA2161515
08-31-95	NJA2161516
09-15-95	NJA1904948
09-21-95	NJA2161506
09-29-95	NJA2161539
10-16-95	NJA2161540
11-01-95	NJA2161517

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

WASTE GENERATION
AND MANAGEMENTFORM
GM

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 002 353 951

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. CYANIDE ANODE FILTER BAGS FROM PLATING OPERATIONS

B. EPA hazardous waste code Page 19.

D1003 P1030

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429E. Origin code ☒ Page 19System
Type LM

F. Source code Page 20.

209G. Point of measurement
Page 20.1H. Form code
Page 20.B1310

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.3000.0B. Quantity generated in 1995
Page 21.1480.0C. UOM
Page 21.1

Density

☐ 1 lbs/gal ☐ 2 sq

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 19951480.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 19951480.0

Sec. III

A. Was any of this waste shipped off-site in 1995
Instruction page 22.☒ 1 Yes (CONTINUE TO BOX B)☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.N.J.D. 098 011 992C. System type shipped to
Page 23.LM125D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.1480.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.LMC. System type shipped to
Page 23.LMD. Off-site
availability code
Page 23.LME. Total quantity shipped in 1995
Page 23.LM

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☐ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W99 LM
LM LM

C. Other effects Page 25.

☐ 1 Yes☒ 2 NoD. Quantity recycled in 1995 due to new activities
Page 25.NAE. Activity/production
index Page 25.0.5

F. 1995 source reduction quantity Page 26.

1500.0Comments: W99 - SHUT DOWN PROCESS

Attachment **Cyanide Debris**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
02-28-95	MI3636511
03-28-95	MI2982033
05-24-95	MI3730050
11-02-95	MI3730051

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 0002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

COPPER CYANIDE SOLUTION - ONE TIME DISPOSAL OF
PLATING BATHS

B. EPA hazardous waste code Page 19.

P030

C. State hazardous waste code Page 19.

N/A

D. SIC code Page 19.

3429

E. Origin code 2 Page 19

System
Type LM

F. Source code Page 20.

156

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

107

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

B. Quantity generated in 1995
Page 21.

2648.0

C. UOM
Page 21.

5 1 30

☐ 1 lbs/gal ☒ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)

☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

2648.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

2648.0

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

M1D 098 011 992

C. System type shipped to
Page 23.

LM072

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

2648.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

LM

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

LM

E. Total quantity shipped in 1995
Page 23.

LM

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes

☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

LM

E. Activity/production/
index Page 25.

LM

F. 1995 source reduction quantity Page 26.

LM

Comments:

Attachment **Cyanide Solution**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

08-21-95	MI4164723
----------	-----------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

N.J.D. 0002 353 951FORM
GMNEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

CHROME CONTAMINATED DEBRIS FROM ELECTROPLATING
OPERATIONS

B. EPA hazardous waste code Page 19.

P0007

C. State hazardous waste code Page 19.

N/A

D. SIC code Page 19.

3429E. Origin code 1 Page 19

System

Type LM

F. Source code Page 20.

A59G. Point of measurement
Page 20.1H. Form code
Page 20.B319

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.100.0B. Quantity generated in 1995
Page 21.3800.0C. UDM
Page 21.1

Density

☐ 1 lbs/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 1995100.0On-site process system type
Page 22.LMQuantity treated, disposed, or recycled on site
in 19953800.0

Sec. III

A. Was any of this waste shipped off-site in 1995
Instruction page 22.☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.MID 098 011 992C. System type shipped to
Page 23.LM 129D. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.3800.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.LM 129C. System type shipped to
Page 23.LMD. Off-site
availability code
Page 23.1E. Total quantity shipped in 1995
Page 23.3800.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes
☐ 2 NoD. Quantity recycled in 1995 due to new activities
Page 25.100.0E. Activity/production
index Page 25.1 1

F. 1995 source reduction quantity Page 26.

100.0

Comments:

THIS WASTE STREAM INCLUDES 3700# OF DEBRIS FROM SHUTTING DOWN
THE PLATING OPERATIONS.

Attachment **Chrome Debris**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

08-15-95	MI4164724
----------	-----------

12-19-95	MI3730055
----------	-----------

Attachment **Oily Debris**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-09-95	NJA1904898
02-15-95	NJA1850350
03-31-95	NJA1904919
04-27-95	NJA1904912
05-16-95	NJA1904916
06-13-95	NJA1904918
07-24-95	NJA1904917
08-03-95	NJA2161524
09-01-95	NJA2161523
09-15-95	NJA2161536
09-15-95	NJA2161538
09-27-95	NJA2161537
10-17-95	NJA2161535
11-29-95	NJA2270259

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJ D 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

HYDRAULIC OIL DESTINE FOR RECYCLING

B. EPA hazardous waste code Page 19.

N/A

C. State hazardous waste code Page 19.

X 726

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System

Type LM

F. Source code Page 20.

254

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

206

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

3650.0

B. Quantity generated in 1995
Page 21.

11505.0

C. UOM
Page 21.

5

Density

0.90

☐ 1 lbs/gal ☒ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)

☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

11505.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

11505.0

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

PAD 987 266 715

C. System type shipped to
Page 23.

LM 032

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

11505.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

LM

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

11505.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes

☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

11505.0

E. Activity/production
index Page 25.

1

F. 1995 source reduction quantity Page 26.

11505.0

Comments:

MOB2 - OIL RECLAIM

OF SEC. III E AND SEC. II B 7,655 GAL. WERE DUE TO EQUIPMENT SHUT DOWN

Attachment Recycled Oil

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-26-95	NJA1934354
03-02-95	NJA2052234
03-14-95	NJA1965229
05-01-95	NJA2052256
05-04-95	NJA2052259
05-24-95	NJA2052150
06-27-95	NJA2052172
06-29-95	NJA2052176
09-13-95	NJA2052318
09-14-95	NJA1965261
10-05-95	NJA1965183
12-07-95	NJA2052309

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ, D, 002, 353, 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - instruction page 18. SPENT METHYLENE CHLORIDE / GLUE MIXTURE FROM BODY SIDE
MOLDING OPERATIONS

B. EPA hazardous waste code Page 19.

F1002 F1005
D001 D007

C. State hazardous waste code Page 19.

N/A

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
Type LM

F. Source code Page 20.

A29

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B204

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

1907.0

B. Quantity generated in 1995
Page 21.

1092.0

C. UOM
Page 21.

1
☐ 1 lbs/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

NJ, D, 002, 189, 897

C. System type shipped to
Page 23.

M1027

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

 492.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

SCD, 044, 442, 333

C. System type shipped to
Page 23.

M1041

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

 1600.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☐ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W99 WNA
WNA WNA

C. Other effects Page 25.

☐ 1 Yes
☒ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

 N/A

E. Activity/production
index Page 25.

0.8

F. 1995 source reduction quantity Page 26.

 400.0

Comments: W99 - SHUT DOWN SOME OF PROCESS LINES

Attachment MC & Adhesive

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

06-30-95	NJA2058921
----------	------------

12-11-95	SC00015
----------	---------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. GLUE PADS - SPENT ADHESIVE APPLICATION DEBRIS

B. EPA hazardous waste code Page 19.

D001 D007

F002 F005

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
Type LM

F. Source code Page 20.

129

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B1407

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

200.0

B. Quantity generated in 1995
Page 21.

290.0

C. UOM
Page 21.

1
☐ 1 lbs/gal ☐ 2 sg

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☒ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

SICD 044 442 333

C. System type shipped to
Page 23.

M 043

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

 200.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

E. Total quantity shipped in 1995
Page 23.

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

E. Activity/production
index Page 25.

F. 1995 source reduction quantity Page 26.

Comments:

Attachment **Glue Pads**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

08-08-95	SC00014
----------	---------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJ D 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. PARTS WASHER - SPENT SOLVENT

B. EPA hazardous waste code Page 19.

D001 D018

D039

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429

E. Origin code Page 19

System
Type LM

F. Source code Page 20.

A05

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B211

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

893.0

B. Quantity generated in 1995
Page 21.

967.0

C. UOM
Page 21.

5 10.95
1 lbs/gal X 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer (POTW)? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

P1A D 987 266 715

C. System type shipped to
Page 23.

M029

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

967.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

E. Total quantity shipped in 1995
Page 23.

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

E. Activity/production
index Page 25.

F. 1995 source reduction quantity Page 26.

Comments:

Attachment **Parts Washer**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-05-95	PAE1904906
02-01-95	PAE1942183
02-28-95	PAE3981401
03-30-95	PAE3977142
04-27-95	PAE4005131
05-18-95	PAE3877451
05-25-95	PAE3824004
06-21-95	PAE3812200
07-10-95	PAE3728340
07-18-95	PAE3731722
08-14-95	PAE3697923
08-14-95	PAE3641256
09-12-95	PAE3995832
10-13-95	PAE3661674
11-07-95	PAE3604101
12-06-95	PAE3581163

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 0012 353 9151

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - instruction page 18. ELD FILTER BAGS FROM WATERBASED PAINT SYSTEM

B. EPA hazardous waste code Page 19.

TA01018

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
Type LM

F. Source code Page 20.

A21

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B3110

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

17,700.0

B. Quantity generated in 1995
Page 21.

17,000.0

C. UDM
Page 21.

1 1 1 1 1
☐ 1 lbs/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

17,700.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

17,000.0

Sec. III

A. Was any of this waste shipped off-site in 1995
Instruction page 22.

☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

01KD 065 438 376

C. System type shipped to
Page 23.

M1111

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

17,000.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

1 1 1 1 1 1 1 1 1 1

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

1 1 1 1 1 1 1 1 1 1

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☐ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W52 W 1 1 1
W 1 1 1 1

C. Other effects Page 25.

☐ 1 Yes
☒ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

NA

E. Activity/production
index Page 25.

10.7

F. 1995 source reduction quantity Page 26.

2,000.0

Comments:

Attachment Elpo Filter Bags

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
03-13-95	NJA1904939
04-24-95	NJA1904949
08-14-95	NJA2161529
10-17-95	NJA2161546
12-11-95	NJA2270263

Attachment **Oven Ash**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
08-14-95	NJA2161534
12-11-95	NJA2270263

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 0002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. WASTE LUBRICATING GREASE FROM ASSEMBLY OPERATIONS - LEAD

B. EPA hazardous waste code Page 19. <u>D008</u>		C. State hazardous waste code Page 19. <u>NA</u>			
D. SIC code Page 19. <u>3429</u>	E. Origin code <u>1</u> Page 19 System Type <u>LM</u>	F. Source code Page 20. <u>A49</u>	G. Point of measurement Page 20. <u>1</u>	H. Form code Page 20. <u>B605</u>	I. RCRA - radioactive mixed Page 20. <u>2</u>

Sec. II A. Quantity generated in 1994 Instruction Page 21. <u>16600.0</u>	B. Quantity generated in 1995 Page 21. <u>31050.0</u>	C. UOM Page 21. <u>1</u> ☐ 1 lb/gal ☐ 2 sq	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21. ☐ 1 Yes (CONTINUE TO SYSTEM 1) ☒ 2 No (SKIP TO SEC. III)
ON-SITE PROCESS SYSTEM 1 On-site process system type Page 22. <u>LM</u> Quantity treated, disposed, or recycled on site in 1995 <u>0</u>		ON-SITE PROCESS SYSTEM 2 On-site process system type Page 22. <u>LM</u> Quantity treated, disposed, or recycled on site in 1995 <u>0</u>	

Sec. III A. Was any of this waste shipped off-site in 1995 Instruction page 22. ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)				
Site 1	B. EPA ID No. of facility waste was shipped to Page 23. <u>PAD 085 690 592</u>	C. System type shipped to Page 23. <u>M141</u>	D. Off-site availability code Page 23. <u>1</u>	E. Total quantity shipped in 1995 Page 23. <u>31050.0</u>
Site 2	B. EPA ID No. of facility waste was shipped to Page 23. <u></u>	C. System type shipped to Page 23. <u>LM</u>	D. Off-site availability code Page 23. <u></u>	E. Total quantity shipped in 1995 Page 23. <u></u>

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B) Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)				
B. Activity Page 24. <u>LM</u>	C. Other effects Page 25. ☐ 1 Yes ☐ 2 No	D. Quantity recycled in 1995 due to new activities Page 25. <u></u>	E. Activity/production index Page 25. <u></u>	F. 1995 source reduction quantity Page 26. <u></u>

Comments:

Attachment **Leaded Grease**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-30-95	PAE1834475
05-18-95	PAE4139155
08-16-95	PAE4255506
12-07-95	PAE4398870

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 0012 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. BOILER SOOT FROM POWERHOUSE

B. EPA hazardous waste code Page 19.

D007

C. State hazardous waste code Page 19.

NA

D. SIC code Page 19.

3429

E. Origin code ☒ Page 19

System
Type LM

F. Source code Page 20.

A08

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B304

I. RCRA - radioactive mixed Page 20.

2

Sec. II A. Quantity generated in 1994
Instruction Page 21.

6150.0

B. Quantity generated in 1995
Page 21.

4500.0

C. UOM
Page 21.

1

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

4500.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

4500.0

Sec. III A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

01KD 065 438 376

C. System type shipped to
Page 23.

LM 1111

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

4500.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

LM 1111

C. System type shipped to
Page 23.

LM 1111

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

4500.0

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LW

LW

C. Other effects Page 25.

☐ 1 Yes

☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

4500.0

E. Activity/production
index Page 25.

1

F. 1995 source reduction quantity Page 26.

4500.0

Comments:

Attachment **Boiler Soot**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
08-14-95	NJA2161529
10-17-95	NJA2161546

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 002 353 951

NEW JERSEY DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
 GM

WASTE GENERATION
 AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. WASTE THINNER - MINERAL SPIRITS

B. EPA hazardous waste code Page 19.

P001

C. State hazardous waste code Page 19.

N.A.

D. SIC code Page 19.

3429

E. Origin code ☒ Page 19

System
 Type LM

F. Source code Page 20.

A05

G. Point of measurement
 Page 20.

1

H. Form code
 Page 20.

B203

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
 Instruction Page 21.

165.0

B. Quantity generated in 1995
 Page 21.

110.0

C. UOM
 Page 21.

5 0.90
☒ 1 lbs/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

110.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

110.0

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)
 Instruction page 22.

Site 1

B. EPA ID No. of facility waste was shipped to
 Page 23.

P.A.D. 085 690 592

C. System type shipped to
 Page 23.

LM 141

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

110.0

Site 2

B. EPA ID No. of facility waste was shipped to
 Page 23.

LM

C. System type shipped to
 Page 23.

LM

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

110.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
☒ 2 No (THIS FORM IS COMPLETE)
 Instruction page 24.

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
 Page 25.

110.0

E. Activity/production
 index Page 25.

1

F. 1995 source reduction quantity Page 26.

110.0

Comments:

Attachment **Mineral Spirits**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
05-18-95	PAE4139155
12-07-95	PAE4398870

Attachment **Buffing Media**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
01-09-95	NJA1904908
05-08-95	NJA1904909

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR & LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 002 353 951

NEW JERSEY DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
 GM

WASTE GENERATION
 AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18.

TITE-R-BOND, OUT DATED MATERIAL

B. EPA hazardous waste code Page 19.

F001

C. State hazardous waste code Page 19.

NH

D. SIC code Page 19.

3429

E. Origin code 1 Page 19
 System
 Type LM

F. Source code Page 20.

A56

G. Point of measurement
 Page 20.

1

H. Form code
 Page 20.

B202

I. RCRA - radioactive mixed Page 20.

3

Sec. II

A. Quantity generated in 1994
 Instruction Page 21.

NA

B. Quantity generated in 1995
 Page 21.

29,750

C. UOM
 Page 21.

1

Density

☐ 1 lbs/gal ☐ 2 sq

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM I)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

29,750

ON-SITE PROCESS SYSTEM 2

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

29,750

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
 Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
 Page 23.

NJ D 002 182 897

C. System type shipped to
 Page 23.

M061

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

29,750

Site 2

B. EPA ID No. of facility waste was shipped to
 Page 23.

LM

C. System type shipped to
 Page 23.

LM

D. Off-site
 availability code
 Page 23.

LM

E. Total quantity shipped in 1995
 Page 23.

LM

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
 Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
 Page 25.

LM

E. Activity/production
 index Page 25.

LM

F. 1995 source reduction quantity Page 26.

LM

Comments:

Attachment TITE - R - BOND

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

02-01-95	NJA1966879
----------	------------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 002 353 951

NEW JERSEY DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
 GM

WASTE GENERATION
 AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. LAB PACK

B. EPA hazardous waste code Page 19.

L A B P N A
N A N A N A

C. State hazardous waste code Page 19.

N A

D. SIC code Page 19.

31429

E. Origin code L Page 19

System
 Type L M

F. Source code Page 20.

299

G. Point of measurement
 Page 20.

1

H. Form code
 Page 20.

B003

I. RCRA - radioactive mixed Page 20.

2

Sec. II A. Quantity generated in 1994
 Instruction Page 21.

B. Quantity generated in 1995
 Page 21.

1
1655.0

C. UOM
 Page 21.

1 lb/gal
☐ 1 lb/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
 Page 22.

L M

Quantity treated, disposed, or recycled on site
 in 1995

1655.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
 Page 22.

L M

Quantity treated, disposed, or recycled on site
 in 1995

1655.0

Sec. III A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
 Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
 Page 23.

M D D 980 555 189

C. System type shipped to
 Page 23.

M 125

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

1655.0

Site 2

B. EPA ID No. of facility waste was shipped to
 Page 23.

M D D 980 554 653

C. System type shipped to
 Page 23.

L M

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

1005.0

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
 Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

L M L M
L M L M

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
 Page 25.

1655.0

E. Activity/production
 index Page 25.

1

F. 1995 source reduction quantity Page 26.

1655.0

Comments:
A-99 Small Quantities of Materials collected for a LAB PACK
M-125 VARIOUS TREATMENTS FOR LAB PACK

Attachment **Lab Pack**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
03-31-95	MDC0527096
06-15-95	MDC0540614

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJ.D. 010.2 35.3 9.5.1

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. PCB CONTAMINATED PPE + DEBRIS

B. EPA hazardous waste code Page 19.

NA

C. State hazardous waste code Page 19.

X751

D. SIC code Page 19.

3429

E. Origin code Page 19

System 1
Type LM

F. Source code Page 20.

A93

G. Point of measurement Page 20.

1

H. Form code Page 20.

B407

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
Instruction Page 21.

NA

B. Quantity generated in 1995
Page 21.

453.0

C. UOM Page 21.

3 lbs/gal
☐ 1 lbs/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type Page 22.

LM

Quantity treated, disposed, or recycled on site in 1995

453.0

ON-SITE PROCESS SYSTEM 2

On-site process system type Page 22.

LM

Quantity treated, disposed, or recycled on site in 1995

0

Sec. III

A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to Page 23.

PAD 981 113 749

C. System type shipped to Page 23.

LM 141

D. Off-site availability code Page 23.

1

E. Total quantity shipped in 1995 Page 23.

272.0

Site 2

B. EPA ID No. of facility waste was shipped to Page 23.

UTD 991 301 748

C. System type shipped to Page 23.

LM 132

D. Off-site availability code Page 23.

1

E. Total quantity shipped in 1995 Page 23.

181.0

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities Page 25.

0

E. Activity/production index Page 25.

0

F. 1995 source reduction quantity Page 26.

0

Comments:

B 407 PCB CONTAMINATED PPE AND DEBRIS

Attachment **PCB Contaminated PPE & Debris**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

07-27-95	NJA1385910
----------	------------

08-14-95	NJA2161531
----------	------------

Attachment PCB Oil from Retrofill

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

07-27-95	NJA1385910
----------	------------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 002 353 951

NEW JERSEY DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
 GM

WASTE GENERATION
 AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description - Instruction page 18. PCB TRANSFORMER OIL

B. EPA hazardous waste code Page 19.

N.A.

C. State hazardous waste code Page 19.

X750

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
 Type LM

F. Source code Page 20.

A93

G. Point of measurement
 Page 20.

1

H. Form code
 Page 20.

B217

I. RCRA - radioactive mixed Page 20.

2

Sec. II

A. Quantity generated in 1994
 Instruction Page 21.

B. Quantity generated in 1995
 Page 21.

9024.0

C. UOM
 Page 21.

3

☐ 1 lbs/gal ☐ 2 sq

Density

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

9024.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
 Page 22.

LM

Quantity treated, disposed, or recycled on site
 in 1995

9024.0

Sec. III

A. Was any of this waste shipped off-site in 1995
 Instruction page 22.

☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
 Page 23.

PAD 981 113 249

C. System type shipped to
 Page 23.

LM141

D. Off-site
 availability code
 Page 23.

1

E. Total quantity shipped in 1995
 Page 23.

9024.0

Site 2

B. EPA ID No. of facility waste was shipped to
 Page 23.

LM

C. System type shipped to
 Page 23.

LM

D. Off-site
 availability code
 Page 23.

LM

E. Total quantity shipped in 1995
 Page 23.

LM

Sec. IV

A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
 Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
 Page 25.

LM

E. Activity/production
 index Page 25.

LM

F. 1995 source reduction quantity Page 25.

LM

Comments:

8219 PCB LIQUID FROM TRANSFORMER

Attachment PCB Transformer Oil

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

07-27-95	NJA1385910
----------	------------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: N.J.D. 0002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. PCB TRANSFORMER - DRAINED

B. EPA hazardous waste code Page 19.

NA

C. State hazardous waste code Page 19.

X752

D. SIC code Page 19.

3429

E. Origin code 1 Page 19
System
Type LM

F. Source code Page 20.

A93

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B407

I. RCRA - radioactive mixed Page 20.

2

Sec. II A. Quantity generated in 1994
Instruction Page 21.

B. Quantity generated in 1995
Page 21.

9091.0

C. UOM
Page 21.

3

Density

1 lbs/gal 2 sq

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

9091.0

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

9091.0

Sec. III A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

PAD 981 113 749

C. System type shipped to
Page 23.

LM 141

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

9091.0

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

LM

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

9091.0

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

W W
W W

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

9091.0

E. Activity/production
index Page 25.

1

F. 1995 source reduction quantity Page 26.

9091.0

Comments: B-407 PCB CONTAMINATED ELECTRICAL EQUIPMENT

Attachment **PCB Transformer**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

07-27-95	NJA1385910
----------	------------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR + LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
GM

WASTE GENERATION
AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 16 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description - Instruction page 18. PCB CAPACITORS

B. EPA hazardous waste code Page 19.

NA

C. State hazardous waste code Page 19.

X 753

D. SIC code Page 19.

3429

E. Origin code 1 Page 19

System
Type LM

F. Source code Page 20.

A 93

G. Point of measurement
Page 20.

1

H. Form code
Page 20.

B 219

I. RCRA - radioactive mixed Page 20.

2

Sec. II A. Quantity generated in 1994
Instruction Page 21.

NA

B. Quantity generated in 1995
Page 21.

2257.2

C. UOM Density
Page 21.

3
☐ 1 lbs/gal ☐ 2 sg

D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 21.

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☒ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

2257.2

ON-SITE PROCESS SYSTEM 2

On-site process system type
Page 22.

LM

Quantity treated, disposed, or recycled on site
in 1995

2257.2

Sec. III A. Was any of this waste shipped off-site in 1995 ☒ 1 Yes (CONTINUE TO BOX B)
Instruction page 22. ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to
Page 23.

UT D 991 301 748

C. System type shipped to
Page 23.

LM 041

D. Off-site
availability code
Page 23.

1

E. Total quantity shipped in 1995
Page 23.

2257.2

Site 2

B. EPA ID No. of facility waste was shipped to
Page 23.

LM

C. System type shipped to
Page 23.

LM

D. Off-site
availability code
Page 23.

LM

E. Total quantity shipped in 1995
Page 23.

LM

Sec. IV A. Did new activities in 1995 result in minimization of this waste? ☐ 1 Yes (CONTINUE TO BOX B)
Instruction page 24. ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity Page 24.

LM LM
LM LM

C. Other effects Page 25.

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1995 due to new activities
Page 25.

LM

E. Activity/production
index Page 25.

LM

F. 1995 source reduction quantity Page 26.

LM

Comments:

B-219 PCB LIQUID IN CAPACITOR

Attachment **PCB Capacitors**

Attach a list of hazardous waste manifests for this form. The list must include the uniform hazardous waste manifest document number and the date of the shipment. The back of Form GM may be used for this purpose.

Date	Manifest Number
------	-----------------

11-01-95	NJA2161549
----------	------------

12-11-95	NJA2270264
----------	------------

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJ D 002 353 751

FORM
PS

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

WASTE TREATMENT,
DISPOSAL, OR RECYCLING
PROCESS SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 33 of the 1995 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste treatment, disposal, or recycling system description
Instruction Page 38.

B. System type
Page 38.

M 0711

C. Regulatory status
Page 39.

02

D. Operational status
Page 39.

01

E. Unit types
Page 39.

01 11

Sec. II

A. 1995 influent quantity
Instruction page 40.

Total 71654529.2 UOM 5 Density 1.00
RCRA 71654529.2 ☐ 1 lbs/gal ☒ 2 sg

B. Maximum operational capacity
Page 41.

Total 12500000.0
RCRA 12500000.0

C. 1995 liquid effluent quantity
Instruction page 42.

Total 71654529.2 UOM 5 Density 1.00
RCRA 71654529.2 ☐ 1 lbs/gal ☒ 2 sg

D. 1995 solid/sludge residual quantity
Page 43.

Total 826390.0 UOM 1 Density 1.00
RCRA 826390.0 ☐ 1 lbs/gal ☐ 2 sg

E. Limitation on maximum operational capacity
Page 43.

1. 01 2. 05 3. 11

F. Commercial capacity availability code
Page 43.

1

G. Percent capacity commercially available
Page 43.

10 %

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATIONEPA ID NO: NJ 002 353 951NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
01OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>01H</u> <u>009</u> <u>865</u> <u>825</u>	B. Name of off-site installation or transporter <u>DART TRUCKING CO., INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street <u>61 RAIL ROAD STREET</u> City <u>CANFIELD</u> State <u>01H</u> Zip <u>44406</u>	

Site 2	A. EPA ID No. of off-site installation or transporter <u>M1</u> <u>098</u> <u>011</u> <u>992</u>	B. Name of off-site installation or transporter <u>CYANO KEM, INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>12381 SCHAEFER HWY</u> City <u>DETROIT</u> State <u>M1</u> Zip <u>48227</u>	

Site 3	A. EPA ID No. of off-site installation or transporter <u>NJ</u> <u>002</u> <u>182</u> <u>897</u>	B. Name of off-site installation or transporter <u>SAFETY KLEEN CORP</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>1200 SYLVAN STREET</u> City <u>LINDEN</u> State <u>NJ</u> Zip <u>07036</u>	

Site 4	A. EPA ID No. of off-site installation or transporter <u>ND</u> <u>000</u> <u>351</u> <u>270</u>	B. Name of off-site installation or transporter <u>USPCI ECHO MOUNTAIN</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>1 MILE WEST OF WARD COUNTY HWY</u> <u>No. 23 ON COUNTY RD. No 20 PO Box 168</u> City <u>SAWYER</u> State <u>ND</u> Zip <u>58781</u>	

Site 5	A. EPA ID No. of off-site installation or transporter <u>UT</u> <u>991</u> <u>301</u> <u>748</u>	B. Name of off-site installation or transporter <u>USPCI GRASSY MOUNTAIN</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>3 MI. EAST, 7 MI. NORTH OF EXIT 41 OFF I-80</u> City <u>CLIVE</u> State <u>UT</u> Zip <u>NONE</u>	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJID 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
01OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>PAID 065 438 376</u>	B. Name of off-site installation or transporter <u>CONRAIL</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	
Site 2	A. EPA ID No. of off-site installation or transporter <u>MIND 048 341 788</u>	B. Name of off-site installation or transporter <u>BURLINGTON NORTHERN</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	
Site 3	A. EPA ID No. of off-site installation or transporter <u>ARID 981 908 551</u>	B. Name of off-site installation or transporter <u>JB HUNT SPECIAL COMMODITIES, INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street <u>PO Box 130</u> City <u>LOWEL</u> State <u>MA</u> Zip <u>01217</u>	
Site 4	A. EPA ID No. of off-site installation or transporter <u>OKID 065 438 376</u>	B. Name of off-site installation or transporter <u>USPC1 LONE MOUNTAIN</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>RR #2 Box 170</u> City <u>WAYNOKA</u> State <u>OK</u> Zip <u>73160</u>	
Site 5	A. EPA ID No. of off-site installation or transporter <u>PAID 014 146 179</u>	B. Name of off-site installation or transporter <u>ELDREDGE</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street <u>898 FERNHILL ROAD</u> City <u>WEST CHESTER</u> State <u>PA</u> Zip <u>19380</u>	
Comments:		

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: DELPHI INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO: NJID 002 353 951

FORM
01OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>NJID 054 126 164</u>	B. Name of off-site installation or transporter <u>FREEHOLD CARTAGE, INC.</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street <u>825 HWY 33E</u> City <u>FREEHOLD</u> State <u>NJ</u> Zip <u>07728</u>	
Site 2	A. EPA ID No. of off-site installation or transporter <u>SICD 044 442 333</u>	B. Name of off-site installation or transporter <u>THERMALKEM, INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>2324 VERNESDALE ROAD</u> City <u>ROCK HILL</u> State <u>SIC</u> Zip <u>29730</u>	
Site 3	A. EPA ID No. of off-site installation or transporter <u>PAD 085 690 592</u>	B. Name of off-site installation or transporter <u>REPUBLIC ENVIRONMENTAL SYSTEMS (PA)</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☒ TSDR	D. Address of off-site installation Street <u>2869 SANDSTONE DRIVE</u> City <u>HATFIELD</u> State <u>PA</u> Zip <u>19440</u>	
Site 4	A. EPA ID No. of off-site installation or transporter <u>PAD 982 661 381</u>	B. Name of off-site installation or transporter <u>REPUBLIC ENV SYS (TRANS GROUP)</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	
Site 5	A. EPA ID No. of off-site installation or transporter <u>OAD 068 913 409</u>	B. Name of off-site installation or transporter <u>WILLS TRUCKING</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street <u>175 E. US 20 SUITE 8</u> City <u>CHESTERTON</u> State <u>IN</u> Zip <u>46304</u>	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELTA INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJID 002 353 951FORM
01NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>MID 980 554 653</u>	B. Name of off-site installation or transporter <u>LADLAW ENVIRONMENTAL SERVICES (TS) INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☒ TSDR	D. Address of off-site installation Street <u>3527 WHISKEY BOTTOM ROAD</u> City <u>LAUREL</u> State <u>MD</u> Zip <u>210724</u> - <u>1111</u>	
Site 2	A. EPA ID No. of off-site installation or transporter <u>MID 039 322 250</u>	B. Name of off-site installation or transporter <u>CLEAN HARBOURS ENV. SERVICES, INC.</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	
Site 3	A. EPA ID No. of off-site installation or transporter <u>MID 980 555 189</u>	B. Name of off-site installation or transporter <u>CLEAN HARBOURS OF BALTIMORE, INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>910 RUSSEL STREET</u> City <u>BALTIMORE</u> State <u>MD</u> Zip <u>211230</u> - <u>1111</u>	
Site 4	A. EPA ID No. of off-site installation or transporter <u>MD 984 908 202</u>	B. Name of off-site installation or transporter <u>SAFETY KLEEN CORP</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	
Site 5	A. EPA ID No. of off-site installation or transporter <u>PAID 987 266 715</u>	B. Name of off-site installation or transporter <u>SAFETY KLEEN CORP</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>71 CANAL ROAD</u> City <u>FAIRLESS HILLS</u> State <u>PA</u> Zip <u>19030</u> - <u>1111</u>	

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME:

DELPAI INTERIOR LIGHTING SYSTEMS
GENERAL MOTORS CORPORATION

EPA ID NO:

NJID 002 353 951

NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION

1995 Hazardous Waste Report

FORM
01

OFF-SITE
IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the reverse side before completing this form.

Site 1	A. EPA ID No. of off-site installation or transporter <u>PIAD 981 113 749</u>	B. Name of off-site installation or transporter <u>PPM, INC</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☒ TSDR	D. Address of off-site installation Street <u>4105 WHITAKER AVE</u> City <u>PHILADELPHIA</u> State <u>PA</u> Zip <u>19124</u>	

Site 2	A. EPA ID No. of off-site installation or transporter <u>TXD 988 052 494</u>	B. Name of off-site installation or transporter <u>USDCI</u>
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☒ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	

Site 3	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	

Site 4	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	

Site 5	A. EPA ID No. of off-site installation or transporter _____	B. Name of off-site installation or transporter _____
C. Handler type (CHECK ALL THAT APPLY) ☐ Generator ☐ Transporter ☐ TSDR	D. Address of off-site installation Street _____ City _____ State _____ Zip _____	

Comments:

COMMUNITY RIGHT TO KNOW SURVEY FOR 1996

For State and Federal Community Right to Know Reporting

Please type this form.

THIS PAGE MUST BE COMPLETED, SIGNED, AND RETURNED.

(A)

FACILITY LOCATION

0 0 0 0 4 0 1 0 0 0 2

3 4 2 9

0 0 0 0 4 0 1 0 0 0 2

1 1 0 2

ATTN: TERRY MARQUIS
GENERAL MOTORS CORP
DELPHI INTERIOR & LIGHTING SYSTEMS
1445 PARKWAY AVE.
TRENTON, NJ 08650

1445 PARKWAY AVE., EWING TWP

See instructions if information on these forms is incorrect.

(B) Does this facility Produce, Store or Use any Environmental Hazardous Substances listed on Table A: 1. in any quantity? 2. above thresholds?	Yes ☒	No ☐	(D) Number of employees at facility = 1100 854
	☒	☐	(E) Number of facilities in New Jersey 3
(C) Briefly describe the nature of the operations or business conducted at this facility: Manufacturer of Automotive Hardware			(F) Federal EIN 38-0572515
(G) If you are claiming an R&D lab exemption for <u>this facility</u> , enter your approval number here.			
(H) Check box if facility is reporting pursuant only to Section 312 of the Federal Emergency Planning and Community Right to Know Act (EPCRA/SARA, Title III) ☒			
(I) FACILITY EMERGENCY CONTACT Name ROY J. CURLEY Title SUPT PLANT ENGNRING Facility Phone Number (609) 771-6325 Emergency Contact Phone Number (609) 771-6332			

☒

NOTE: Check box only if the facility information in boxes A, D, E, I or J has changed since your last submittal.

(Electronic Submittal Only)

Password _____

(J) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE — I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.			
Signature <u>Terry L. Marquis</u>	Date <u>2/27/97</u>	Fax # (609) 771-6580	Phone # (609) 771-6210
Name <u>Terry L. Marquis</u>	Title <u>Plant Manager</u>		

RETURN SIGNED ORIGINAL TO
NJDEP
Community Right To Know Survey
CN 405
Trenton, NJ 08625-0405

You are required to send copies of this survey to the agencies
listed on Page 23 of the instruction guide. You must also keep
a copy at your facility.

00004010002

1102

PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>CYCLOHEXYLAMINE</u> Substance Number: <u>0576</u> CAS Number: <u>108-91-8</u> DOT Number: <u>2357</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>POWER HOUSE - ULTRAMINE 120</u>		
Name: <u>PYRENE</u> Substance Number: <u>1024</u> CAS Number: <u>129-00-0</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE USE PLANT WIDE - CTP-1 COAL TAR PITCH</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>WASTE TRATMENT LAB - AMMONIUM MOLYBDATE SOLUTION</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure (X) or Mixture () Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PLANT WIDE USE - BATTERY ELECTROLYTE</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure (X) or Mixture () Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PROCESS LAB</u>		

CONTAINER CODES AND DESCRIPTIONS	INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
BA Bag	11 11 to 100 pounds	
BX Box	10 1 to 10 pounds	
CY Cylinder	09 Less than 1 pound	
BG Bottles or jugs (glass)		
BP Bottles or jugs (plastic)		
BN Tote bin		
TW Tank Wagon		
RC Railcar		
OT Other (Describe)		

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1 1 0 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER - MACPI ATE I-35</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BP</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE USE PLANT WIDE - DRAIN CLEANER</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure (X) or Mixture () Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PROCESS AND WASTE TREATMENT LABS.</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>POWER HOUSE LAB.</u>		
Name: <u>SULFURIC ACID</u> Substance Number: <u>1761</u> CAS Number: <u>7664-93-9</u> DOT Number: <u>1830</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>ELPO PAINT LAB - SULFURIC ACID SOLUTIONS</u>		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>SULFURIC ACID</u>	☐ Fire	Container Type <u>BP</u>
Substance Number: <u>1761</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7664-93-9</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1830</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - SUPER REAM II</u>	

Name: <u>SULFURIC ACID</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1761</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7664-93-9</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1830</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>ELPO LAB - TEST SOLUTION #12</u>	

Name: <u>SULFURIC ACID</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1761</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7664-93-9</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1830</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>ELPO LAB. - TEST SOLUTION #13</u>	

Name: <u>SULFURIC ACID</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1761</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7664-93-9</u>	☒ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1830</u>	☒ Acute health effects	Days on site <u>180</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PHOSPHATER - MACDERMID XD-2082-T</u>	

Name: <u>NITRIC ACID</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1356</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>7697-37-2</u>	☒ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>2031</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA AND BARREL SOCK - HEAT EXCHANGER CLEANER</u>	

CONTAINER CODES AND DESCRIPTIONS	INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	19 1 000 001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
BA Bag	11 11 to 100 pounds	
BX Box	10 1 to 10 pounds	
CY Cylinder	09 Less than 1 pound	
BG Bottles or vials (glass)		
BP Bottles or vials (plastic)		
BN Tote bin		
TW Tank Wagon		
RC Railcar		
OT Other (Describe)		

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>NITRIC ACID</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1356</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7697-37-2</u>	☒ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>2031</u>	☒ Acute health effects	Days on site <u>180</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PHOSPHATER - MACPLATE I-35</u>	
Name: <u>NITRIC ACID</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1356</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7697-37-2</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2031</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PROCESS LAB.</u>	
Name: <u>NITRIC ACID</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1356</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7697-37-2</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2031</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>WASTE TREATMENT LAB - PPB-1 PRESERVATION SOLUTION</u>	
Name: <u>BARIUM CARBOXYLATE</u>	☐ Fire	Container Type <u>DS</u>
Substance Number: <u>2146</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>N040</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1546</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PLANT WIDE USE - MOBILFLUID 350 LUBRICANT</u>	
Name: <u>CHROMIUM (VI) OXIDE (1:3)</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>2245</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1333-82-0(N090)</u>	☒ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA PHOSPHATER AND BARREL STOCK -CHEMSEAL 20</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>CHROMIC ACID</u> Substance Number: <u>2245</u> CAS Number: <u>11115-74-5 (N090)</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT AREA PHOSPHATER - CHEMSEAL 20</u>		
Name: <u>CHROMIC ACID</u> Substance Number: <u>2245</u> CAS Number: <u>N090</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER - METASEAL CONCENTRATE</u>		
Name: <u>COPPER (II) SULFATE (1:1)</u> Substance Number: <u>2215</u> CAS Number: <u>N100</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid (X) Liquid () or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DS</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER - CLEPO 569NA</u>		
Name: <u>COPPER (II) SULFATE(1:1)</u> Substance Number: <u>2215</u> CAS Number: <u>N100</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid (X) Liquid () or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PROCESS LAB. - CUPRIC SULFATE REAGENT</u>		
Name: <u>COPPER (II) SULFATE (1:1)</u> Substance Number: <u>2215</u> CAS Number: <u>N100</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER METEX NITRA ADD 3645</u>		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1 000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>LEAD SILICATE</u>	() Fire	Container Type <u>DP</u>
Substance Number: <u>2266</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N420</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <u>Check one</u>	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () <u>Check one</u>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <u>Check if claiming</u>	Location(s) <u>PAINT AREA - CP604 POWERCRON BLACK PASTE</u>	
Name: <u>COPPER CARBOXYLATES</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>2215</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N100</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <u>Check one</u>	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () <u>Check one</u>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <u>Check if claiming</u>	Location(s) <u>MAINTENANCE USE PLANT WIDE - MOBIL DELVAC 130</u>	
Name: <u>NAPHTHENIC ACID, LEAD</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>2266</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>N420</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <u>Check one</u>	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () <u>Check one</u>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <u>Check if claiming</u>	Location(s) <u>TOOL ROOM - AMSOL GRT</u>	
Name: <u>NAPHTHENIC ACID, LEAD</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>2266</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N420</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <u>Check one</u>	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () <u>Check one</u>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <u>Check if claiming</u>	Location(s) <u>DEPT.6 SEAT ADJUSTER LINE - L-INDUSTRIAL GREASE</u>	
Name: <u>NICKEL (II) NITRATE (1:2)</u>	() Fire	Container Type <u>DP</u>
Substance Number: <u>2366</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>N495</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <u>Check one</u>	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () <u>Check one</u>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <u>Check if claiming</u>	Location(s) <u>PAINT AREA - CHEMFOS 86A</u>	

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	<u>Pressure</u>
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	01 Ambient* pressure
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	02 Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	03 Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	<u>Temperature</u>
DF	Fiber drum	BN	Tools bin	15	50,001 to 100,000 pounds	04 Ambient temperature
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	05 Greater than ambient temperature
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
				11	11 to 100 pounds	
				10	1 to 10 pounds	
				09	Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>NICKEL (II) NITRATE (1:2)</u> Substance Number: <u>2366</u> CAS Number: <u>N495</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) <i>Check one</i> Solid () Liquid (X) or Gas () <i>Check one</i> Trade Secret: () <i>Check if claiming</i>	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT AREA - CHEMFOS 86R</u>		
Name: <u>METHANOL</u> Substance Number: <u>1222</u> CAS Number: <u>67-56-1</u> DOT Number: <u>1230</u> Pure () or Mixture (X) <i>Check one</i> Solid () Liquid (X) or Gas () <i>Check one</i> Trade Secret: () <i>Check if claiming</i>	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT AREA - CHEMSEAL 20</u>		
Name: <u>METHANOL</u> Substance Number: <u>1222</u> CAS Number: <u>67-56-1</u> DOT Number: <u>1230</u> Pure () or Mixture (X) <i>Check one</i> Solid () Liquid (X) or Gas () <i>Check one</i> Trade Secret: () <i>Check if claiming</i>	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE PAINT SHOP - DENATURED ALCOHOL</u>		
Name: <u>METHANOL</u> Substance Number: <u>1222</u> CAS Number: <u>67-56-1</u> DOT Number: <u>1230</u> Pure () or Mixture (X) <i>Check one</i> Solid () Liquid (X) or Gas () <i>Check one</i> Trade Secret: () <i>Check if claiming</i>	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BP</u> Max. daily inventory <u>10</u> Avg. daily inventory <u>9</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>OFFICE AREA - LIQUID PAPER CORRECTION FLUID</u>		
Name: <u>METHANOL</u> Substance Number: <u>1222</u> CAS Number: <u>67-56-1</u> DOT Number: <u>1230</u> Pure () or Mixture (X) <i>Check one</i> Solid () Liquid (X) or Gas () <i>Check one</i> Trade Secret: () <i>Check if claiming</i>	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>10</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT AREA - METHYL ALCOHOL</u>		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>METHANOL</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>10</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>9</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>WASTE TREATMENT LAB.</u>	
Name: <u>METHANOL</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>10</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>9</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>RELIABILITY LAB.</u>	
Name: <u>METHANOL</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>10</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>POWER HOUSE LAB. - PH INDICATOR SOLUTION</u>	
Name: <u>METHANOL</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>10</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENACE -USE PLANT WIDE - LOCTITE 660 ADHESIVE</u>	
Name: <u>METHANOL</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>10</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>POWER HOUSE LAB. - SOFTENER KIT</u>	

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	<u>Pressure</u>
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	01 Ambient* pressure
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	02 Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	03 Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	<u>Temperature</u>
DF	Fiber drum	BN	Tote bin	15	50,001 to 100,000 pounds	04 Ambient temperature
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	05 Greater than ambient temperature
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
				11	11 to 100 pounds	
				10	1 to 10 pounds	
				09	Less than 1 pound	
			¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.		*Ambient means "normal," "surrounding," or "room" conditions.	

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PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>METHANOL</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BLDG. - WATERBORNE MARKING PAINT</u>	

Name: <u>METHANOL</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>1222</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BLDG. - LACQUER THINNER</u>	

Name: <u>METHANOL</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1222</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>67-56-1</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1230</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - SHER-LINER STRIPING PAINT</u>	

Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1237</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE- LOCTITE SOLVENT #755</u>	

Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1237</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE, MAIN CRIB STORAGE</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1237</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - CUT AID</u>	
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1237</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - LOCTITE DEPEND</u>	
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1237</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - LOCTITE ACTIVTOR #707</u>	
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1237</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - LOCTITE PRIMER T</u>	
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>	☐ Fire	Container Type <u>CY</u>
Substance Number: <u>1237</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>71-55-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>2831</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PLANT WIDE -FORMULA 838 WASP KILLER</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

1996 CHEMICAL INVENTORY REPORT

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1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION		HAZARDS (Check all that apply)	INVENTORY INFORMATION	
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>		☐ Fire	Container Type	<u>CN</u>
Substance Number: <u>1237</u>		☐ Sudden release of pressure	Max. daily inventory	<u>12</u>
CAS Number: <u>71-55-6</u>		☐ Reactive	Avg. daily inventory	<u>11</u>
DOT Number: <u>2831</u>		☒ Acute health effects	Days on site	<u>365</u>
Pure ☐ or Mixture ☒ Check one		☒ Chronic health effects	Storage pressure	<u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one		☐ None per MSDS	Storage temperature	<u>04</u>
Trade Secret: ☐ Check if claiming		Location(s) <u>MAINTENANCE - TRUCK REPAIR SHOP BRAKE CLEANER</u>		
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>		☐ Fire	Container Type	<u>CY</u>
Substance Number: <u>1237</u>		☒ Sudden release of pressure	Max. daily inventory	<u>11</u>
CAS Number: <u>71-55-6</u>		☐ Reactive	Avg. daily inventory	<u>11</u>
DOT Number: <u>2831</u>		☒ Acute health effects	Days on site	<u>365</u>
Pure ☐ or Mixture ☒ Check one		☒ Chronic health effects	Storage pressure	<u>02</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one		☐ None per MSDS	Storage temperature	<u>04</u>
Trade Secret: ☐ Check if claiming		Location(s) <u>TOOL ROOM - SPRAY TAP</u>		
Name: <u>ETHANE, 1,1,1-TRICHLORO-</u>		☐ Fire	Container Type	<u>CY</u>
Substance Number: <u>1237</u>		☒ Sudden release of pressure	Max. daily inventory	<u>11</u>
CAS Number: <u>71-55-6</u>		☐ Reactive	Avg. daily inventory	<u>11</u>
DOT Number: <u>2831</u>		☒ Acute health effects	Days on site	<u>365</u>
Pure ☐ or Mixture ☒ Check one		☒ Chronic health effects	Storage pressure	<u>02</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one		☐ None per MSDS	Storage temperature	<u>04</u>
Trade Secret: ☐ Check if claiming		Location(s) <u>TOOL ROOM - TAPMATIC CUTTING FLUID #1</u>		
Name: <u>METHANE</u>		☒ Fire	Container Type	<u>CY</u>
Substance Number: <u>1202</u>		☒ Sudden release of pressure	Max. daily inventory	<u>13</u>
CAS Number: <u>74-82-8</u>		☐ Reactive	Avg. daily inventory	<u>12</u>
DOT Number: <u>1971</u>		☒ Acute health effects	Days on site	<u>365</u>
Pure ☐ or Mixture ☒ Check one		☒ Chronic health effects	Storage pressure	<u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one		☐ None per MSDS	Storage temperature	<u>04</u>
Trade Secret: ☐ Check if claiming		Location(s) <u>PLANT WIDE - NATURAL GAS</u>		
Name: <u>ETHANE</u>		☒ Fire	Container Type	<u>CY</u>
Substance Number: <u>0834</u>		☒ Sudden release of pressure	Max. daily inventory	<u>13</u>
CAS Number: <u>74-84-0</u>		☐ Reactive	Avg. daily inventory	<u>12</u>
DOT Number: <u>1035</u>		☒ Acute health effects	Days on site	<u>365</u>
Pure ☐ or Mixture ☒ Check one		☒ Chronic health effects	Storage pressure	<u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one		☐ None per MSDS	Storage temperature	<u>04</u>
Trade Secret: ☐ Check if claiming		Location(s) <u>PLANT WIDE - NATURAL GAS</u>		

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA	Above ground tank	BA	Bag	Pressure
TB	Below ground tank	BX	Box	01 Ambient* pressure
TI	Tank inside building	CY	Cylinder	02 Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	03 Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	Temperature
DF	Fiber drum	BN	Barrel	04 Ambient temperature
CN	Can	TW	Tank Wagon	05 Greater than ambient temperature
CB	Carboy	RC	Railcar	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	07 Cryogenic conditions (less than -200°C)
				*Ambient means "normal," "surrounding," or "room" conditions.

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

PART 2

1996 CHEMICAL INVENTORY REPORT

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1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ACETYLENE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0015</u>	☒ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>74-86-2</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1001</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>GAS CYLINDER STORAGE BUILDING</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>GAS CYLINDER STORAGE BUILDING</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE BUILDING - TRUCK REPAIR - CARB. CLEANER</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0015</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>SANITATION STORAGE CRIB - GC 204 CLEANER</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>SANITATION STORAGE CRIB - GC 207 CLEANER</u>	

CONTAINER CODES AND DESCRIPTIONS

TA	Above ground tank	BA	Bag
TB	Below ground tank	BX	Box
TI	Tank inside building	CY	Cylinder
DS	Steel drum	BG	Bottles or jugs (glass)
DP	Plastic drum	BP	Bottles or jugs (plastic)
DF	Fiber drum	BN	Tool bin
CN	Can	TW	Tank Wagon
CB	Carboy	RC	Railcar
SI	Silo	OT	Other (Describe)

INVENTORY RANGE CODES¹

20	Greater than 10 million pounds
19	1,000,001 to 10 million pounds
18	500,001 to 1 million pounds
17	250,001 to 500,000 pounds
16	100,001 to 250,000 pounds
15	50,001 to 100,000 pounds
14	10,001 to 50,000 pounds
13	1,001 to 10,000 pounds
12	101 to 1,000 pounds
11	11 to 100 pounds
10	1 to 10 pounds
09	Less than 1 pound

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

STORAGE TEMPERATURE AND PRESSURE CODES

Pressure

01	Ambient* pressure
02	Greater than ambient pressure
03	Less than ambient pressure

Temperature

04	Ambient temperature
05	Greater than ambient temperature
06	Less than ambient temperature but not cryogenic (freezing conditions)
07	Cryogenic conditions (less than -200°C)

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

1996 CHEMICAL INVENTORY REPORT

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1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PROPANE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	(X) Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <i>Check one</i>	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid () or Gas (X) <i>Check one</i>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <i>Check if claiming</i>	Location(s) <u>SANITATION STORAGE BUILDING - GC 203 CLEANER</u>	
Name: <u>PROPANE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	(X) Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <i>Check one</i>	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid () or Gas (X) <i>Check one</i>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <i>Check if claiming</i>	Location(s) <u>SANITATION STORAGE CRIB - GC 207 CLEANER</u>	
Name: <u>PROPANE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	(X) Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>74-98-6</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1978</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <i>Check one</i>	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid () or Gas (X) <i>Check one</i>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <i>Check if claiming</i>	Location(s) <u>GAS CYLINDER STORAGE BUILDING - LPG</u>	
Name: <u>PROPANE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	(X) Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <i>Check one</i>	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid () or Gas (X) <i>Check one</i>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <i>Check if claiming</i>	Location(s) <u>MAINTENANCE USE PLANT WIDE - MAINTAIN LUBRICANT</u>	
Name: <u>PROPANE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	(X) Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) <i>Check one</i>	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid () or Gas (X) <i>Check one</i>	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () <i>Check if claiming</i>	Location(s) <u>TOOL ROOM - OVERNIGHT MOLD PROTECTOR</u>	

CONTAINER CODES AND DESCRIPTIONS				INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	<u>Pressure</u>
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	01 Ambient* pressure
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	02 Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	03 Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	<u>Temperature</u>
DF	Fiber drum	BN	Barrel	15	50,001 to 100,000 pounds	04 Ambient temperature
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	05 Greater than ambient temperature
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
				11	11 to 100 pounds	
				10	1 to 10 pounds	
				09	Less than 1 pound	
				¹		
				<u>NOTE:</u> Please see pages 14 thru 17 for gallon and cubic feet conversion factors.		*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - RED/ORANGE #324 PAINT</u>	

Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - PENETRATING OIL</u>	

Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PLANT WIDE USE, MAIN CRIB STORAGE - LABEL ADHESIVE</u>	

Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>GAS CYLINDER STORAGE BUILDING MG TMF SML</u>	

Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BLDG - SHER-LINER STRIPING PAINT</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient [*] pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	cryogenic (freezing conditions)
		11 11 to 100 pounds	07 Cryogenic conditions (less than -200°C)
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

^{*}Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PALNT WIDE - FAST BRK PEN OIL 80052</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - HEAVY DUTY RUST GUARD</u>	
Name: <u>PROPANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1594</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>74-98-6</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1978</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - 763 RUST TRANSFORMER</u>	
Name: <u>PROPYNE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>1218</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>74-99-7</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>GAS CYLINDER STORAGE BUILDING - LPG</u>	
Name: <u>CHLORODIFLUOROMETHANE</u>	☐ Fire	Container Type <u>CY</u>
Substance Number: <u>0386</u>	☒ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>74-45-6</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1018</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>REFRIGERATION EQUIPMENT PLANT WIDE</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	
		*Ambient means "normal," "surrounding," or "room" conditions.	
		NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.	

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: METHYL METHACRYLATE Substance Number: 1277 CAS Number: 80-62-6 DOT Number: 1247 Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type DP Max. daily inventory 13 Avg. daily inventory 12 Days on site 180 Storage pressure 01 Storage temperature 04
Location(s) PHOSPATERAND BARREL STOCK - MACDERMID BLACK		
Name: METHYL METHACRYLATE Substance Number: 1277 CAS Number: 80-62-6 DOT Number: 1247 Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type CN Max. daily inventory 11 Avg. daily inventory 10 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) MAINTENANCE USE PALNT WIDE - LOCTITE CA-7 ADHESIVE		
Name: NAPHTHALENE Substance Number: 1322 CAS Number: 91-20-3 DOT Number: 1334 Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type TI Max. daily inventory 12 Avg. daily inventory 12 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) MAINTENANCE BUILDING - SAFETY KLEEN PARTS WASHERS		
Name: 1,2-DICHLOROBEBZENE Substance Number: 0642 CAS Number: 95-50-1 DOT Number: 1591 Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type TI Max. daily inventory 12 Avg. daily inventory 12 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) MAINTENANCE BUILDING - SAFETY KLEEN PARTS WASHER		
Name: METHYL ACRYLATE Substance Number: 1219 CAS Number: 96-33-3 DOT Number: 1919 Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type DP Max. daily inventory 13 Avg. daily inventory 12 Days on site 180 Storage pressure 01 Storage temperature 04
Location(s) PHOSPATER AND BARREL STOCK- MACDERMID BLACK		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	cryogenic (freezing conditions)
		11 11 to 100 pounds	07 Cryogenic conditions (less than -200°C)
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>BUTANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0273</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>106-97-8</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1011</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>SANITATION STORAGE CRIB - GC 203</u>	
Name: <u>BUTANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0273</u>	☒ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>106-97-8</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1011</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>GAS CYLINDER STORAGE BUILDING - LPG</u>	
Name: <u>BUTANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0273</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>106-97-8</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1011</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAIN CRIB AREA - RAID FLYING INSECT SPRAY</u>	
Name: <u>BUTANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0273</u>	☒ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>106-97-8</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1011</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - SHER-LINER STRIPING PAINT</u>	
Name: <u>BUTANE</u>	☒ Fire	Container Type <u>CY</u>
Substance Number: <u>0273</u>	☒ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>106-97-8</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1011</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>02</u>
Solid ☐ Liquid ☐ or Gas ☒ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE -FAST BRK PEN OIL 8052</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	
NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.			*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

1996 CHEMICAL INVENTORY REPORT

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1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>CN</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - ACRYLIC GLOSS WHITE</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>CN</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - GASKET ELIMINATOR 540</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>BP</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAIN CRIB - SY-COOL-1 ANTI-FREEZE</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>BARREL STOCK - MOBIL NYVAC FR200 OIL</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>BARREL STOCK - MOBIL PYROGUARD D</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>BP</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAIN CRIB - PEAK ANTI-FREEZE</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>DS</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>POWER HOUSE - CALGON PHREEGUARD 2350</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>CN</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - WALL-PLEX 465 WHITE PAINT</u>	
Name: <u>ETHYLENE GLYCOL</u>	() Fire	Container Type <u>CN</u>
Substance Number: <u>0878</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>107-21-1</u>	() Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1142</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - BLEND-A-COLOR BLACK TONER</u>	
Name: <u>XYLENE</u>	(X) Fire	Container Type <u>CY</u>
Substance Number: <u>2014</u>	(X) Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	() Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1307</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>02</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAINT. BLDG. TRUCK REPAIR- CARB. & CHOKE CLEANER</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - EPLON REACTOR B</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - EPLON 5 SLATE GRAY</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>OT(Tub)</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAIN CRIB - GP-X YELLOW MARKERS</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>OT(Tub)</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAIN CRIB - LIQUID TIP 6100/1100 MARKERS</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>POWER HOUSE - MICROBIOCIDIC H-204</u>	

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag		20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box		19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder		18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)		17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)		16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin		15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon		14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar		13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)		12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
			11 11 to 100 pounds	
			10 1 to 10 pounds	
			09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>POWER HOUSE - MICROBIOCIDE H-212</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - OPEX LACQUER BLUE PAINT</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - OPEX LACQUER ORANGE</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - OPEX LACQUER YELLOW</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - OPEX LACQUER WHITE PAINT</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure () or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid ☒ or Gas () Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - PARLOID PEARL GRAY</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure () or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid ☒ or Gas () Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - PHILLYCLAD 5020 PRIMER</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure () or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid ☒ or Gas () Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - PHILLY CLAD 5020 RESIN</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>OT (Tub)</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure () or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid ☒ or Gas () Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAIN CRIB - PX-20 MARKER WHITE</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>OT (Tub)</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure () or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid ☒ or Gas () Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>MAIN CRIB PX-20 MAKER YELLOW</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>XYLENE</u> Substance Number: <u>2014</u> CAS Number: <u>1330-20-7</u> DOT Number: <u>1307</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT STORAGE BUILDING - RED PRIMER #55</u>		
Name: <u>XYLENE</u> Substance Number: <u>2014</u> CAS Number: <u>1330-20-7</u> DOT Number: <u>1307</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>TI</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE BUILDING - SAFETY KLEEN PARTS WASHERS</u>		
Name: <u>XYLENE</u> Substance Number: <u>2014</u> CAS Number: <u>1330-20-7</u> DOT Number: <u>1307</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAIN CRIB - SCOTCH BRAND PROMOTER 4293</u>		
Name: <u>XYLENE</u> Substance Number: <u>2014</u> CAS Number: <u>1330-20-7</u> DOT Number: <u>1307</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PAINT STORAGE BUILDING - TRAFFIC-LITE 64 WHITE</u>		
Name: <u>XYLENE</u> Substance Number: <u>2014</u> CAS Number: <u>1330-20-7</u> DOT Number: <u>1307</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>CN</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>10</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE USE PLANT WIDE - LOCTITE WATER PROOFING</u>		

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	Pressure
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	01 Ambient* pressure
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	02 Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	03 Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	Temperature
DF	Fiber drum	BN	Drum	15	50,001 to 100,000 pounds	04 Ambient temperature
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	05 Greater than ambient temperature
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
				11	11 to 100 pounds	
				10	1 to 10 pounds	
				09	Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☒ or Mixture ☐ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - XYLOL 154-2398 REDUCER</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - LAQUER THINNER</u>	
Name: <u>XYLENE</u>	☒ Fire	Container Type <u>CN</u>
Substance Number: <u>2014</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1330-20-7</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1307</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT STORAGE BUILDING - SHER-LINER STRIPING PAINT</u>	
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - ANTI SEIZE LUBRICANT</u>	
Name: <u>ALUMINIM OXIDE</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1334-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - UNION CARBIDE P-010 GRINDING WHEELS</u>	

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	<u>Pressure</u> 01 Ambient* pressure 02 Greater than ambient pressure 03 Less than ambient pressure
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	<u>Temperature</u> 04 Ambient temperature 05 Greater than ambient temperature 06 Less than ambient temperature but not cryogenic (freezing conditions) 07 Cryogenic conditions (less than -200°C)
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	
DF	Fiber drum	BN	Tote bin	15	50,001 to 100,000 pounds	
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	
				11	11 to 100 pounds	
				10	1 to 10 pounds	
				09	Less than 1 pound	
			¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.		*Ambient means "normal," "surrounding," or "room" conditions.	

DEQ-094

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - NORTON ABRASIVE PRODUCTS -RESINOID BOND</u>	
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM RP 3281 HARDNER</u>	
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - RP 3281 RESIN</u>	
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - NORTON ABRASVE PRODUCTS SHELLAC BOND</u>	
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - SEMICHROME POLISH</u>	

CONTAINER CODES AND DESCRIPTIONS				INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	Bag	20	Greater than 10 million pounds	<u>Pressure</u>	
TB	Below ground tank	BX	Box	19	1,000,001 to 10 million pounds	01	Ambient* pressure
TI	Tank inside building	CY	Cylinder	18	500,001 to 1 million pounds	02	Greater than ambient pressure
DS	Steel drum	BG	Bottles or jugs (glass)	17	250,001 to 500,000 pounds	03	Less than ambient pressure
DP	Plastic drum	BP	Bottles or jugs (plastic)	16	100,001 to 250,000 pounds	<u>Temperature</u>	
DF	Fiber drum	BN	Barrel	15	50,001 to 100,000 pounds	04	Ambient temperature
CN	Can	TW	Tank Wagon	14	10,001 to 50,000 pounds	05	Greater than ambient temperature
CB	Carboy	RC	Railcar	13	1,001 to 10,000 pounds	06	Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	Other (Describe)	12	101 to 1,000 pounds	07	Cryogenic conditions (less than -200°C)
				11	11 to 100 pounds		
				10	1 to 10 pounds		
				09	Less than 1 pound		
				¹ <u>NOTE:</u> Please see pages 14 thru 17 for gallon and cubic feet conversion factors.		*Ambient means "normal," "surrounding," or "room" conditions.	
						DFO-004	

NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ALUMINUM OXIDE</u>	☐ Fire	Container Type <u>BP</u>
Substance Number: <u>2891</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>1344-28-1</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAIN CRIB - 3M FINESSE IT COMPOUND</u>	
Name: <u>LEAD</u>	☐ Fire	Container Type <u>DS</u>
Substance Number: <u>1096</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>7439-92-1</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>DEPT. 6 AND BARREL STOCK - L - INDUSTRIAL GREASE</u>	
Name: <u>NICKEL</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1341</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7440-02-0</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA AND BARREL STOCK - CHEMFOS 86A</u>	
Name: <u>NICKEL</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1341</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7440-02-0</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA AND BARREL STOCK - CHEMFOS 86R</u>	
Name: <u>NICKEL</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>1341</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7440-02-0</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>TOOL ROOM - DIAMOND OR BORON GRINDING WHEELS</u>	

CONTAINER CODES AND DESCRIPTIONS			INVENTORY RANGE CODES ¹		STORAGE TEMPERATURE AND PRESSURE CODES	
TA	Above ground tank	BA	20	Greater than 10 million pounds	Pressure	
TB	Below ground tank	BX	19	1,000,001 to 10 million pounds	01	Ambient* pressure
TI	Tank inside building	CY	18	500,001 to 1 million pounds	02	Greater than ambient pressure
DS	Steel drum	BG	17	250,001 to 500,000 pounds	03	Less than ambient pressure
DP	Plastic drum	BP	16	100,001 to 250,000 pounds	Temperature	
DF	Fiber drum	BN	15	50,001 to 100,000 pounds	04	Ambient temperature
CN	Can	TW	14	10,001 to 50,000 pounds	05	Greater than ambient temperature
CB	Carboy	RC	13	1,001 to 10,000 pounds	06	Less than ambient temperature but not cryogenic (freezing conditions)
SI	Silo	OT	12	101 to 1,000 pounds	07	Cryogenic conditions (less than -200°C)
			11	11 to 100 pounds		
			10	1 to 10 pounds		
			09	Less than 1 pound		

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>NICKEL</u>	☐ Fire	Container Type <u>CN</u>
Substance Number: <u>1341</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>7440-02-0</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE PLANT WIDE - ANTI-SIEZE LUBRICANT</u>	
Name: <u>HYDROCHLORIC ACID</u>	☐ Fire	Container Type <u>BP</u>
Substance Number: <u>1012</u>	☐ Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>7647-01-0</u>	☒ Reactive	Avg. daily inventory <u>11</u>
DOT Number: <u>1050</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>SANITATION STORAGE CRIB - BC 104</u>	
Name: <u>HYDROCHLORIC ACID</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1012</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>7647-01-0</u>	☒ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1050</u>	☒ Acute health effects	Days on site <u>90</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PHOSPHATER AND BARREL STOCK MACDERMID BLACK</u>	
Name: <u>HYDROCHLORIC ACID</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>1012</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>7647-01-0</u>	☒ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1050</u>	☒ Acute health effects	Days on site <u>180</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PHOSPHATER -AND BARREL STOCK MACDERMID BLACK</u>	
Name: <u>HYDROCHLORIC ACID</u>	☐ Fire	Container Type <u>BG</u>
Substance Number: <u>1012</u>	☐ Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7647-01-0</u>	☒ Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1050</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>POWER HOUSE LAB - CHELANT REAGENT A</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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PART 2

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: HYDROCHLORIC ACID Substance Number: 1012 CAS Number: 7647-01-0 DOT Number: 1050 Pure () or Mixture ☒ Check one Solid () Liquid ☒ or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure ☒ Reactive ☒ Acute health effects ☒ Chronic health effects () None per MSDS	Container Type BP Max. daily inventory 11 Avg. daily inventory 10 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) POWER HOUSE LAB		
Name: HYDROCHLORIC ACID Substance Number: 1012 CAS Number: 7647-01-0 DOT Number: 1050 Pure () or Mixture ☒ Check one Solid () Liquid ☒ or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure ☒ Reactive ☒ Acute health effects ☒ Chronic health effects () None per MSDS	Container Type CB Max. daily inventory 13 Avg. daily inventory 12 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) PAINT AREA - D.I. WATER UNIT		
Name: HYDROCHLORIC ACID Substance Number: 1012 CAS Number: 7647-01-0 DOT Number: 1050 Pure () or Mixture ☒ Check one Solid () Liquid ☒ or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure ☒ Reactive ☒ Acute health effects ☒ Chronic health effects () None per MSDS	Container Type DP Max. daily inventory 11 Avg. daily inventory 10 Days on site 90 Storage pressure 01 Storage temperature 04
Location(s) POWER HOUSE LAB - ORGANIC PHOSPHORUS REAGENT		
Name: HYDROCHLORIC ACID Substance Number: 1012 CAS Number: 7647-01-0 DOT Number: 1050 Pure () or Mixture ☒ Check one Solid () Liquid ☒ or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure ☒ Reactive ☒ Acute health effects ☒ Chronic health effects () None per MSDS	Container Type DP Max. daily inventory 11 Avg. daily inventory 10 Days on site 180 Storage pressure 01 Storage temperature 04
Location(s) POWER HOUSE LAB - OXYGEN SCAVANGER REAGENT B		
Name: HYDROCHLORIC ACID Substance Number: 1012 CAS Number: 7647-01-0 DOT Number: 1050 Pure () or Mixture ☒ Check one Solid () Liquid ☒ or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure ☒ Reactive ☒ Acute health effects ☒ Chronic health effects () None per MSDS	Container Type DP Max. daily inventory 12 Avg. daily inventory 12 Days on site 365 Storage pressure 01 Storage temperature 04
Location(s) PAINT AREA AND BARREL STOCK - PARCO PURGE 2510		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe:)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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1445 PARKWAY AVE., EWING TWP

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>HYDROCHLORIC ACID</u>	() Fire	Container Type <u>CB</u>
Substance Number: <u>1012</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7647-01-0</u>	(X) Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1050</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>BILAMINATE AREA AND OUTSIDE STORAGE DECK - PM90</u>	
Name: <u>HYDROCHLORIC ACID</u>	() Fire	Container Type <u>DP</u>
Substance Number: <u>1012</u>	() Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>7647-01-0</u>	(X) Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1050</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>POWER HOUSE - CALGON R-5663</u>	
Name: <u>HYDROCHLORIC ACID</u>	() Fire	Container Type <u>BG</u>
Substance Number: <u>1012</u>	() Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7647-01-0</u>	(X) Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1050</u>	(X) Acute health effects	Days on site <u>90</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>WASTE TREATMENT LAB. - ZINC STANDARD SOLUTION</u>	
Name: <u>HYDROCHLORIC ACID</u>	() Fire	Container Type <u>BG</u>
Substance Number: <u>1012</u>	() Sudden release of pressure	Max. daily inventory <u>11</u>
CAS Number: <u>7647-01-0</u>	(X) Reactive	Avg. daily inventory <u>10</u>
DOT Number: <u>1050</u>	(X) Acute health effects	Days on site <u>180</u>
Pure (X) or Mixture () Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PROCESS LAB - HYDROCHLORIC ACID REAGENT</u>	
Name: <u>PHOSPHORIC ACID</u>	() Fire	Container Type <u>DP</u>
Substance Number: <u>1516</u>	() Sudden release of pressure	Max. daily inventory <u>12</u>
CAS Number: <u>7664-38-2</u>	(X) Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1805</u>	(X) Acute health effects	Days on site <u>365</u>
Pure () or Mixture (X) Check one	(X) Chronic health effects	Storage pressure <u>01</u>
Solid () Liquid (X) or Gas () Check one	() None per MSDS	Storage temperature <u>04</u>
Trade Secret: () Check if claiming	Location(s) <u>PAINT AREA AND BARREL STOCK - HEAT EXCHANGER CLNR</u>	

CONTAINER CODES AND DESCRIPTIONS	INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not
SI Silo	12 101 to 1,000 pounds	cryogenic (freezing conditions)
BA Bag	11 11 to 100 pounds	07 Cryogenic conditions (less than -200°C)
BX Box	10 1 to 10 pounds	
CY Cylinder	09 Less than 1 pound	
BG Bottles or jugs (glass)		
BP Bottles or jugs (plastic)		
BN Tote bin		
TW Tank Wagon		
RC Railcar		
OT Other (Describe)		

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PHOSPHORIC ACID</u> Substance Number: <u>1516</u> CAS Number: <u>7664-38-2</u> DOT Number: <u>1805</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BP</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>SANITATION STORAGE CRIB - BC105</u>		
Name: <u>PHOSPHORIC ACID</u> Substance Number: <u>1516</u> CAS Number: <u>7664-38-2</u> DOT Number: <u>1805</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER AND BARREL STOCK MACPLATE I-35</u>		
Name: <u>HYDROCHLORIC ACID</u> Substance Number: <u>1516</u> CAS Number: <u>7664-38-2</u> DOT Number: <u>1805</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DP</u> Max. daily inventory <u>13</u> Avg. daily inventory <u>12</u> Days on site <u>90</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PHOSPHATER AND BARREL STOCK - METASEAL CONCENTRATE</u>		
Name: <u>PHOSPHORIC ACID</u> Substance Number: <u>1516</u> CAS Number: <u>7664-38-2</u> DOT Number: <u>1805</u> Pure (X) or Mixture () Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure (X) Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BG</u> Max. daily inventory <u>11</u> Avg. daily inventory <u>11</u> Days on site <u>180</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>PROCESS LAB - PHOSPHORIC ACID REAGENT</u>		
Name: <u>PVC</u> Substance Number: <u>3622</u> CAS Number: <u>9002-86-2</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid (X) Liquid () or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive () Acute health effects () Chronic health effects (X) None per MSDS	Container Type <u>BX</u> Max. daily inventory <u>14</u> Avg. daily inventory <u>13</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>BILAMINATE AND PLASTIC STORAGE AREA - APEX 75-93151A</u>		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

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1 1 0 2

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1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA - APEX</u>	
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA - APEX</u>	
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA</u>	
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA - APEX</u>	
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA - APEX</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	cryogenic (freezing conditions)
		11 11 to 100 pounds	07 Cryogenic conditions (less than -200°C)
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

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1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

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Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AREA AND PLASTIC STORAGE AREA - APEX</u>	
Name: <u>PVC</u>	☐ Fire	Container Type <u>BX</u>
Substance Number: <u>3622</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>9002-86-2</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☐ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☐ Chronic health effects	Storage pressure <u>01</u>
Solid ☒ Liquid ☐ or Gas ☐ Check one	☒ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>BILAMINATE AND PLASTIC STORAGE AREA - SCHULMAN</u>	
Name: <u>PHOSPHORIC ACID, ZINC SALT</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>3012</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N982</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA AND BARREL STOCK - CHEMFOS 86A</u>	
Name: <u>PHOSPHORIC ACID, ZINC SALT</u>	☐ Fire	Container Type <u>DP</u>
Substance Number: <u>3012</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N982</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>PAINT AREA AND BARREL STOCK - CHEMFOS 86R</u>	
Name: <u>ZINC DITHIOPHOSPHATE</u>	☐ Fire	Container Type <u>DS</u>
Substance Number: <u>3012</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>N982</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>NONE</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>MAINTENANCE USE AND BARREL STOCK DRYDENE 150 & 220</u>	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PART 2

1996 CHEMICAL INVENTORY REPORT

00004010002

1102

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>ZINC DITHIOPHOSPHATE</u> Substance Number: <u>2012</u> CAS Number: <u>N982</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DS</u> Max. daily inventory <u>14</u> Avg. daily inventory <u>13</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>DEPT 6 AND BARREL STOCK - I-INDUSTRIAL GREASE</u>		
Name: <u>ZINC DITHIOPHOSPHATE</u> Substance Number: <u>2012</u> CAS Number: <u>N982</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>DS</u> Max. daily inventory <u>14</u> Avg. daily inventory <u>13</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE USE AND BARREL STOCK - MOBIL LUBE</u>		
Name: <u>DIESEL FUEL/HEATING OIL</u> Substance Number: <u>0537</u> CAS Number: <u>1319-77-3</u> DOT Number: <u>1993</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>TA</u> Max. daily inventory <u>18</u> Avg. daily inventory <u>17</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>POWER HOUSE TANK FARM AND GARAGE AREA</u>		
Name: <u>CRESOL</u> Substance Number: <u>0537</u> CAS Number: <u>1319-77-3</u> DOT Number: <u>2022</u> Pure () or Mixture (X) Check one Solid () Liquid (X) or Gas () Check one Trade Secret: () Check if claiming	(X) Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>TI</u> Max. daily inventory <u>12</u> Avg. daily inventory <u>12</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>MAINTENANCE BUILDING - SAFETY KLEEN PARTS WASHERS</u>		
Name: <u>LOPAC</u> Substance Number: <u>3617</u> CAS Number: <u>9003-54-7</u> DOT Number: <u>NONE</u> Pure () or Mixture (X) Check one Solid (X) Liquid () or Gas () Check one Trade Secret: () Check if claiming	() Fire () Sudden release of pressure () Reactive (X) Acute health effects (X) Chronic health effects () None per MSDS	Container Type <u>BX</u> Max. daily inventory <u>14</u> Avg. daily inventory <u>13</u> Days on site <u>365</u> Storage pressure <u>01</u> Storage temperature <u>04</u>
Location(s) <u>DEPT 1. AND PLASTIC STORAGE AREA</u>		

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	Pressure
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bottles or jugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bottles or jugs (plastic)	16 100,001 to 250,000 pounds	Temperature
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
CB Carboy	RC Railcar	13 1,001 to 10,000 pounds	06 Less than ambient temperature but not cryogenic (freezing conditions)
SI Silo	OT Other (Describe)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	
		NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.	
		*Ambient means "normal," "surrounding," or "room" conditions.	

PART 2

00004010002

1102

1996 CHEMICAL INVENTORY REPORT

1445 PARKWAY AVE., EWING TWP

Reporting Period: January 1 - December 31, 1996

Please type all responses.

Photocopy this page if you need additional forms.

Read instructions carefully before completing this form.

SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: <u>GASOLINE</u>	☒ Fire	Container Type <u>TA</u>
Substance Number: <u>0957</u>	☐ Sudden release of pressure	Max. daily inventory <u>13</u>
CAS Number: <u>8006-61-9</u>	☐ Reactive	Avg. daily inventory <u>12</u>
DOT Number: <u>1203</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>ABOVE GROUND TANK SOUTH OF MAINTENANCE BLDG.</u>	
Name: <u>PETROLEUM OIL</u>	☒ Fire	Container Type <u>TA</u>
Substance Number: <u>2651</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>NONE</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1270</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>ABOVE GROUND TANK EAST OF MAIN BUILDING</u>	
Name: <u>USED PETROLEUM OIL</u>	☒ Fire	Container Type <u>TA</u>
Substance Number: <u>2851</u>	☐ Sudden release of pressure	Max. daily inventory <u>14</u>
CAS Number: <u>NONE</u>	☐ Reactive	Avg. daily inventory <u>13</u>
DOT Number: <u>1270</u>	☒ Acute health effects	Days on site <u>365</u>
Pure ☐ or Mixture ☒ Check one	☒ Chronic health effects	Storage pressure <u>01</u>
Solid ☐ Liquid ☒ or Gas ☐ Check one	☐ None per MSDS	Storage temperature <u>04</u>
Trade Secret: ☐ Check if claiming	Location(s) <u>ABOVE GROUND TANK EAST OF MAIN BUILDING</u>	
Name: _____	☐ Fire	Container Type _____
Substance Number: _____	☐ Sudden release of pressure	Max. daily inventory _____
CAS Number: _____	☐ Reactive	Avg. daily inventory _____
DOT Number: _____	☐ Acute health effects	Days on site _____
Pure ☐ or Mixture ☐ Check one	☐ Chronic health effects	Storage pressure _____
Solid ☐ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature _____
Trade Secret: ☐ Check if claiming	Location(s) _____	
Name: _____	☐ Fire	Container Type _____
Substance Number: _____	☐ Sudden release of pressure	Max. daily inventory _____
CAS Number: _____	☐ Reactive	Avg. daily inventory _____
DOT Number: _____	☐ Acute health effects	Days on site _____
Pure ☐ or Mixture ☐ Check one	☐ Chronic health effects	Storage pressure _____
Solid ☐ Liquid ☐ or Gas ☐ Check one	☐ None per MSDS	Storage temperature _____
Trade Secret: ☐ Check if claiming	Location(s) _____	

CONTAINER CODES AND DESCRIPTIONS		INVENTORY RANGE CODES ¹	STORAGE TEMPERATURE AND PRESSURE CODES
TA Above ground tank	BA Bag	20 Greater than 10 million pounds	<u>Pressure</u>
TB Below ground tank	BX Box	19 1,000,001 to 10 million pounds	01 Ambient* pressure
TI Tank inside building	CY Cylinder	18 500,001 to 1 million pounds	02 Greater than ambient pressure
DS Steel drum	BG Bomes or ugs (glass)	17 250,001 to 500,000 pounds	03 Less than ambient pressure
DP Plastic drum	BP Bomes or ugs (plastic)	16 100,001 to 250,000 pounds	<u>Temperature</u>
DF Fiber drum	BN Tote bin	15 50,001 to 100,000 pounds	04 Ambient temperature
CN Can	TW Tank Wagon	14 10,001 to 50,000 pounds	05 Greater than ambient temperature
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SI Silo	OT Other (Describe: _____)	12 101 to 1,000 pounds	07 Cryogenic conditions (less than -200°C)
		11 11 to 100 pounds	
		10 1 to 10 pounds	
		09 Less than 1 pound	

¹ NOTE: Please see pages 14 thru 17 for gallon and cubic feet conversion factors.

*Ambient means "normal," "surrounding," or "room" conditions.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 4

A) SUMMARY OF WASTEWATER DISCHARGES

B) SUMMARY OF PROCESS WASTE DISPOSAL PROCESSES

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 4

A) SUMMARY OF WASTEWATER DISCHARGES

A description of wastewater discharges at the Delphi site is attached on the following page. The attached description was presented in the Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993, Attachment 7). The current site operations involve the same discharges as those reported in 1993, although discharge volumes have reportedly declined as result of reductions and eliminations of various plant operations.

B) SUMMARY OF PROCESS WASTE DISPOSAL PROCESSES

All liquid process wastes except solvents and oils are discharged in process wastewater to the on-site process sewers leading to the on-site process-wastewater pretreatment facility. The pretreatment facility also receives contact cooling water used in the molding of plastics, non-contact cooling water from the cooling tower, and sludges from the power house boiler treatment tanks. Pretreated process wastewater is discharged under permit to the Ewing-Lawrence Sewer Authority. Filter cake from on-site processing of wastewater pretreatment sludge is transported off-site for appropriate disposal at an approved landfill.

Waste solvent, waste oil, waste grease, waste powder-paint resins, power-house soot, and drum bottoms and drum liners are drummed and transported off-site for appropriate disposal or recycling at approved facilities.

(Waste oils, including spent lubricating or metal-working fluids and hydraulic oils, were formerly discharged to the process sewers for on-site pretreatment.)

Waste plastic and plastic-steel bilaminate material, plant trash, and bulk wastes including oily debris are transported off-site for appropriate disposal at approved landfills.

Scrap metal, waste cardboard, and waste wood pallets are transported off-site for appropriate recycling.

**Summary of Industrial Establishment Wastewater Discharges
of Sanitary and/or Industrial Waste**

FROM	TO	DISCHARGE TYPE	TREATMENT BY:
1938	Present	Industrial	On-site pre treatment. Discharged to ELSA.
1938	Present	Sanitary	* ELSA

* ELSA: Ewing-Lawrence Sewage Authority.

In 1938, wastewater was treated for cyanide and pH. This water was discharged to the city of Trenton. Due to Trenton capacity problems, wastewater was then transferred to the Ewing-Lawrence Sewage Authority (ELSA), the local publicly owned treatment works (POTW). During the late 50's and early 60's the large treatment tanks at the waste water treatment facility (WWTF) were installed. The nature of discharge was pre-treated industrial waste.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 5

AREAS OF CONCERN

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 5
AREAS OF CONCERN

I. AREAS OF CONCERN PREVIOUSLY IDENTIFIED AT THE SITE

The areas of concern present at the site include the areas of concern identified during previous preliminary assessment and remedial investigation activities performed at the site. In December 1992 GM announced plans to close the facility and initiated a comprehensive remedial investigation of the entire site with oversight by NJDEP pursuant to the New Jersey Environmental Cleanup Responsibility Act (ECRA, Case No. 92713). In 1993 GM decided to pursue sale of the facility business, and the ongoing investigation of the site was conducted pursuant to ISRA (Case No. 92713). In 1994, GM decided to continue its manufacturing operations at the site, and therefore withdrew from the ISRA process before the remedial investigation was completed.

Subsequent preliminary assessment, site investigation, and remedial investigation activities have been performed at the site in connection with a Memorandum of Agreement (MOA) between the NJDEP and GM executed in February 1996. The MOA activities, which are presently ongoing, have been assigned NJDEP Case No. 95-2-22-1407-48. The MOA activities have focussed on four areas of concern identified under ECRA / ISRA Case No. 92713.

The areas of concern previously identified include those which were listed in the following documents:

- ☐ the ISRA Remedial Investigation Plan (McLaren/Hart Environmental Engineering Corporation, 3 September 1993);
- ☐ the letter dated 17 December 1993 from the New Jersey Department of Environmental Protection and Energy (NJDEPE) to General Motors Corporation (GM) granting conditional approval of the ISRA RI plan;
- ☐ GM's letter to the NJDEPE dated 28 February 1994 responding to the conditional approval letter and proposing additional work in five areas of concern;
- ☐ the 12 May 1994 letter of response from NJDEPE to GM regarding the 28 February 1994 proposals.

The 3 September 1993 RI Plan divided the site into 11 investigation areas on the basis of the history of site operations in each area. The 11 areas, which together encompassed the entire

site, are referred to as Zones 1 through 11 in this report. The boundaries of the 11 zones are shown on Figure 2. Figure 2 is presented in Section 12 of the Attachments to this Preliminary Assessment Report form.

The areas of concern previously identified at the site, except for those excluded from further investigation by mutual agreement between GM and NJDEPE in 1993 and 1994 under ISRA Case No. 92713, are listed below. For the previously-identified areas of concern for which further investigation was proposed by GM or required by NJDEPE, the specific features of each area which were identified in the documents described above are also listed. Locations of areas of concern previously identified at the site were described, and shown on figures, in the 3 September 1993 ISRA Remedial Investigation Plan.

Zone 1 - Manufacturing Building and East Parking Lot

The following areas of concern are located inside the manufacturing building in Zone 1.

- ☐ Unit #1: Manufacturing Tool Room (including the following operational areas: tool storage rooms, an injection molding process area, and a former encapsulated glass prep room). The following features were identified:
 - all sumps, pits, and trenches.
- ☐ Unit #2: Manufacturing Area (including the following operational areas: bi-laminate extrusion lines, encapsulated glass molders, PVC extruder lines, manual and electronic seat adjuster manufacturing and assembly lines, metal stamping and fabrication lines with associated high speed presses, a zinc phosphate machine, the No.12 plater line (copper, nickel and chromium), a former diecasting area (known in 1993 as bi-laminate lines 12 thru 15), a former plastic molding line (known in 1993 as electric seat adjuster line #2), former lacquer and enamel painting area (currently known as manual seat adjuster fabrication presses) and former plating lines #4, #5 (acid-wash, nickel and copper), #6 (chromium), #9, and #11 (copper, nickel and chromium)). The following features were identified:
 - all sumps, pits, and trenches.
 - an abandoned former 3,300-gallon underground concrete tank for waste hydraulic oil located adjacent to the encapsulated glass GKN molders.
 - process wastewater sewer lines.
 - potential impacts below the building from historical operations.
- ☐ Unit #3: Manufacturing and Shipping Area (including the following operational areas on the first floor of the building: warehouse space with an associated shipping office and shipping dock, a basket storage area, a security room, a chemistry lab, battery storage area, and the ELPO-Powder Coating operation). Reinspection of this area after operations had ceased was planned.

- Unit #5: South Extension West (including the following operational areas: zinc die cast machines and a zinc alloy remelt area, a buffing section, and door handle assembly area, an equipment storage room, a maintenance area, a buffing compound storage room, former plating lines #1, #2, #3, and #7 (which had been located in an area known in 1993 as the interior handle buff area), the former dichlorobenzene degreaser area (known in 1993 as the interior door handle assembly and buffing compound storage area), and a former zinc reclamation furnace). The following features were identified:
 - all drain lines, sumps, pits, and trenches.
- Unit #6: South Extension East (including the plating-solution storage area). The following features were identified:
 - all sumps, pits, and trenches.
 - degraded areas of the floor.
- Unit #7: Receiving Area (including the following operational areas: a receiving and storage area for purchased parts, plastics, encapsulated molds, and aluminum/steel coil, a nitric acid rack strip area, several concrete-lined metal scrap pits, a former zinc phosphate and chromium washing operation (known in 1993 as the plastic storage area), a former paint application operation, former deionized water processing, former cyanide-zinc barrel plating operation (known in 1993 as the purchased parts receiving area), a former aluminum anodizer and caustic aluminum etching operation, and the former anodized phosphoric and chromic acid stripping area). The following features were identified:
 - all sumps, pits, trenches.
 - scrap-metal bins.
 - an area of staining on the concrete surfaces of the platform adjacent to the scrap bins and the adjacent railspur trackwell.
- Underground Utility Lines. The following features were identified:
 - integrity of underground lines which carried hazardous substances. (Plant personnel reported that the only underground utility lines that are known to have existed beneath the plant are process, sanitary, and stormwater sewers and fire-sprinkler lines. All other process lines were installed above the plant floor.)
- Former Plating Operations in Areas where the floor has been restored. The following features were identified:
 - integrity of former containment features.

- Suspected 9,000-gallon UST beneath Southeast Extension. The following features were identified:
 - need for additional information on the possible existence of a tank at this location.
- Electrical Substations on the roof of, in, and around the Manufacturing Building. The presence or absence of PCB oil in transformers in each substation, evidence of past releases of transformer oil, and previous sampling and clean-up activities were identified.

The following areas of concern are located outside the manufacturing building in Zone 1.

- Concrete Containment Unit. This secondary containment structure located outside the deionization annex on the south side of the manufacturing building has two tank cradles. Information on its past use was not available. The following features were identified:
 - need for additional information on materials stored at this location in the past.
 - a degraded area of the floor.

(Plant personnel reported that based on the operations formerly conducted in the adjacent deionization annex, the materials which were stored in this unit are likely to have been sulfuric acid, caustic solution, or compressed chlorine gas. No specific records concerning this unit have been found by plant personnel.)
- Trash Compactor Area. The following features were identified:
 - associated sumps and trenches.
 - an adjacent area of oil-staining.
 - an apparent oil leak from the compactor equipment.
- Area of Oil Staining Adjacent to A Leaking Press Staged Outside South Side of Building. The need for removal of stained soil followed by confirmation sampling was identified.

Zone 2 - Above Ground Storage Tank Area

- Former Above-ground 5,000-Gallon Paint Thinner Tank and Former Above-ground 4,000-gallon Solvent Tank. These two tanks were located in a concrete-lined secondary containment unit. They were decommissioned during 1987-1988. In 1991, a new hydraulic-oil storage tank was placed on the concrete cradles left over from the former solvent tank. The following features were identified:
 - an out-of-service pump station and related underground piping associated with the former tanks.

- Primary Switch House. The following features were identified:
 - three transformers located in an outdoor substation at the switch house.
 - an area of stained gravel beneath mineral oil switches.

Zone 3 - Power Station and Fuel Storage

- Two 30,000-gallon Aboveground No. 6 Fuel Oil Storage Tanks. The following features were identified:
 - areas of oil-staining on the ground surface beneath the tanks and associated piping.
- 500,000-gallon Aboveground No. 6 Fuel Oil Storage Tanks. The following features were identified:
 - the perimeter of the base of the tank.
 - areas of oil-staining on the ground surface around a steam vent and beneath associated piping.
- Two Steam Condensate Blowdown Sumps. The following features were identified:
 - areas of oil-staining on the gravel around these units.
- Cooling Tower East of Power House. The following features were identified:
 - historical discharges of additives in cooling-water to ground surface.
- Former 2,000- and 4,000-gallon Underground Gasoline Storage Tanks. The tanks were removed in 1989 and 1987, respectively. The following features were identified:
 - residual soil contamination at the former location of the 4,000-gallon tank.
 - need to confirm the absence of residual soil contamination at the former location of the 2,000-gallon tank.
 - groundwater contamination.
- Former 2,500-gallon Underground Paint Storage Tank. The tank was removed in 1989. The following features were identified:
 - need to confirm the absence of residual soil contamination.
- Staining of Concrete Below No. 6 Fuel Oil Unloading Port at Southwest Corner of Power House. The following features were identified:
 - the integrity of the concrete.

- Stained Gravel and Concrete Noted Between the Two Air Receivers on West Side of Power House. The following features were identified:
 - removal of stained material.
 - discontinuing the source of the staining.
- Staining Beneath Air Receiver on East Side of Power House. The following features were identified:
 - removal of stained material.
 - the integrity of the underlying surface.
- Staining of Gravel Adjacent to Power House Truck-Parking Area. The following features were identified:
 - possible contamination of underlying soil.
 - need for additional information on the source of the staining.
- Past leaks of No. 6 Fuel-oil from Contained Below-Grade Pipeline leading from Unloading Port at Power House to Above-ground Storage Tanks. The following features were identified:
 - the integrity of the concrete secondary-containment trench.

Zone 4 - Process Waste and Hazardous Drum Staging Area

- Hazardous Drum Staging Area. The following features were identified:
 - the extent of contamination previously identified around the pad.
 - potential contamination beneath the pad.
 - the integrity of the catch basin located at the south east corner of the containment area.

Zone 5 - Raw-Materials Storage and Maintenance Area

- Maintenance Building Shipping and Receiving Area. The following features were identified:
 - the drainage trench in the shipping and receiving area.
- Vehicle Wash Area at northeast corner of Maintenance Building. The following features were identified:
 - the concrete-lined collection trench surrounding the wash pad.

- Raw Materials Drum-Storage Pad at east side of Maintenance Building. The following features were identified:
 - staining of concrete beneath three out-of-service non-PCB (<5 ppm PCB) transformers stored on pad.
- Metal Scrap Bins East of the Maintenance Building and Raw Materials Drum-Storage Pad. The following features were identified:
 - minor staining on and potential contamination beneath the pavement in and around the bins.
- Truck Unloading Area. The following features were identified:
 - a drainage trench.

Zone 6 - South Parking Lot with Paint Storage Building and Maintenance Garage

- 550-gallon Aboveground Diesel Storage Tank on South side of Maintenance Garage. The following features were identified:
 - staining beneath the fill port for the tank.
- Fire Fighting Practice Area south of the Maintenance Garage. The following features were identified:
 - the documented past practice of placing and igniting pans of gasoline on the ground surface in this area.

Zone 7 -Die Storage and Raw Materials Storage (Former Sludge Drying Bed #5)

- Die Storage Area. The following features were identified:
 - breach in integrity of berm above drainage swale along south edge of storage area.
 - staining of surface soils on the berm in area of breach.
- Former Raw Materials Drum Storage Area at the southwest corner of the Maintenance Building. No evidence of leakage was noted during the site inspection. Therefore, no sampling was proposed. However, a need for additional information on the following concerns was identified by NJDEPE:
 - the integrity of the concrete.
 - whether storage was performed in this area before it was paved.

- Former Sludge Drying Bed #5. The following features were identified:
 - potential soil contamination.

Zone 8 - Wastewater Treatment Plant

- Oil-Water Separator. The following features were identified:
 - the need for additional documentation on results of previous sampling performed prior to the installation of this unit in 1990.
- Sanitation Deck Washdown Area Located Northeast of the New Oil-water Separator. The following features were identified:
 - the integrity of the collection sump for the deck.
- Area of 1989 Spill of Spent Nitric Acid Northwest of the New Oil-water Separator. The following features were identified:
 - potential soil contamination.
- Former Primary Sludge Settling/Waste Oil Tanks. The following features were identified:
 - potential soil contamination around the former sludge settling tanks (also known together as the old oil-water separator).
 - potential soil contamination around the adjacent underground waste-oil tank.
 - potential soil contamination at the suspected location of a possible former waste-oil incinerator northwest of the old oil-water separator.
 - the integrity of two sumps and a Parshall flume associated with the old oil-water separator.
- 11,000-gallon Above-Ground Waste Oil Tank. The following features were identified:
 - the integrity of the collection sump for the secondary containment.
- Neutralization Tanks. The following features were identified:
 - the integrity of the concrete lining of the tanks.
- Waste Treatment Sludge Settling Tanks. The following features were identified:
 - the integrity of the concrete lining of the tanks.
 - the integrity of associated hydrostatic relief valves.

- the area of a 5/14/93 release resulting from a leak from an underground pipe at a location adjacent to the west side of the western tank.
- Former Location of Trash Incinerator. The following features were identified:
 - potential soil contamination.
- Soil Piles From the Excavation Performed During the Construction of the New Oil-water Separator. The following features were identified:
 - apparent presence of PAHs. (Subsequent investigation of the soil piles under NJDEP Case No. 95-2-22-1407-48 has indicated that the apparent source of PAHs detected in this material was a creosoted timber. The subsequent investigation is described in Section 7 of the attachments to this report.)
- Former Process Sewer Structures. The following features were identified:
 - the integrity of the Parshall flume and all related out-of-service structures.
 - the source of standing oil observed in the retention box during the 5/6/93 site inspection.
- Area of 1990 leak of Sulfuric Acid at the Sulfuric Acid Tank. The following features were identified:
 - apparent presence of residual soil contamination.
- Area-wide presence of fill in Zone 8. The following features were identified:
 - potential soil contamination.

Zone 9 - Power House Parking Lot and Equipment Storage Area

- Northern edge of Equipment Storage Area (also known as the Empty Basket Storage Area). The following features were identified:
 - potential surface-soil contamination.
- Southeastern edge of Equipment Storage Area. The following features were identified:
 - potential surface-soil contamination.
- Areas of staining or consistent past storage of equipment within the Equipment Storage Area. The following features were identified:
 - potential soil contamination.

Zone 10 - Former Sludge Drying Beds #1 through #4

- Former Sludge Drying Beds #1 through #4. The following features were identified:
 - the presence of residual sludge and of soil and groundwater contamination.
- Wooded Area Surrounding Sludge Beds. The following features were identified:
 - the visible presence throughout Zone 10 of various debris including drums, and the apparent past placement of fill in this area.
 - the presence of pipes and outfalls of unknown origin, with potential past discharge to Gold Run.

Zone 11 - Undeveloped Parkland Area

- Suspected Barium-Chromate Drum Disposal Area. The following features were identified:
 - suspected presence of buried drums.
- Gold Run Pond. The following features were identified:
 - potential sediment contamination.

Additional Concerns

- Subsurface Process and Sanitary Sewer Lines. The following features were identified:
 - the integrity of the lines.
- Stormwater line leading to outfall DSN001. The following features were identified:
 - the integrity of the line.
- March 2, 1990 NOV Area. The following features were identified:
 - need to confirm removal of contaminated soil which was the subject of a 3/2/90 notice of violation concerning a release of stormwater from a sanitation deck.
- Groundwater Contamination from an Upgradient Off-site Source at the Naval Air Propulsion Center.
- Groundwater Conditions Downgradient of the Manufacturing Building.

II. POSSIBLE EVIDENCE OF RELEASES AT PREVIOUSLY-IDENTIFIED AREAS OF CONCERN FOR WHICH NO FURTHER ACTION PROPOSALS WERE PREVIOUSLY ACCEPTED BY THE NJDEP

No further action proposals presented in the 3 September 1993 ISRA RI Plan were accepted by the NJDEP for several previously-identified areas of concern. The acceptance of no further action in these areas was presented in the NJDEP's letter to GM dated 17 December 1993 giving conditional approval to the ISRA RI Work Plan. Possible evidence of releases of hazardous substances or wastes was noted or reported during the preparation of this Preliminary Assessment Report in the following three areas of concern for which no further action was accepted by the NJDEP in its 17 December 1993 letter:

□ Zone 1 - Transformer Substation #11

This substation is located on the roof of the main manufacturing building in Zone 1 of the site. The location of Substation #11 is labeled 1-1 on Figure 2. Plant personnel reported that residual PCB contamination of concrete in the containment area of this substation has resulted from a 4/19/95 release of PCB oil from an electrical transformer. Refer to Section 8 for additional information on the 4/19/95 release event.

Attempts to clean the concrete of PCBs using solvents have reportedly not been successful. GM plans to remove and properly dispose of the contaminated concrete during planned future decommissioning of Substation #11 and its transformers, and therefore no additional sampling appears to be necessary in this area at this time.

□ Zone 3 - Roll-off box staging area located northwest of Hazardous waste drum storage pad

The roll-off box staging area is currently located on concrete pavement in the area between the outdoor hazardous-waste drum storage pad and the southeast corner of the main building. The area of roll-off staging was identified in the ISRA Remedial Investigation Plan dated 3 September 1993 and the NJDEP letter dated 17 December 1993 as being located in Zone 4 of the site. The roll-off staging area currently extends into Zone 3 of the site, north of the area previously identified.

Oil staining was noted during the preliminary assessment site walkover on the unpaved ground surface in the bed of the railroad spur located on the east side of the roll-off staging area. The area of oil staining noted in the bed of the rail spur is located in Zone 3 of the site as shown on Figure 2. The location of the oil-stained area is labeled 3-1 on Figure 2.

Additional sampling is necessary to determine whether and to what extent soil contamination may be present above applicable criteria.

□ Zone 8 - Wastewater pretreatment neutralization tanks

These tanks are located in Zone 8 of the site as shown on Figure 2. Potential releases to soil or groundwater of process wastewater may have occurred in this area if apparent ground settlements indicated by settlements in the adjacent concrete walkway and wastewater-pretreatment-building floor have affected the integrity of the walls or floor of the neutralization tanks. The approximate general location of the area of ground settlement is labeled 8-1 on Figure 2.

Process wastewater constituents may also have been released to the ground surface in this area during the overflow of approximately 38,000 gallons of mixed stormwater and wastewater which occurred on 3/28/94. The approximate general location of the area of the 3/28/94 overflow is labeled 8-2 on Figure 2. Analysis was performed on a sample collected from the pool of water present on the ground surface after the overflow was discovered, and results indicated the following concentrations were present in the spilled material: chromium - 0.21 milligrams per liter (mg/L); copper - 0.63 mg/L; nickel - 1.5 mg/L; lead - 0.022 mg/L; zinc - 5.1 mg/L; and total cyanide - 0.015 mg/L. Refer to Section 8 for additional information on the 3/28/94 overflow event.

Additional sampling is necessary to determine whether and to what extent contamination may be present above applicable criteria.

III. AREAS OF CONCERN NOT PREVIOUSLY IDENTIFIED AT THE SITE

The following areas of concern had not previously been identified as areas of concern at the site:

□ Zone 6 - Area of apparent surface-soil staining at south end of Parking lot

An area of stained soil was noted around and below a storm gutter which directs stormwater runoff from the south parking lot to the drainage swale on the south side of the property. The location of the stained area is labeled 6-1 on Figure 2. The parking lot is currently used for storage of empty parts-handling baskets, scrap equipment removed from manufacturing areas of the facility, and empty rolloff boxes.

Additional sampling is necessary to determine whether and to what extent soil contamination is present above applicable criteria in the stained area and whether and to what extent sediment contamination may be present in the adjacent swale.

□ Zone 7 - Area of Oil-stained Concrete at Northwest corner of Storage Shed

An area of oil-stained concrete was noted at the northwest corner of the storage shed located south of the maintenance building in Zone 7 of the site. The location of the stained area is labeled 7-1 on Figure 2. The concrete in this area appeared to be cracked and slightly degraded. It is adjacent to the east side of the former raw drum storage area previously identified as an area of concern.

Additional sampling is necessary to determine whether and to what extent soil contamination is present above applicable criteria beneath the degraded section of concrete in the stained area.

□ Zone 7 - Area of Possible Past Material Storage or Surface Disturbance Northwest of Former Sludge Drying Bed No. 5

An area of possible material storage or surface disturbance at a location in Zone 7 of the site is apparent in a 1953 aerial photograph of the site. The ground surface in this area appears as if it may have been unpaved in 1953. The location of the area is labeled 7-2 on Figure 2. Plant personnel reported that storage of various equipment or materials may have occurred in this general area of the facility before and during the 1950s. Most of this general area is currently paved.

The location is northwest of the previously-reported location of former sludge drying bed No. 5. Additional review of facility records and/or later aerial photographs would be necessary to determine whether the apparent activity represented by this feature is related to the drying of sludge from process wastewater pretreatment activities. Sludge drying was reported, in the 1993 ISRA Remedial Investigation Plan, to have been conducted in sludge drying bed No. 5 beginning in the late 1950's.

The location of the feature apparent on the 1953 photograph is outside the area of test borings proposed for sludge drying bed No. 5 in the 1993 ISRA Remedial Investigation Plan. Additional investigation is necessary to determine the nature of materials that may have been stored in this area and whether and to what extent soil contamination above applicable criteria may have resulted from the unidentified activities represented by this feature.

□ Zone 8 - Area of Past Leak in Process Wastewater Sewer Adjacent to West End of Old Oil-water Separator

According to plant personnel, an apparent leak in the process wastewater sewer adjacent to the west end of the old oil-water separator was noted during decommissioning of the old separator in 1991. The location of the area of the apparent past leak is labeled 8-3 on Figure 2.

Plant personnel reported that soils in the area of the leak were removed at the end of 1996 during the demolition and removal of the old separator. Sampling of the soils at the west end of the excavation performed to remove the old separator was performed during the MOA remedial investigation after concrete and soil removal was completed. A report presenting results of the MOA remedial investigation activities is currently in preparation.

Based on the apparent potential for past releases of untreated process wastewater to soil or groundwater in this area, it appears that, pending an evaluation of the sample analysis

results from the MOA investigation, additional sampling may be necessary to determine whether and to what extent contamination may be present above applicable criteria.

□ Zone 8 - Drainage Swale Downstream of Stormwater Outfall DSN003a

On 25 January 1994, mineral oil was released from a punctured oil tote located on the empty drum storage pad located on the east side of the facility maintenance building. Containment and clean-up activities were performed by Delphi personnel at the time of the spill. These activities reportedly collected most of the spilled material; however, one gallon of oil was reportedly released to the storm sewer which discharges to the on-site drainage swale at outfall DSN003a. Records indicate an attempt was made to collect oil which may have entered the swale; however, no sampling was performed to determine whether soil or sediments had been impacted as a result. The location of the potentially-affected area of the swale is labeled 8-4 on Figure 2. Refer to Section 8 of the Attachments to this report for additional information on the 1/25/94 release.

Based on the apparent potential for past releases of oil to soil or sediment in this area, additional sampling is necessary to determine whether and to what extent contamination may be present above applicable criteria.

□ Zone 9 - Areas of past placement of fill in the Former Empty Basket Storage Area

A shallow depression approximately 100 feet long was noted in the asphalt pavement of the powerhouse parking lot extension in Zone 9 on the east side of the facility. This parking lot was constructed in the 1950s, and in 1993 it was used for the storage of empty baskets.

The shallow depression is located east of the facility powerhouse. The location of the depression is labeled 9-1 on Figure 2. Available information indicates that fill material from various onsite sources may have been placed in this area of the site. It is possible that the shallow depression was caused by ground settlement due to compaction of materials or debris present in underlying fill. Plant personnel reported that fill material from various onsite sources is also likely to be present beneath the pavement in the southern half of the empty basket storage area. Investigation of these areas would be necessary to determine the nature of any fill which may be present and to determine whether and to what extent contamination above applicable criteria may be present in the subsurface.

IV. OTHER POTENTIAL AREAS OF CONCERN

This preliminary assessment did not include a detailed assessment of environmental conditions on, in, or beneath facility buildings or structures. Assessment and investigation of environmental conditions related to buildings and structures will be performed by GM during the decommissioning phase of plant closure after cessation of manufacturing operations at the site.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 6

PROTECTIVENESS OF PAST REMEDIES

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 6

PROTECTIVENESS OF PAST REMEDIES

As indicated in Section 5 of the Attachments to this report, no further action proposals presented in the 3 September 1993 ISRA Remedial Investigation Plan for the site (McLaren/Hart Environmental Engineering Corporation) were accepted by the NJDEP for several areas of concern identified under ECRA /ISRA Case No. 92713. The acceptance of no further action in these areas was presented in the NJDEP's letter to GM dated 17 December 1993 giving conditional approval to the ISRA RI Work Plan.

The NJDEP's 17 December 1993 letter included a review of activities related to the previously-accepted formal RCRA closure of three decommissioned above-ground storage tanks formerly used for storage of dichlorobenzene. The tanks are located in a secondary containment basin at the south side of the manufacturing building. The NJDEP's 17 December 1993 letter included an acceptance of the proposal for no further action in this area. Evidence of subsequent releases of hazardous substances or wastes in this area was not noted or reported during the preliminary assessment activities performed in the preparation of this Preliminary Assessment Report. Soil and groundwater sampling was not required for and was not performed during the closure activities for these tanks, and consequently an order-of-magnitude analysis of environmental conditions in this area is not applicable.

With three exceptions, which were described in Section 5 of the Attachments to this report, evidence of subsequent releases of hazardous substances or wastes in other areas of concern for which no further action was accepted by the NJDEP in its 17 December 1993 letter was not noted or reported during the preliminary assessment activities performed in the preparation of this Preliminary Assessment Report. None of these other areas of concern for which no further action was accepted by the NJDEP had previously been the subject of environmental sampling or remedial action, and consequently an order-of-magnitude analysis of environmental conditions in these areas is not applicable.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 7

HISTORICAL DATA ON ENVIRONMENTAL QUALITY

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 7

HISTORICAL DATA ON ENVIRONMENTAL QUALITY

A description of previous environmental investigations performed at the site was presented in the ECRA SES Sampling Plan attached to the Site Evaluation Submission (SES) for ECRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993), and historical data on environmental quality collected during previous investigations were presented in Attachments 14 through 22 of the SES. The sampling plan was subsequently revised based on draft comments received from the NJDEP and resubmitted to the NJDEP by GM as the ISRA Remedial Investigation Plan for ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 3 September 1993). Attachments 1 through 11 of the 3 September 1993 ISRA RI Plan presented additional historical data on environmental quality at the site.

Remedial investigation field sampling and laboratory analysis activities proposed by GM under ISRA Case No. 92713 were performed for GM by URS Consultants, Inc. (URS) in early 1994. GM intends to submit to the NJDEP a data report presenting all data collected by URS during the 1994 ISRA remedial investigation activities as an attachment to a Site Investigation/Remedial Investigation Work Plan for the site.

Subsequent preliminary assessment, site investigation, and remedial investigation activities have been performed at the site pursuant to a Memorandum of Agreement (MOA) between the NJDEP and GM executed in February 1996. The MOA activities have been assigned NJDEP Case No. 95-2-22-1407-48. A Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan (URS Consultants, Inc., May 1996) was submitted to the NJDEP by GM in May 1996.

Haley & Aldrich performed the proposed MOA remedial investigation activities in late 1996 and early 1997, and a report of the results of the investigations is currently in preparation. GM intends to incorporate the data from the MOA remedial investigation in the planned Site Investigation/Remedial Investigation Work Plan for ISRA Case No. 97070.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 8

DISCHARGE HISTORY OF HAZARDOUS SUBSTANCES AND WASTES

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 8

DISCHARGE HISTORY OF HAZARDOUS SUBSTANCES AND WASTES

The summary of the discharge history of hazardous substances and wastes which was presented in the Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993, Attachment 10) is attached on the following page. An update of the discharge history of hazardous substances and wastes is presented in a summary table on the following page. The update describes discharge events at the site which occurred after the events summarized in the SES. Copies of relevant correspondence concerning the subsequent discharge events are presented on the pages following the update.

Discharge History of Hazardous Substances and Wastes

Date	Description of Discharge	Response
07/03/87	Waste water treatment tank overflow.	See attachment 11 Letter dated July 22, 1987.
07/25/87	Fuel oil leak entered Sanitary sewer line discharging into the Ewing Lawrence Sewage Authority (ELSA).	See attachment 11 Letter dated August 06, 1987.
09/17/87	Water soluble oil spill.	See attachment 11 Letter dated September 25, 1987.
01/12/89	#6 fuel oil (25 gal.) released from tank truck during off-loading at the powerhouse. Reported to EAS, NRC and NJDEPE.	The truck was repaired and continued to off-load.
05/18/89	Oil (undetermined) released into Gold Run from sources unknown. Reported to NRC as a result of NJDEPE inspection and NOV.	See attachment 11 Letter dated July 28, 1989 Remedial action was taken. NOV issued by NJDEPE.
04/13/89	Water insoluble oil spill. Oil (undetermined) released unknowingly into storm sewer. Reported to EAS, EPA Hotline and NJDEPE.	See attachment 11 Letter dated June 05, 1989 Instruction and procedures established for handling waste oils.
11/09/89	Spent nitric acid spill. Nitric Acid (400 gal.) released as the result of a honeywagon tipping over. Reported to EAS, NRC, NJDEPE and Ewing Emergency Management.	See attachment 11 Letter dated November 29, 1989 Remedial action taken including soil removal. NOV issued by NJDEPE.
03/02/90	Oil (undetermined) released from sanitation deck to soil. Reported to NRC as a result of NJDEPE inspection and NOV.	Soils removed as part of remedial action. Notice of violation issued by NJDEPE.
07/23/90	F006 (10,000 gal.) released from wastewater treatment headworks. Reported to EAS, NRC and NJDEPE.	Most of the water involved was directed to and captured in Tank 2. Blockage at the headworks was cleared. Limited soil excavation.
09/26/90	Sulfuric acid (100 gal.) released from bulk storage tank piping at wastewater treatment facility. Reported to EAS, NRC and NJDEPE.	See attachment 11 Note dated September 26, 1989 Faulty piping was replaced. Soils excavated as part of cleanup.
03/26/91	F006 (400 gal.) from Tank 2 at wastewater treatment. Reported to EAS, NRC and NJDEPE. Walkway drain separated from wall.	Repaired after similar incident on October 14, 1991. Soils excavated as part of cleanup.
09/10/91	Die Cast Quench Oil (50 gal. of 2% oil) from DSN001 Stormwater Outfall. Reported to EAS, NRC and NJDEPE. Overflow from Die Cast suspected, but sewer cross connection not found.	See attachment 11 Letter dated September 18, 1991.
Spring 1991	Two PCB low voltage capacitors were inadvertently disposed of with scrap equipment.	See attachment 11 Letter dated August 04, 1992.
08/20/92	PCB containing transformer leak from substation #14. Reported to EAS, EPA Region II and NJDEPE (for information only). Release did not escape containment.	See attachment 11 Letter dated August 25, 1992.

Update of Discharge History of Hazardous Substances and Wastes

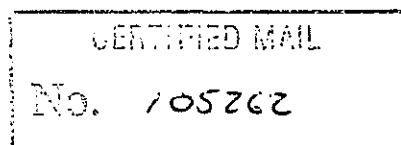
Date	NJDEP Case Number	Description, Response, and Resolution	Sample results attached	Approval letter attached
5/12/93	93-05-12-1324-11	Leak discovered in underground pipe connecting an out-of-service sludge-settling tank at the facility wastewater pretreatment facility to the sludge filter press in the pretreatment building. The tank reportedly contained rainwater; residual sludge and treated process wastewater were possibly also present. Some liquid was released from subsurface to the ground surface, and approximately 20 gal. of material ran off to the adjacent on-site drainage swale. The area of the release was identified as an area of concern in the ISRA Remedial Investigation Plan (McLaren/Hart Environmental Engineering Corp., 9/3/93), and a sampling proposal was presented to NJDEPE by GM in letter of 2/28/94 to Mr. David Bean. Last status addressed in NJDEPE letter of 5/12/94 to GM, Item I(B).	No - Refer to 9/3/93 ISRA RI Plan, Attachment 3-7	No - See attached 5/12/93 NOV received from NJDEP and GM's discharge confirm'n report
1/25/94	94-01-25-1512-69	Mineral oil released from punctured oil tote located on storage pad on east side of facility maintenance building. Containment and clean-up performed to collect most of spilled material; however, approximately one gallon of oil was released to storm sewer which discharges to on-site drainage swale. Refer to attached discharge confirmation report. No sampling performed.		6/21/94 - NJDEPE Bur. of Discharge Prevention
3/1/94	94-03-01-2110-39	Fifteen to 20 gallons of diesel fuel spilled to roadway and storm sewers from leaking fuel tank on supplier's tractor-trailer truck.. Containment and clean-up performed to collect spilled material. Refer to attached discharge confirmation report. No sampling performed.		6/16/94 - NJDEPE Bur. of Discharge Prevention
3/28/94	94-03-28-0756-00	Overflow of 38,000 gallons of mixed electroplating process wastewater (F006) and stormwater from wastewater neutralization tanks at the on-site wastewater pretreatment facility during period of heavy rainfall. Standing water present after discovery of overflow was collected and returned to pretreatment facility. Refer to attached correspondence from GM and NJDEPE. No soil sampling performed.	Yes - for liquid released	7/21/94 - NJDEPE Bur. of Discharge Prevention
10/26/94	94-10-26-1338-12	Release of 75 to 100 gallons of sodium bisulfite solution to ground surface around an above-ground sodium bisulfite storage tank outside the on-site wastewater pretreatment facility during offloading from delivery truck.. Approximately 40 cubic yards of contaminated soil was removed and disposed of off-site. Refer to attached discharge confirmation report and follow-up correspondence from GM.	Yes - for soil samples collected after excavations	3/20/95 - NJDEPE Bur. of Discharge Prevention

Update of Discharge History of Hazardous Substances and Wastes, continued

Date	NJDEP Case Number	Description, Response, and Resolution	Sample results attached	Approval letter attached
4/19/95	95-04-19- 1734-17	Less than one-half gallon of PCB transformer oil leaked from electrical transformer in facility Substation # 11, located on the roof of the manufacturing building, onto the concrete surface of the containment structure surrounding the transformer. The material was contained within the containment structure, and wipe sampling and cleanup activities were performed on affected surfaces. Facility personnel reported that the most recent sample analysis results indicate that PCBs have been removed from the exterior of the transformer but that PCB contamination remains in the affected concrete. After the leak was reported it was determined that the quantity leaked did not constitute a reportable quantity. Refer to attached discharge confirmation report and follow-up correspondence from GM to NJDEP and National Response Center.		
11/14/96	96-11-14- 1302-05	Fifty gallons of waste oil leaked onto asphalt roadway during transfer of oil from a drum to a tanker truck. All leaked oil was contained and cleaned up. Refer to attached discharge confirmation report. No sampling performed.		3/27/97 - NJDEPE Bur. of Discharge Prevention



RECEIVED EPI REQUESTED



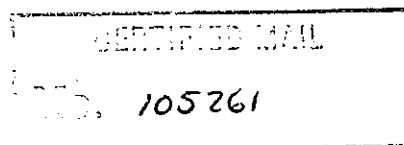
**INLAND
FISHER GUIDE**



May 17, 1993

Bureau of Site Assessment
NJDEPE
CN 407
Trenton, NJ 08625

RECEIVED EPI REQUESTED



REF: Discharge to Surface Water
NJDEPE Hotline Case No. 93-5-12-1324-11
Operator No. 6

National Response Center No. 173-151

DON ORPEN

Gentlemen:

The purpose of this letter is to provide written notification of the above referenced discharge.

On Wednesday May 12, 1993, David Worrell of Inland Fisher Guide reported a discharge to surface water at IFG Trenton Plant, 1445 Parkway Avenue, Trenton, NJ 08650. Water from an underground pipe had surfaced and was entering Gold Run via the facilities stormwater discharge trench. The discharge was discovered at 9:00 am and was contained by 11:00 am. Excavation to a broken pipe and cessation of a flow from the pipe was completed by Thursday 3:00 pm.

The leaking pipe was determined to be a pipe connecting a wastewater pretreatment tank to the pretreatment facility building. Since the pretreatment tank had been out of service for several years, the tank contained mostly rainwater. Some residual F006 sludge and treated waste waters can be assumed present in the tank. The quantity released to surface water is estimated to be 20 gallons.

There were no injuries or evacuations associated with this discharge.

Additional State Officials who have either been contacted or who have contacted the facility are: Bob Winterburn from NJDEPE, Donald Orpen from Central Enforcement NJDEPE was onsite when the incident occurred, David Bean and John Graham from Site Evaluations NJDEPE investigated the incident.

Bureau of Site Assessment
May 17, 1993
Page 2

The rupture appears to have been caused by uneven settling of soils around the pipe. Head pressure from the clarifier tank forced water through the ruptured pipe to the surface. The head pressure was relieved by pumping the contents of the tank into the pretreatment system. Excavating in the area of the discharge uncovered the ruptured pipe. The pipe will be temporarily flanged off until permanent repairs can be made. The excavated area will be shored and soil samples taken. If required, contaminated soils will be removed and disposed of off-site.

If you have any questions regarding this matter, please contact David Worrell at 609-771-6289.

Sincerely,



Roy J. Curley
Superintendent Plant &
Process Engineering



INLAND FISHER GUIDE

Inland Fisher Guide Division
General Motors Corporation
Trenton Plant

1445 Parkway Avenue
Trenton, New Jersey 08650-1019

RETURN RECEIPT REQUESTED

CERTIFIED MAIL

No. 104439

February 24, 1994

Bureau of Discharge Prevention
NJDEPE
401 East State Street
CN 027
Trenton, NJ 08625-0027

REF: Inland Fisher Guide
Oil Discharge - January 25, 1994
NJDEPE # 94-1-25-1512-09, Operator 21
NRC # 218-559, Petty Officer Wilkerson

Gentlemen:

Pursuant to N.J.A.C. 7:1E-5.8 Inland Fisher Guide is submitting a confirmation report in connection with the above referenced discharge.

Pursuant to N.J.A.C. 7:1E-5.8(b):

1. Individual who reported the discharge - David Worrell, Facility Engineer, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650.
2. Individual submitting the confirmation report - Roy J. Curley, Superintendent Plant & Process Engineering, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650.
5. Individual responsible as owner/operator - Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650.
6. The source of the discharge - a 300 gal. Oil Tote Container struck by a fork truck.
7. Discharge location - Inland Fisher Guide, Street Address - 1445 Parkway Avenue, Trenton, NJ 08650, Tax Lot & Block - Lot 1 in Block 343, Township of Ewing, Mercer County, EPA ID No. NJD 002 353 951. See attached site plan.
8. Hazardous substance discharged - Mineral Oil CAS #064742525.

9. Quantity discharged - 200 gal. spilled onto concrete, 1 gal. released to storm sewer. These are estimated quantities.

10. Date - January 25, 1994.
Time of discharge - 11:30 am
Time of discovery - 11:35 am
Time discharge ended - 11:40 am
Time Department was notified - 3:12 pm

11. Measures taken to contain and cleanup the discharge - Immediately after discovery, storm sewers in the area were bermed off. Sand and absorbent materials were used to collect oils on the concrete. This effort was hampered by snow and ice on the ground. Flotation booms were placed across the drainage trench which the storm sewer discharged to. Booms were also placed across a facility drive where sheet flow stormwater was present. Cost to respond to the discharge were \$1,200.00 in labor and \$800.00 in materials and disposal. See attached manifest for disposal record.

12. Corrective actions - The punctured tote was removed to a contained area. The tote was returned to the oil supplier for repairs or disposal.

13. Preventive measures - The root cause of the discharge was a full oil tote improperly placed among empty totes. Procedures for removal of totes from the manufacturing area were not properly followed. An additional check point is now added to the tote removal procedure. The responsibility for empty totes is given to an individual, the material management supervisor. Inspection of the empty drum area is now incorporated into the Hazardous Material Weekly Inspection. The Plant Manager has directed his staff to take necessary discipline actions to insure the proper handling of "empty" totes.

14. Response entities - All response and cleanup activities were conducted by plant personnel.

15. Sampling - There were no samples gathered at the time of the discharge. The storm sewer involved discharges at NJPDES permit NJ0053295 DSN 003 which is sampled on a monthly bases. The monitoring report for February, 1994 will be sent when it is completed.

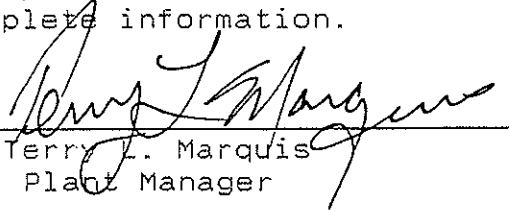
7:1E-5.6 Justification of Delay

The spill was immediately discovered when the fork truck struck the oil tote. The discharge occurred as facility personnel attempted to berm the spill. Mr. Worrell was involved with coordinating containment and cleanup measures. Mr. Worrell is the Facility Environmental Engineer and responsible for notifications to the State.

The delay in notification was due to both containment measures and the weather. Due to rain and snow already on the ground there was heavy run-off. Response personnel constructed berms to divert run-off from the spill site into our wastewater pretreatment facility. Booms were also placed at the DSN003 stormwater discharge point and a facility road. When these measures were in place Mr. Worrell made the proper notifications.

7:1E-4.11 Certification.

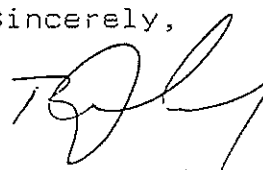
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this report and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information.


Terry L. Marquis
Plant Manager

2/24/94
Date

If you have any questions concerning this report please contact me at 609-771-6325 or David Worrell at 609-771-6289.

Sincerely,

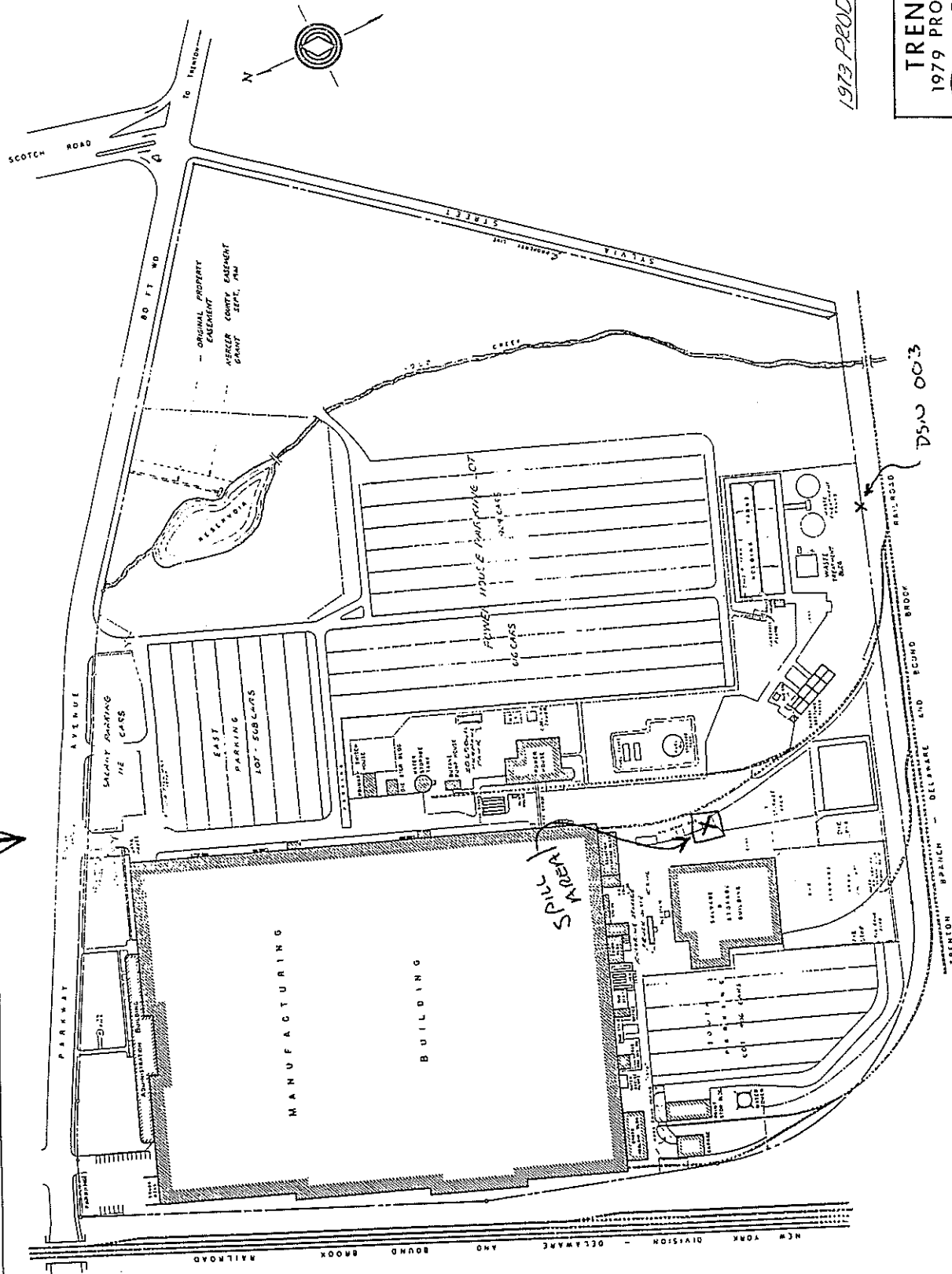

Roy J. Curley, Superintendent
Plant and Process Engineering

Attachments

TRE-100

1973 PRODUCTION

TRENTON
1979 PRODUCTION
TRE-100
PLOT PLAN
\$2450.00
EQUIPMENT PLANT: EQUIPMENT ACCESS INCLUDED



A vertical scale bar with markings at 0, 2, 4, 6, and 8, labeled "CENTIMETER SCALE".



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Form Approved OMB No. 2050-0039 Expires 9-30-94

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID 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						A. State Manifest Document Number NJA 1850303			
4. Generator's Phone ()						B. State Generator's ID (Gen. Site Address)			
5. Transporter 1 Company Name				6. US EPA ID Number		C. State Trans. ID-NJDEPE			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone ()			
9. Designated Facility Name and Site Address						E. State Trans. ID-NJDEPE			
10. US EPA ID Number						F. Transporter's Phone ()			
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)						12. Containers		13. Total Quantity	
						No. Type		Unit Wt/Vol	
a.									
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a. HAZARD OF WASTE:						a.			
b.						b.			
15. Special Handling Instructions and Additional Information									
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. If I am a large quantity generator, I certify that I have a 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		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name						Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name						Signature		Month 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		Month Day Year	



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL
PROTECTION AND ENERGY

CHRISTINE TODD WHITMAN
Governor

ROBERT C. SHINN, JR.
Commissioner

JUN 21 1994

David Worrell
Inland Fisher Guide
1445 Parkway Ave
Trenton, N.J. 08650-1019

RE: Discharge Confirmation Report for Case No. 94-1-25-1512-09

Dear Mr. Worrell:

Thank you for your discharge confirmation report of February 24, 1994 confirming your telephone notification made to the department's hotline on January 25, 1994.

After review of your Discharge Confirmation Report, the bureau finds that the requirements of N.J.A.C. 7:1E-5.8 have been satisfied. The report will become part of your facility's file and the incident will be reviewed with respect to the provisions of N.J.A.C. 7:1E-6.

If we have any further questions regarding this incident we will contact you. Your cooperation in this matter is greatly appreciated.

Sincerely,

Darryl C. Gennus, Chief
Field Verification Section
Bureau of Discharge Prevention

C. Gary Sobin, Senior Environmental Engineer



March 3, 1994

Bureau of Discharge Prevention
NJDEPE
401 East State Street
CN 027
Trenton, NJ 08625-0027

Re: NJDEPE Case No. 94-3-1-2110-39
NRC Case No. 224

The following discharge confirmation report is being submitted per NJAC 7:1E-5.8 for the Inland Fisher Guide Division, General Motors Corp., Trenton Plant. The required information is as follows:

1. Individual reporting the discharge:
Joseph Keller, Environmental Engineer, Inland Fisher Guide,
1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6383
2. Individual Submitting the confirmation report:
R.J. Curley, Superintendent Plant and Process Engineering,
(609) 771-6325.
3. Individual responsible as owner/operator:
GM is submitting this confirmation report as the owner/operator of the property which received the discharge, not because GM is responsible for the discharge. GM has reason to believe that the person responsible for the discharge did not report or provide written confirmation. The owner/operator of the property receiving the discharge is: Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6212.
4. Individual responsible for the discharge:
Mike Triplett, Truck Driver, Mohawk Trucking, 3399 East McNichols Ave, Detroit, MI 48212, (800) 682-4535
5. Owner/Operator of vehicle from which leak occurred:
Mohawk Trucking, 3399 East McNichols Ave, Detroit, MI 48212, (800) 682-4535
6. Source of the discharge:
Mohawk Tractor Trailer fuel tank. Tractor Reg. No. (OH) PAT 62H, Trailer No. 50574, Trailer Reg. No. (MI) A53828.
7. Location of the discharge:
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, Tax Lot & Block - Lot 1 in Block 343, Township of Ewing, Mercer County, EPA ID No. NJD 002353951. See Attached site plan.

8. Hazardous Substance discharged:
Diesel Fuel, CAS Number 064741599
9. Quantity of Hazardous Substance Discharged:
Estimated 15 to 20 gallons
10. Date and time discharge began:
March 1, 1994 at approximately 7:30 P.M.

Date and time discharge discovered:
March 1, 1994 at approximate 8:00 P.M.

Date and time discharge ended:
March 1, 1994 at approximately 8:00 P.M.

Date and time discharge reported:
March 1, 1994 at 9:10 P.M.
11. Measures taken to contain, cleanup and remove the discharge:

Lite-Dri absorbent and sand were used to contain and absorb the spilled diesel fuel. Oil absorbent containment booms were placed at stormwater inlets and outfalls. A stormwater diverter pump located in the East Drive parking lot area was turned from automatic to manual to pump the stormwater sump dry. The absorbent and sand were swept up and placed in a NJDEPE registered Hazardous Waste roll off container for disposal as an X725 Oily Debris Hazardous Waste. Costs incurred to respond to the discharge were \$960 in Labor, \$762.20 in material and \$1773 in disposal costs. See Attached NJ Hazardous Waste Manifest.
12. The corrective action or countermeasures taken:
The tractor trailer was removed by Mohawk driver Mike Triplett for repairs to the fuel tank.
13. Additional preventative measures taken :
None by Inland Fisher Guide
14. The names Address and telephone numbers of all entities involved in cleanup, or removal of the discharge:

All containment and cleanup was performed by Inland Fisher Guide Plant Personnel.

Disposal was via Wills Trucking, EPA ID No. OHDO68913409, 3185 Columbia Rd, Richfield, OH 44286 tel. no. (800) 321-3197 to U.S. Pollution Control's Echo Mountain Facility, P.O. Box 168 whose location is 1 mile west of Ward County Hwy No. 23 on County Rd. No. 20, Sawyer, ND 58781. tel. no. (701) 624-5622.

15. Sampling:

No samples were taken, the spill was contained on the paved area of the parking lot. There is a storm sewer in the area which drains to the diverter pump sump and there was some evidence that a small amount of fuel (less than one gallon) may have entered the inlet. The contents of the diverter pump sump were pumped to the Facilities Waste Water Treatment Plant and an oil absorbent boom placed in the sump. The spilled fuel did not reach soil or water areas. Oil absorbent containment booms were placed over stormwater outfalls as a precaution, but no observable oil sheen was seen in the storm water discharge area. The storm sewer involved discharges at NJPDES permit No. NJ0053295 DSN 001 which is sampled on a monthly basis.

16. Results of Sampling:
Not applicable.

17. Financial responsibility:

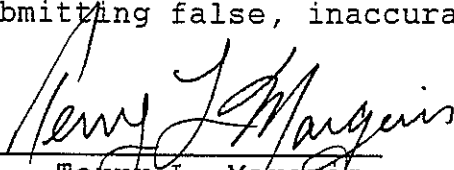
For the reasons stated above in paragraph Number 3, General Motors is not financially responsible for this discharge. However, financial responsibility pursuant to N.J.A.C. 7:1E-4.5 and submitted to the Department pursuant to N.J.A.C 7:1E-4.4 (a) 9 is in full force and effect.

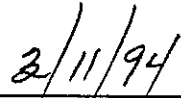
Justification of Reporting Delay per 7:1E-5.6:

The spill was discovered during Second Shift operations. Plant Security called Mr. Keller who notified the NJDEPE and National Response center after arrival at the facility and when spill response and cleanup operations had been initiated. Mr Keller is a Plant Environmental Engineer and responsible for spill response coordination and notification to the required agencies.

Certification Statement per 7:1E-4.11:

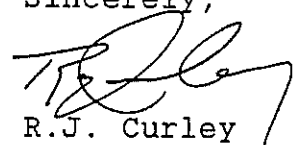
I certify under penalty of law that I have personally examined and am familiar with the information in this report and attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information.


Terry L. Marquis
Plant Manager


Date

If you have any questions concerning this report please contact me at (609) 771-6325 or Joseph Keller at (609) 771-6383

Sincerely,

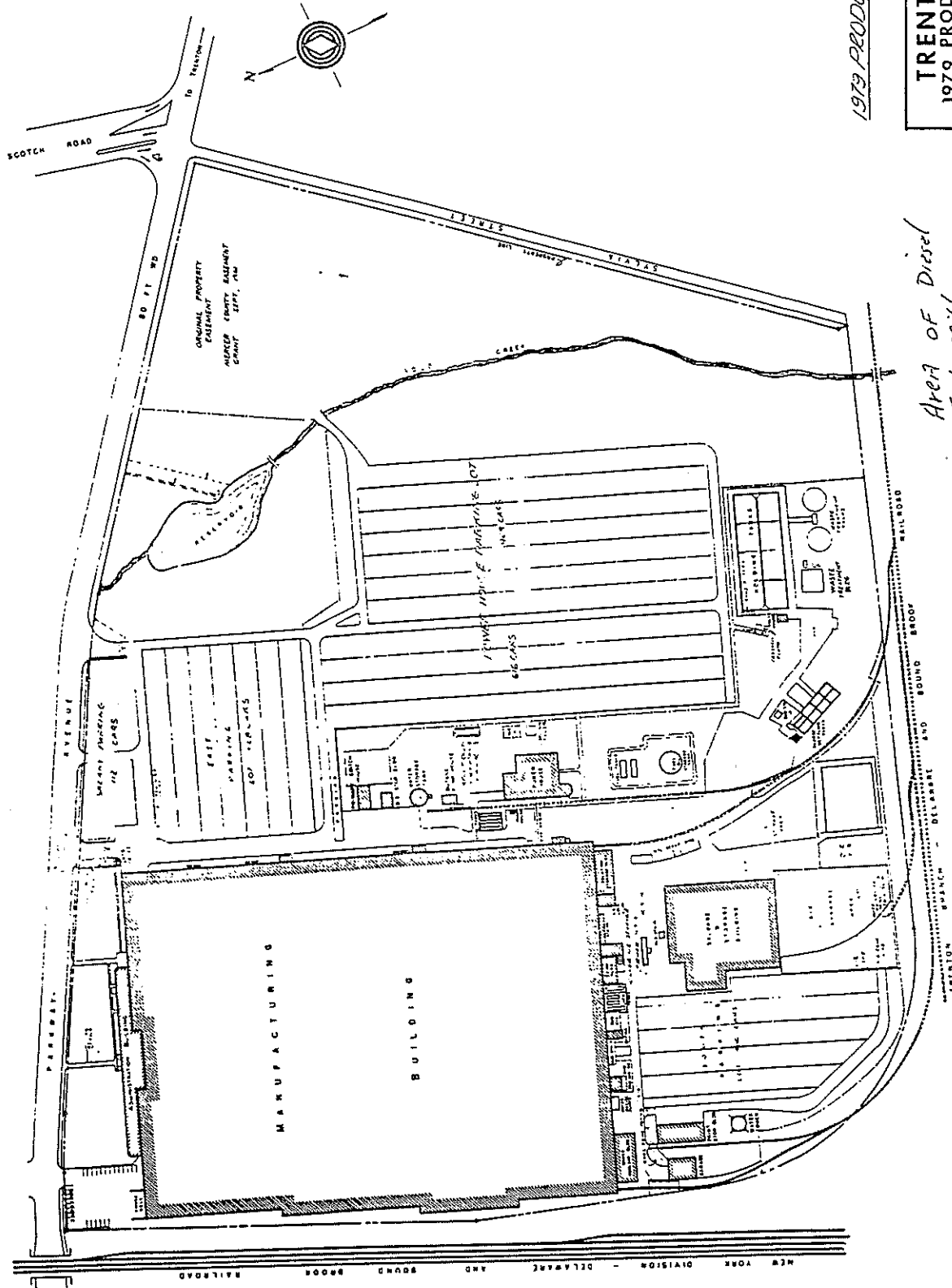

R.J. Curley
Superintendent Plant
and Process Engineering

cc:Ms Michelle Fisher, GM Legal Staff
Mohawk Trucking

Attachments

jk

TRE-100



Area of Diesel
Fuel spill

1979 PRODUCTION

TRENTON
1979 PRODUCTION
TRE-100
PLOT PLAN
SCALE 1/4" = 100'
TICKING PLANTS DEPARTMENT 4/24/80
PROJECT 5234 BUDGET 1.8K

GRAPHIC SCALE



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID 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 IN THE FISHBONE LITIGATION - ONE 115 PARKWAY TRENTON, NJ 08630				A. State Manifest Document Number NJA 1850322		
4. Generator's Phone (609) 771-6106				B. State Generator's ID (Gen. Site Address)		
5. Transporter 1 Company Name WILLIAM HARRIS		6. US EPA ID Number 000000000000000000		C. State Trans. ID-NJDEPE 000000000000000000		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (609) 771-6106		
9. Designated Facility Name and Site Address US POLLUTION CONTROL, INC., ECHO MOUNTAIN FACILITY 1 MILE WEST OF WARD COUNTY HQT NO. 23 ON COUNTY ROAD NO. 20, P.O. BOX 168 BAVER, ND 58001		10. US EPA ID Number		E. State Trans. ID-NJDEPE 000000000000000000		
				F. Transporter's Phone (609) 771-6106		
				G. State Facility's ID 000000000000000000		
				H. Facility's Phone (701) 824-6022		
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM a. WASTE OIL & DEBRIS NON-PCRA HAZARDOUS, NOT DOT REGULATED				12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
				001 CM	8M 20	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
a.				a.		
b.				b.		
15. Special Handling Instructions and Additional Information 24 HOUR PHONE (609) 771-6200 W. DEBRIS (DIRT, FLOOD BLOCK, WOOD, PLASTIC AND METAL) 95%; OIL 5% ECHO MOUNTAIN ACCEPTANCE # EM 92-00326M TRAILER USPL 30106						
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. If I am a large quantity generator, I certify that I have a 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 S. M. HARRIS				Signature <i>S. M. Harris</i>		Month Day Year 03/16/94
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name DAVE OMARD				Signature <i>Dave Omard</i>		Month Day Year 03/16/94
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Month 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		Month Day Year



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

Environmental Safety, Health and Analytical Programs
CN 424

Trenton, N.J. 08625-0424

Tel:(609) 984-7573

Fax:(609) 633-7031

CHRISTINE TODD WHITMAN
Governor

ROBERT C. SHINN, JR.
Commissioner

Mr. R.J. Curley
Superintendent Plant and Process Engineering
Inland Fisher Guide Division
1445 Parkway Avenue
Trenton, NJ 08650-1019

JUN 16 1994

RE: Discharge Confirmation Report for Case No. 94-03-01-2110-39

Dear Mr. Curley:

Thank you for your discharge confirmation report of March 17, 1994 confirming your telephone notification made to the NJDEPE hotline on March 1, 1994 by Mr. Joseph Keller.

After review of your Discharge Confirmation Report, the Bureau of Discharge Prevention finds that the requirements of N.J.A.C. 7:1E-5.8 are satisfied. The report will become part of your facility's file, and the incident will be reviewed with respect to the provisions of N.J.A.C. 7:1E-6.

If we have any further questions regarding this incident we will contact you.

Your cooperation in this matter is greatly appreciated.

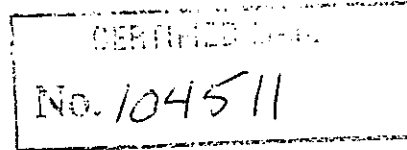
Sincerely,

Darryl C. Jennus, Chief
Field Verification Section
Bureau of Discharge Prevention

c: Stafford Stewart, Project Manager

April 27, 1994

Bureau of Discharge Prevention
NJDEPE
401 East State Street
CN 027
Trenton, NJ 08625-0027



Re: NJDEPE Case No. 94-328-0756-00
NRC Case No. 231-9:42

- ▲ The following discharge confirmation report is being submitted per NJAC 7:1E-5.8 for the Inland Fisher Guide Division, General Motors Corp., Trenton Plant. The required information is as follows:

1. Individual reporting the discharge:
David Worrell, Environmental Engineer, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6289
2. Individual Submitting the confirmation report:
R.J. Curley, Superintendent Plant and Process Engineering, (609) 771-6325.
3. Individual responsible as owner/operator:
Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6212.
4. Individual responsible for the discharge:
Stephen Mihalow, Waste Water Treatment Plant Supervisor, Inland Fisher Guide, 1445 Parkway Ave., Trenton, NJ (609)-771-6466.
5. Owner/Operator of facility from which discharge occurred:
General Motors Corporation/Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Ave., Trenton, NJ 08650. (609) 771-6212.
- 6 Source of the discharge:
The Waste Water Treatment Plant's batch treatment tanks were found to be over flowing at the start of first shift operations on March 28, 1994. The batch treatment tanks collect the process waste waters from the facilities Electroplating process. The Waste Water Treatment Plant also

receives storm water run off from various paved areas of the facility. The overflow condition was attributed to heavy rainfall the previous night. The heavy rains occurred during a weekend shutdown. The Waste Water Treatment Facility is located at Inland Fisher Guide, 1445 Parkway Ave., Trenton NJ 08650

- 7 Location of the discharge:
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650,
Tax Lot & Block - Lot 1 in Block 343, Township of Ewing,
Mercer County, EPA ID No. NJD 002353951. See Attached site
plan.
8. Hazardous Substance discharged:
F006 Electroplating operations waste water.
9. Quantity of Hazardous Substance Discharged:
See attached estimate calculation sheet.
10. Date and time discharge began:
March 28, 1994 between Midnight and 6:15 AM

Date and time discharge discovered:
March 28, 1994 at 6:15 A.M.

Date and time discharge ended:
March 28, 1994 at 6:30 A.M.

Date and time discharge reported:
March 28, 1994 at 7:56 A.M.
11. Measures taken to contain, cleanup and remove the discharge:
The discharge was stopped, and standing water was vacuumed
up and pumped back into the Waste Water Treatment Tanks.
Vacuum equipment was decontaminated. All cleanup was
accomplished with on site Plant Personnel.
12. The corrective action or counter measures taken:
The treatment tank high level alarm system was tested by
Plant Maintenance personnel and found to be working. The
preventative maintenance inspection procedure of the alarm
system has been updated to provide for testing prior to
every weekend shutdown. The Plant Security desk, where the
alarm system readout is located, will continue to be manned
24 hours a day, seven days a week.

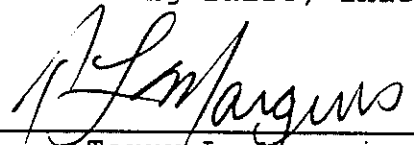
13. Additional preventative measures taken :
Visual inspections of the levels in the Waste Water Treatment Facility Tanks are to be made on an increased schedule on weekends by Plant Security Patrols.
14. The names Address and telephone numbers of all entities involved in cleanup, or removal of the discharge:
All containment and cleanup was performed by Inland Fisher Guide Plant Personnel.
15. Sampling:
Samples were taken at the point of discharge by David Service, Waste Water Treatment Plant Operator, at the time of the discharge's discovery and sent to EMSL Analytical, 108 Haddon Avenue, Westmont, NJ 08108. EMSL is a NJ certified Analytical Laboratory.
16. Results of Sampling:
See Attached Analytical Services Report.
17. Financial responsibility:
Financial responsibility pursuant to N.J.A.C. 7:1E-4.5 and submitted to the Department pursuant to N.J.A.C 7:1E-4.4 (a) 9 is in full force and effect.

Justification of Reporting Delay per 7:1E-5.6:

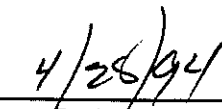
The spill was discovered at 6:15 AM. Mr. Worrell was notified of the discharge upon arrival at the facility at 7:00 AM. Mr Worrell notified the NJDEPE and the National Response Center after investigating the source of the discharge and initiating spill response and cleanup operations. Mr Worrell is a Plant Environmental Engineer and responsible for spill response coordination and notification to the required agencies.

Certification Statement per 7:1E-4.11:

I certify under penalty of law that I have personally examined and am familiar with the information in this report and attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information.



Terry L. Marquis
Plant Manager



Date

If you have any questions concerning this report please contact me at (609) 771-6325 or David Worrell at (609) 771-6289

Sincerely,



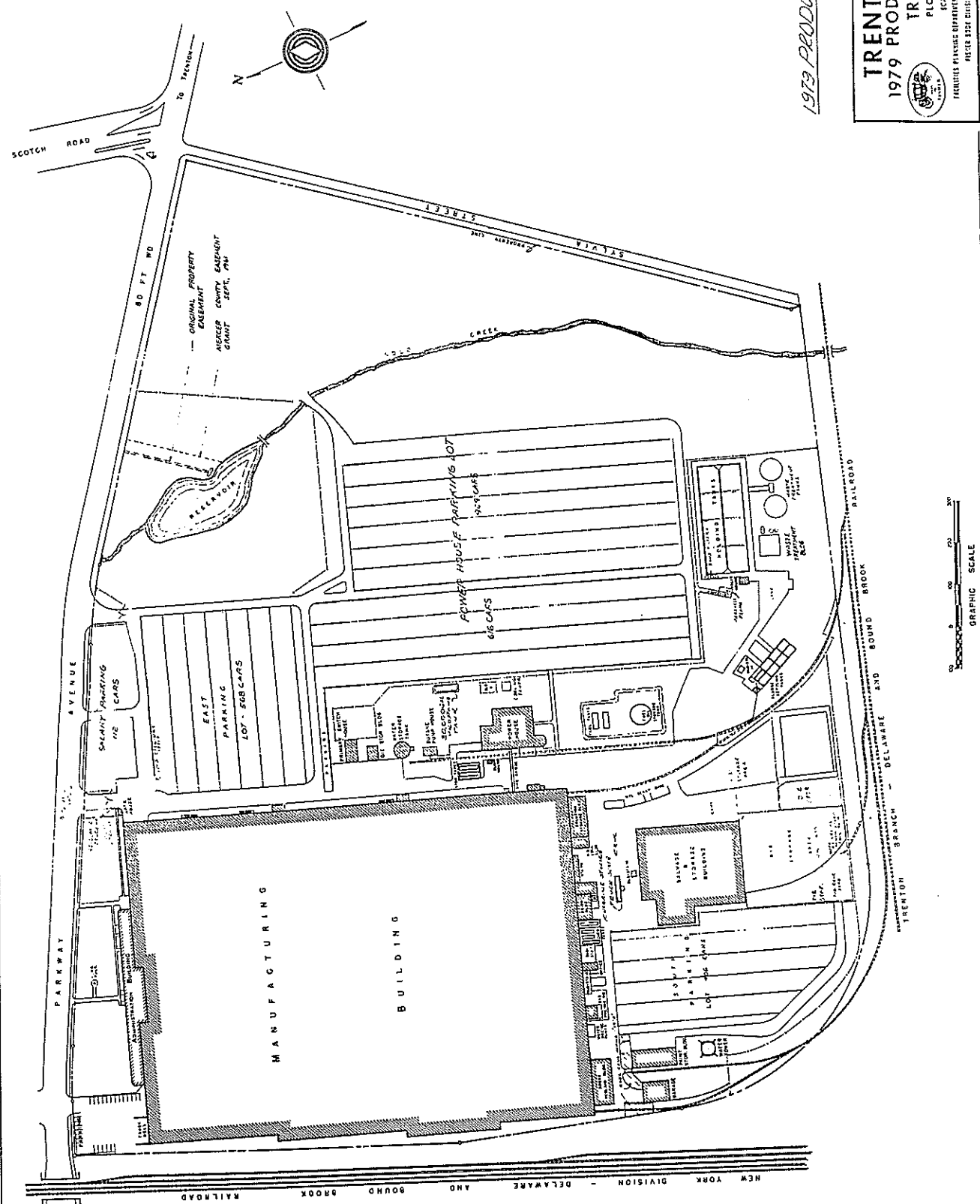
R.J. Curley
Superintendent Plant
and Process Engineering

cc:Ms Michelle Fisher, GM Legal Staff

Attachments

jk

TRE-100



1979 PRODUCTION

TRENTON
1979 PRODUCTION
TRE-100
PLOT PLAN
SCALE NONE
TRENTHAM PLANNING DEPARTMENT KING LEONARD
PLANS 3321 3322 3323 3324

Inland Fisher Guide
1445 Parkway Avenue
Trenton, NJ 08650

Calculations for Waste Water Treatment Tank Discharge on
March 28, 1994

1. From 10:30 AM Sunday March 27, 1994 to 6:30 AM Monday March 28, 1994 there were 20 hours during which the Waste Treatment Plant was unattended.

2. At 10:30 AM Sunday:

Tanks full were Nos. 8, 7, 4, 3 and 1/2 of 2
Tanks empty were Nos. 6, 5 and 1

3. At 6:30 AM Monday:

Tanks full were Nos. 8, 7, 6, 4, 3, 2, and 1
Tanks empty, No. 5 had 1 foot of water

4. Water collected from 10:30 AM Sunday to 6:30 AM Monday:

Tank No. 1	144,000 Gal.
Tank No. 6	144,000 Gal.
Tank No. 2	72,000 Gal
Tank No. 5	<u>14,000 Gal.</u>
Total	374,000 Gal

5. Flow rate from the Manufacturing Facility to the Waste Treatment Facility: 12,000 Gal/hour

$12,000 \text{ Gal/hour} \times 20 \text{ hours} = 240,000 \text{ Gal.}$

6 Rainwater calculations:

1. East Parking lot has a sump pump which pumps parking lot stormwater runoff to the Waste Treatment Facility.
The pump is rated at 60 GPM

$60 \text{ GPM} \times 60 \text{ Min.} \times 20 \text{ Hours} = 72,000 \text{ Gal.}$

2. The South East Area's stormwater runoff is collected by the Waste Treatment facility. The area is 75% concrete pavement and 25 % unimproved land.

The Runoff coefficient for concrete is .90

The runoff coefficient for unimproved areas is .20

$(75) \times (.90) + (25) \times (.20) = \text{average runoff coefficient of } 72.5\%$

$(\text{rainfall}) \times (\text{land area}) \times (\text{conversion factor}) \times (\text{runoff coefficient}) = \text{stormwater runoff}$

$(0.075) \times (247,196) \times (7.48) \times (0.725) = 100,541 \text{ Gal.}$

7. Total Discharge:

Total Flow to Waste Treatment:

Manufacturing Building	240,000 Gal.
East Parking Lot	72,000 Gal.
South East Area	<u>100,541 Gal.</u>
Total	412,541 Gal.

Amount collected	374,000 Gal
------------------	-------------

Estimated discharge amount	38,000 Gal.
----------------------------	-------------



ANALYTICAL SERVICES

environmental

materials

asbestos

Corporate Office &
Main Laboratory

108 Haddon Avenue
Westmont, NJ 08108
(609) 858-4800

New Jersey
3 Cooper Street
Westmont, NJ 08108
(609) 858-9573

1056 Stelton Road
Piscataway, NJ 08854
(908) 981-0550

Georgia
1600 Roswell Street, SE
Suite One
Smyrna, GA 30080
(404) 333-6066

California
1720 S. Amphlett Boulevard
Suite 130
San Mateo, CA 94402
(415) 570-5401

Michigan
212 S. Wagner Road
Ann Arbor, MI 48103
(313) 668-6810

04/11/1994

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

The following report covers the analysis performed on samples submitted to EMSL Analytical on 03/28/1994. The results are tabulated on the attached data pages for the following client designated project:

Treatment Plant, PO#FTB00529

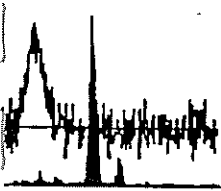
The reference number for these samples is EMSL Project # 9403891. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (609) 858-9573.

Reviewed and Approved By:

Paul Laraia

Paul Laraia, Jr.
Laboratory Manager
NJ Certification No:04653



Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

Project #: 9403891
Date Received: 03/28/94 13:30

The following results are for Chromium

Lab #	Conc.	Unit	Client Designation
94 0006309	0.21	mg/l	Waste Water-Grab

The following results are for Copper

Lab #	Conc.	Unit	Client Designation
94 0006309	0.63	mg/l	Waste Water-Grab

The following results are for Nickel

Lab #	Conc.	Unit	Client Designation
94 0006309	1.5	mg/l	Waste Water-Grab

The following results are for Lead

Lab #	Conc.	Unit	Client Designation
94 0006309	0.022	mg/l	Waste Water-Grab

The following results are for Total Cyanide

Lab #	Conc.	Unit	Client Designation
94 0006309	0.015	mg/l	Waste Water-Grab

The following results are for Zinc

Lab #	Conc.	Unit	Client Designation
94 0006309	5.1	mg/l	Waste Water-Grab

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- . "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- . "Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
- . Code of Federal Regulations Vol. 40, Part 261, "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)".
- . "Standard Methods for the Examination of Water and Wastewater", 15th, 16th and 17th editions.
- . "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, March 1983, EMSL.
- . "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- . "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988.

DEFINITIONS

U: Not Detected
B: Compound found in method blank
E: Estimated Concentration
J: Compound detected, however below report detection limit.
NFL: No Free Liquid
NR: Not Reactive
NA: Not Applicable
NS: Not Requested
NI: Not Ignitable

COMMENTS

All soil samples are calculated on a dry weight basis except as noted.

PO#

1. Clients Name/Address/Telephone No./ Contact Person			2. Sampling Site Address and / or Project						72 hr.											
3. Sampled by (Signature)		4. # of Samples in Shipment		5. Date of Sample Shipment		6. Date Results Needed														
Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix				Method Preserved		Sampling		Number of Containers		Indicate Analysis Requested		Laboratory Number			
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE	OTHER	Date	Time			
1		Mastewater Treatment Plant		☒	☒											3-28-94	6:15 AM	2	1	LC 3051
2		Pennhouse (Coarse Sand)														3-29-94	10:00 AM	1	1	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
Released by (Signature)		Date/Time Released	Delivery Method		Received by (Signature)		Company/Agency Affiliation		Date/Time Received	Condition Noted										
<i>[Signature]</i>		3-28-94 11:20			<i>[Signature]</i>		EPA SC		3-28-94 1:00											
		1			<i>[Signature]</i>		EPA SC		3/28/94 13:30											
Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)																				
Comments: <i>NOTE THE RESULTS SAMPLES WERE IN FILLIERS FOR PENDING ISK</i>																				
Please indicate reporting requirements: 1) Results only 2) Results & QC 3) Reduced Deliverables																				

3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

EMSL Project #

PO #

Sant Jo. Pinetree

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Clients Name/Address/Telephone No./ Contact Person

2. Sampling Site Address and / or Project

Indicate Analysis Requested

3. Sampled by (Signature)

4. # of Samples in Shipment

5. Date of Sample Shipment

6. Date Results Needed

7. Sampled by (Signature)

8. Station Location / Sample ID

9. Date

Time

10. Sample Number

11. Station Location / Sample ID

12. Date

Time

13. Sample Number

14. Station Location / Sample ID

15. Date

Time

16. Sample Number

17. Station Location / Sample ID

18. Date

Time

19. Sample Number

20. Station Location / Sample ID

21. Date

Time

22. Sample Number

23. Station Location / Sample ID

24. Date

Time

25. Sample Number

26. Station Location / Sample ID

27. Date

Time

28. Sample Number

29. Station Location / Sample ID

30. Date

Time

31. Sample Number

32. Station Location / Sample ID

33. Date

Time

34. Sample Number

35. Station Location / Sample ID

36. Date

Time

37. Sample Number

38. Station Location / Sample ID

39. Date

Time

38. Sample Number

39. Station Location / Sample ID

40. Date

Time

39. Sample Number

40. Station Location / Sample ID

41. Date

Time

40. Sample Number

41. Station Location / Sample ID

42. Date

Time

41. Sample Number

42. Station Location / Sample ID

43. Date

Time

42. Sample Number

43. Station Location / Sample ID

44. Date

Time

43. Sample Number

44. Station Location / Sample ID

45. Date

Time

44. Sample Number

45. Station Location / Sample ID

46. Date

Time

45. Sample Number

46. Station Location / Sample ID

47. Date

Time

46. Sample Number

47. Station Location / Sample ID

48. Date

Time

47. Sample Number

48. Station Location / Sample ID

49. Date

Time

48. Sample Number

49. Station Location / Sample ID

50. Date

Time

49. Sample Number

50. Station Location / Sample ID

51. Date

Time

50. Sample Number

51. Station Location / Sample ID

52. Date

Time

51. Sample Number

52. Station Location / Sample ID

53. Date

Time

52. Sample Number

53. Station Location / Sample ID

54. Date

Time

53. Sample Number

54. Station Location / Sample ID

55. Date

Time

54. Sample Number

55. Station Location / Sample ID

56. Date

Time

55. Sample Number

56. Station Location / Sample ID

57. Date

Time

Laboratory Number

Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

Sant Jo: Princeton

CMOL Project # _____
PO # _____

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Clients Name/Address/Telephone No./ Contact Person				2. Sampling Site Address and / or Project				3. Sampled by (Signature)		4. # of Samples in Shipment		5. Date of Sample Shipment		6. Date Results Needed						
Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved					Sampling		Number of Containers		Indicate Analysis Requested	Laboratory Number
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE	OTHER	Date	Time			
1	60145	402															3/22		1	✓
2	60149	402															3/22		1	✓
3	60155	402															3/22		1	✓
4	60160	402															"		1	✓
5	60207	402															3/24		1	✓
6	60244	1. N ₂ O ₄															3/25		1	✓
7	60309	500m N ₂ O ₄															3/28		1	✓
8																				
9																				
10																				
Released by (Signature)		Date/Time Released		Delivery Method		Received by (Signature)		Company/Agency Affiliation		Date/Time Received		Condition Noted								
S. K. K. K.		3/24/99		7.0m N ₂ O ₄		S. K. K. K.		PTC		3/24/99										

Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)

Comments:
Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables



State of New Jersey
Department of Environmental Protection and Energy
ENVIRO SAFETY HEALTH & ANALYTICAL PROGRAMS
CN 424
TRENTON, NJ 08625
TEL: 609 292-1690
FAX: 609 633-7031

Robert C. Shinn, Jr.
Commissioner

MAY 23 1994

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

R.J. Curley
Superintendent Plant and Process Engineering
Inland Fisher Guide Division
General Motors Corporation
Trenton Plant
1445 Parkway Avenue
Trenton, NJ 08650-1019

RE: Discharge Confirmation Report for Case No. 94-03-28-0756-00

Dear Mr. Curley:

Thank you for your discharge confirmation report of March 29, 1994 regarding the above referenced Case Number.

I appreciate your confirmation and the opportunity to clarify the Department's rules for notification and reporting of discharges of hazardous substances.

Upon review of the report, the following deficiencies were discovered:

1. Since your discharge entered the waters of the state the name of the water body, latitude and longitude of the place where the discharge originated, and a map identifying affected areas.
2. For your sampling results, the QA/QC procedures used in sample collection and analysis and the description of sample methodology.
3. The certification pursuant to N.J.A.C. 7:1E-4.11 (Certification A).

These deficiencies must be addressed in order for your report to satisfy the requirements of N.J.A.C. 7:1E-5.8(b). The required information must be submitted to Ann Ryan of the Bureau of Discharge Prevention within 30 calendar days of receipt of this correspondence.

Should you have any questions regarding this correspondence

please contact Ann Ryan, of my staff at (609) 292 - 1690 or Fax #
(609) 633-7031.

- . Your cooperation in this matter is greatly appreciated.

Sincerely,

Frank J. Cosolito /for

Darryl Jennus, Chief
Field Verification Section
Bureau of Discharge Prevention

c: Ann Ryan, Environmental Engineer



**INLAND
FISHER GUIDE**

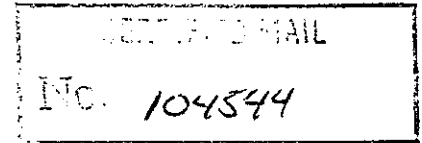
Inland Fisher Guide Division
General Motors Corporation
Trenton Plant

1445 Parkway Avenue
Trenton, New Jersey 08650-1019

June 24, 1994

New Jersey Department of Environmental
Protection and Energy
Enviro Safety Health & Analytical Programs
CN 424
Trenton, NJ 08625

RECEIVED REQUESTED



Re: Discharge Confirmation report for Case No. 94-03-28-0756-00

Dear Ms Ryan:

Enclosed is a revised Discharge Confirmation Report for NJDEPE Case No. 94-03-28-0756-00. The following deficiencies as noted on your letter of May 23, 1994 have been corrected:

1. A detailed map of the area the discharge originated which includes the latitude and longitude of the discharge area is enclosed.
2. The QA/QC procedures used in the sample collection and analysis has been provided and is enclosed.
3. The certification statement pursuant to N.J.A.C. 7:1E-4.11 has been changed to Certification A.

If you have any further questions please contact me or Joseph Keller, Plant Environmental Engineer, at (609) 771-6275.

Sincerely,

John Carozza
Superintendent Plant and
Process Engineering



INLAND FISHER GUIDE

Inland Fisher Guide Division
General Motors Corporation
Trenton Plant

1445 Parkway Avenue
Trenton, New Jersey 08650-1019

June 24, 1994

Bureau of Discharge Prevention
NJDEPE
401 East State Street
CN 027
Trenton, NJ 08625-0027

RE: NJDEPE Case No. 94-328-0756-00
NRC Case No. 231-9:42

The following discharge confirmation report is being submitted per NJAC 7:1E-5.8 for the Inland Fisher Guide Division, General Motors Corp., Trenton Plant. The required information is as follows:

1. Individual reporting the discharge:
David Worrell, Environmental Engineer, Inland Fisher Guide,
1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6289
2. Individual Submitting the confirmation report:
John Carozza, Superintendent Plant and Process Engineering,
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650,
(609) 771-6275.
3. Individual responsible as owner/operator:
Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445
Parkway Avenue, Trenton, NJ, 08650 (609) 771-6212.
4. Individual responsible for the discharge:
Stephen Mihalow, Wastewater Treatment Plant Supervisor,
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650,
(609) 771-6466
5. Owner/Operator of facility from which discharge occurred:
General Motors Corporation/Terry L. Marquis, Plant Manager,
Inland Fisher Guide, 1445 Parkway Ave., Trenton, NJ 08650,
(609) 771-6212
6. Source of the discharge:
The Wastewater Treatment Plant's batch treatment tanks were
found to be over flowing at the start of the first shift
operations on March 28, 1994. The batch treatment tanks
collect the process waste waters from the facilities
electroplating process. The Wastewater Treatment Plant also

receives storm water run off from various paved areas of the facility. The overflow condition was attributed to heavy rainfall the previous night. The heavy rains occurred during a weekend shutdown. The Wastewater Treatment Facility is located at Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650.

7. Location of the discharge:
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650,
Tax Lot & Block- Lot 1 in Block 343, Township of Ewing,
Mercer County, EPA ID No. NJD 002353951. See Attached Map.
8. Hazardous Substance discharged:
F006 Electroplating operations waste water.
9. Quantity of Hazardous Substance Discharged:
See attached estimate calculation sheet.
10. Date and time discharge began:
March 28, 1994 between Midnight and 6:15 AM

Date and Time discharge discovered:
March 28, 1994 at 6:15 AM

Date and time discharge ended:
March 28, 1994 at 6:30 AM

Date and time discharge reported:
March 28, 1994 at 7:56 AM
11. Measures taken to contain, cleanup and remove the discharge:
The discharge was stopped, and standing water was vacuumed up and pumped back into the Wastewater Treatment tanks. Vacuum equipment was decontaminated. All cleanup was accomplished with on site plant personnel.
12. The corrective action or counter measures taken:
The treatment tank high level alarm system was tested by plant maintenance personnel and found to be working. The preventative maintenance inspection procedure of the alarm system has been updated to provide for testing prior to every weekend shutdown. The Plant Security desk, where the alarm system readout is located, will continue to be manned 24 hours a day, seven days a week.

13. Additional preventative measures taken:
Visual inspections of the levels in the Wastewater Treatment Tanks are to be made on an increased schedule on weekends by Plant Security patrols.
14. The names addresses and telephone numbers of all entities involved in cleanup, or removal of the discharge:
All containment and cleanup was performed by Inland Fisher Guide plant personnel.
15. Sampling:
Samples were taken at the point of discharge by David Service, Wastewater Treatment Plant Operator, at the time of the discharge's discovery and sent to EMSL Analytical, 108 Haddon Avenue, Westmont, NJ 08108. EMSL is a NJ Certified analytical laboratory. Copies of the sampling procedure and protocols used are attached.
16. Results of Sampling:
Attached is the Analytical Services report as well as the QA/QC Laboratory Data for the samples.
17. Financial responsibility:
Financial responsibility pursuant to N.J.A.C. 7:1E-4.5 has been submitted to the Department pursuant to N.J.A.C. 7:1E-4.4 (a) 9 is in full force and effect.

Justification of Reporting Delay per 7:1E-5.6:

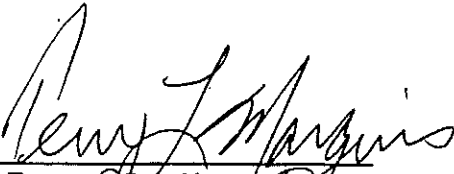
The spill was discovered at 6:15 AM. Mr Worrell was notified of the discharge upon arrival at the facility at 7:00 AM. Mr. Worrell notified the NJDEPE and the National Response Center after investigating the source of the discharge and initiating spill response and cleanup operations. Mr. Worrell is a plant Environmental Engineer and responsible for spill response coordination and notification to the required agencies.

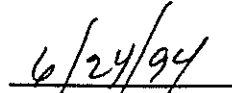
Confirmation Report
June 24, 1994

page 4

Certification Statement per 7:1E-4.11:

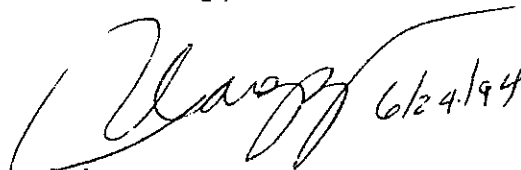
I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including fines or imprisonment or both, for submitting false, inaccurate or incomplete information.


Terry L. Marquis
Plant Manager


Date

If you have any questions concerning this report please contact me or Joseph Keller, Plant Environmental Engineer, at (609) 771-6275.

Sincerely,


John Carozza
Superintendent Plant and
Process Engineering

cc: Ms Michelle Fisher, GM Legal Staff

Attachments

jk

ANALYTICAL SERVICES



EMSL

environmental
materials

asbestos

Corporate Office &
Main Laboratory

108 Haddon Avenue
Westmont, NJ 08108
(609) 858-4800

New Jersey
3 Cooper Street
Westmont, NJ 08108
(609) 858-9573

1056 Stelton Road
Piscataway, NJ 08854
(908) 981-0550

Georgia
1600 Roswell Street, SE
Suite One
Smyrna, GA 30080
(404) 333-6066

California
1720 S. Amphlett Boulevard
Suite 130
San Mateo, CA 94402
(415) 570-5401

Michigan
212 S. Wagner Road
Ann Arbor, MI 48103
(313) 668-6810

June 14, 1994

Attn.: Joe Keller
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

Dear Mr. Keller:

Regarding the analyses performed by EMSL Analytical on your Treatment Plant sample, EMSL Project #9403891, I have included information regarding these tests. All analyses were performed by approved methodologies within approved holding times.

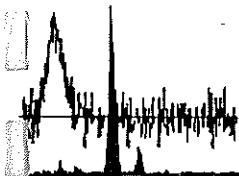
A summary of methodologies is included as well as standard sampling protocol for your review. You should already have a copy of EMSL's QA/QC plan on file. If you should require another copy please let me know.

Sincerely,



Paul V. Laraia
Laboratory Manager

PVL:mad



Metals - Aqueous

This is a procedure used to determine metals concentrations in aqueous matrices. It involves an acidic digestion under oxidizing conditions of approximately 25 milliliters of sample. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. The digested sample is filtered and diluted to 25 milliliters. The analysis is performed by ICP, furnace atomic absorption or flame atomic absorption. Reference methods are SW-846 3rd Edition, September 1986, Revised July 1992, EPA Methods for the Chemical Analysis of Water and Wastes, Revised, March 1983 and Methods for the Determination of Metals in Environmental Samples EPA/600/4-91/010 June 1991.

Cyanide

An aliquot of sample is acidified under analysis conditions liberating cyanide as HCN. A distillation follows leaving behind interferences and scrubbing the distilled HCN in sodium hydroxide solution. An aliquot of the NaOH solution is analyzed colorimetrically for cyanide ion. Reference method is EPA Method 335.2.

Attn: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Project #: 9403891

EMSL

S P I K E A C C U R A C Y D A T A

QC Number: 5797									
Analyte	SR	SSR	SA	%R	SUL	SLL	Det	Date	Sample #
Nickel	0	1.199	1	120	125	75	03/30/94	94-	0005141
QC Number: 5800									
Analyte	SR	SSR	SA	%R	SUL	SLL	Det	Date	Sample #
Chromium	.003	.414	.4	103	125	75	03/30/94	94-	0005141
QC Number: 5803									
Analyte	SR	SSR	SA	%R	SUL	SLL	Det	Date	Sample #
Copper	.03	.552	.5	104	125	75	03/30/94	94-	0005679
QC Number: 5815									
Analyte	SR	SSR	SA	%R	SUL	SLL	Det	Date	Sample #
Lead	.0036	.0441	.04	101	125	75	03/31/94	94-	0006308
QC Number: 5817									
Analyte	SR	SSR	SA	%R	SUL	SLL	Det	Date	Sample #
Zinc	.541	1.677	1	114	125	75	03/31/94	94-	0005229

P R E C I S I O N D A T A

QC Number: 5797								
Test Name	SR	Dup SR	Dup RPD	DUL	Sample #	Det	Date	
Nickel	1.199	1.202	.249895	20	94- 0005141	03/30/94		

Definitions of abbreviations:

AUL & ALL: Acceptable Upper and Lower QC limits for QCRS.

BDL: Below Detection Limit. DUL: Duplicate Upper Limit as % RSD.

QCRS: Quality Control Recovery Sample

SR,SSR,SA: Sample Result, Sample Spike Result, Spike Added.

SUL & SLL: Spike Sample Upper and Lower QC Limits.

Attn: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Project #: 9403891

EMSL

P R E C I S I O N D A T A continued

QC Number: 5800							
Test Name	SR	Dup SR	Dup RPD	DUL	Sample #	Det Date	
Chromium	.414	.415	.241254	20 94-	0005141	03/30/94	
QC Number: 5803							
Test Name	SR	Dup SR	Dup RPD	DUL	Sample #	Det Date	
Copper	.552	.55	.362976	20 94-	0005679	03/30/94	
QC Number: 5815							
Test Name	SR	Dup SR	Dup RPD	DUL	Sample #	Det Date	
Lead	.0441	.0447	1.35135	20 94-	0006308	03/31/94	
QC Number: 5817							
Test Name	SR	Dup SR	Dup RPD	DUL	Sample #	Det Date	
Zinc	1.677	1.712	2.06550	20 94-	0005229	03/31/94	

Q. C. R. S. A C C U R A C Y D A T A

QC Number: 5797							
Analyte	True Value	Measured	% Rec	AUL	ALL	Det Date	
Nickel	1.00	1.097	109.7	110	90	03/30/94	
QC Number: 5800							
Analyte	True Value	Measured	% Rec	AUL	ALL	Det Date	
Chromium	0.400	0.425	106.3	110	90	03/30/94	

Definitions of abbreviations:

AUL & ALL: Acceptable Upper and Lower QC limits for QCRS.

BDL: Below Detection Limit. DUL: Duplicate Upper Limit as % RSD.

QCRS: Quality Control Recovery Sample

SR,SSR,SA: Sample Result, Sample Spike Result, Spike Added.

SUL & SLL: Spike Sample Upper and Lower QC Limits.

Attn: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Project #: 9403891

EMSL

Q. C. R. S. A C C U R A C Y D A T A continued

QC Number: 5803

Analyte	True Value	Measured	% Rec	AUL	ALL	Det Date
Copper	0.500	0.528	105.6	110	90	03/30/94

QC Number: 5815

Analyte	True Value	Measured	% Rec	AUL	ALL	Det Date
Lead	0.0400	0.0406	101.5	110	90	03/31/94

QC Number: 5817

Analyte	True Value	Measured	% Rec	AUL	ALL	Det Date
Zinc	1.00	0.98	98.0	110	90	03/31/94

QC Number: 5797

Test Name	Detection Limit	Blank Result	Unit	Det Date
Nickel	.1	.002	mg/l	03/30/94

QC Number: 5800

Test Name	Detection Limit	Blank Result	Unit	Det Date
Chromium	.08	.024	mg/l	03/30/94

QC Number: 5803

Test Name	Detection Limit	Blank Result	Unit	Det Date
Copper	.08	.022	mg/l	03/30/94

Definitions of abbreviations:

AUL & ALL: Acceptable Upper and Lower QC limits for QCRS.

BDL: Below Detection Limit. DUL: Duplicate Upper Limit as % RSD.

QCRS: Quality Control Recovery Sample

SR,SSR,SA: Sample Result, Sample Spike Result, Spike Added.

SUL & SLL: Spike Sample Upper and Lower QC Limits.

Attn: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Project #: 9403891

EMSL

METHOD BLANK DATA continued

QC. Number: 5815

Test Name	Detection Limit	Blank Result	Unit	Det Date
Lead	.005	.00009	mg/l	03/31/94

QC Number: 5817

Test Name	Detection Limit	Blank Result	Unit	Det Date
Zinc	.02	.006	mg/l	03/31/94

Definitions of abbreviations:

AUL & ALL: Acceptable Upper and Lower QC limits for QCRS.

BDL: Below Detection Limit. DUL: Duplicate Upper Limit as % RSD.

QCRS: Quality Control Recovery Sample

SR,SSR,SA: Sample Result. Sample Spike Result. Spike Added.

SUL & SLL: Spike Sample Upper and Lower QC Limits.



Princeton Testing
Laboratory Inc.

EMSL Analytical Inc.

Job Number: 9401557-001

Page: 2

Analysis	Sample I.D.:	Sample 6244	Sample 6309
Cyanide, Total, mg/l	EPA 335.2	<0.01	0.015


Edna A. Alinea, V.P., Manager
Instrumentation/Wet Chemistry Labs

For inquiries call us at (609) 452-9050 and ask for our Customer Service Department

Member: American Council of Independent Laboratories, Inc.

Sampling Protocols - Wastewater Influent and Effluent

Sampling Equipment - Restrictions, Materials and Appropriate Use

Equipment Type	Use	Permissible Parameter Groups	Restrictions/Precautions
1. Peristaltic Pumps	Purging	All Parameter Groups	5,8
	Sampling	Demand, Nutrients	None
		Metals	23
		Extractable Organics	9
2. Teflon Bottom Fill Bailer	Purging	All parameter Group	10
	Sampling	Demand, Nutrients	None
		Metals	11
		VOC, Extractable Organics	12

Sampling Protocols

1. Wastewater Influent and Effluent

- A. Locate the influent and effluent streams
- B. Set up the ISCO sampler
- C. Attach new tubing to the pump
- D. Set the ISCO parameters for the proper time or flow interval
- E. Start the ISCO and check the parameters
- F. Place a clean composite sample bottle into the ISCO
- G. Pack ice around the sample container and close the lid
- H. Lock the ISCO and start Sampling
- I. Using a clean pond sampler take a grab sample
- J. Discard the first grab sample and take another
- K. Fill the field sampling cup

L. Take field measurements:

1. pH
2. Temperature
3. Conductivity
4. Residual chlorine test

M. Record all field data in the field notebook.

N. Carefully fill and seal five (5) VOA vials. Check to make sure there is no headspace or bubbles in each of the vials.

O. Fill a semivolatile sample bottle to within one (1) inch of the top and seal with a teflon-lined cap.

P. For metals and general chemistry parameters requiring pH adjustment, fill the necessary bottles to within one (1) inch of the top and shake well. Remove a small amount of sample and check the pH.

If the $\text{pH} < 2$ reseal sample bottle with a teflon-lined lid.

If the $\text{pH} > 2$ add nitric or sulfuric acid one (1) drop at a time, shake and recheck the $\text{pH} < 2$.

Record the amount of acid used in the field notebook.

Q. Label all sample bottles with the following information:

1. Sample designation and location
2. Preservative
3. Field sample identification number
4. Field technician name
5. Date and time of sampling
6. Grab sample

R. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states taken in the states of Florida, North Carolina and South Carolina.

S. After the composite sampling time has elapsed return to the site and stop the ISCO.

T. Unlock the ISCO and remove the sample.

U. Prepare the composite sample as in steps K-R.

Sampling Protocols - Surface Water

Sampling Protocols - Groundwater Monitor Wells, Including Purging

Sampling Equipment - Restrictions, Materials and Appropriate Use

<u>Equipment Type</u>	<u>Use</u>	<u>Permissible Parameter Groups</u>	<u>Restrictions/Precautions</u>
1. Positive Displacement Pumps (Helical rotor)	Purging	All Parameter Group	1,2,3,4,5
	Sampling	Demands, Nutrients Metals, Extractable Organics	None 1,2,3,4,6
2. Peristaltic Pumps	Purging	All Parameter Group	5,8
	Sampling	Demand, Nutrients Metals Extractable Organics	None 23 9
3. Teflon Bottom Fill Bailer	Purging	All Parameter Group	10
	Sampling	Demands, Nutrients Metals VOC, Extractable Organics	None 11 12

Sampling Protocols

1. Hand Bailed Wells

- A. Locate and make sure the well is the one to be sampled.
- B. Take well measurements:
 - 1. Depth to Water from top of casing
 - 2. Depth to bottom from top of casing
 - 3. Height of casing above ground
 - 4. Well casing diameter
- C. Record data in the field notebook, including date and time of sampling event.
- D. Calculate the volume that needs to be removed from the well prior to sampling (Minimum of three (3) well volumes).

$$\text{volume} = \frac{3\pi d^2 kh}{4}$$

where h = distance from bottom of well to top of water

- E. Unwrap a teflon purge bailer.
- F. Using a purge bailer remove the volume into calculated in step D.
- G. Discard the bailed volume into the well water waste drum.
- H. Repeat well measurements from step B.
- I. Continue to take and record measurements until they are within 5% of the original measurements.
- J. Unwrap a teflon sample bailer.
- K. Remove and discard one (1) sample bail into the waste well drum and then take sample.
- L. Rinse the sample cup for field measurements with a small amount of sample and then fill the cup.

M. Take field measurements:

1. pH
2. Temperature
3. Conductivity
4. Residual chlorine test

N. Record all field data in the field notebook.

O. Carefully fill and seal five (5) VOA vials. Check to make sure there is no headspace or bubbles in the sealed vials.

P. Fill a sample bottle for semivolatiles to within one (1) inch of the top and seal with a teflon-lined cap.

Q. For metals and general chemistry parameters requiring pH adjustment, fill the necessary bottles to within one (1) inch of the top and shake well. Remove a small amount of sample and check the pH.

If the pH < 2 reseal sample bottle with a teflon-lined lid.

If the pH > 2 add nitric or sulfuric acid one (1) drop at a time, shake and recheck the pH < 2.

Record the amount of acid used in the field notebook.

R. Label all sample bottles with the following information:

1. Well number and location
2. Preservative (if required)
3. Field sample identification number
4. Field technician name
5. Date and time of the sampling event

S. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

2. Pumped Wells Submersible Pumps

A. Locate and make sure the well is the one to be sampled.

B. Take well measurements:

1. Depth to Water from top of casing
2. Depth to bottom from top of casing
3. Height of casing above ground
4. Well casing diameter

C. Record data in the field notebook, including date and time of sampling event.

D. Calculate the volume that needs to be removed from the well prior to sampling (Minimum of three (3) well volumes).

$$\text{volume} = \frac{3\pi d^2 kh}{4}$$

where h = distance from bottom of well to top of water

E. Unwrap a submersible pump and attach new tubing then lower the pump to the bottom of the well - Start the pump and adjust flow.

F. Remove the volume calculated in step D.

G. Discard the pump volume into the well water waste drum.

H. Repeat well measurements from step B.

I. Continue to take and record measurements until they are within 5% of the original measurements.

J. Unwrap a teflon sample bailer.

K. Remove and discard one (1) sample bail into the waste well drum and then take sample.

L. Rinse the sample cup for field measurements with a small amount of sample and then fill the cup.

M. Take field measurements:

1. pH
2. Temperature
3. Conductivity
4. Residual chlorine test

N. Record all field data in the field notebook.

O. Carefully fill and seal five (5) VOA vials. Check to make sure there is no headspace or bubbles in the sealed vials.

P. Fill a sample bottle for semivolatiles to within one (1) inch of the top and seal with a teflon-lined cap.

Q. For metals and general chemistry parameters requiring pH adjustment, fill the necessary bottles to within one (1) inch of the top and shake well. Remove a small amount of sample and check the pH.

If the pH < 2 reseal sample bottle with a teflon-lined lid.

If the pH > 2 add nitric or sulfuric acid one (1) drop at a time, shake and recheck the pH < 2.

Record the amount of acid used in the field notebook.

R. Label all sample bottles with the following information:

1. Well number and location
2. Preservative (if required)
3. Field sample identification number
4. Field technician name
5. Date and time of the sampling event

S. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

3. Pumped Wells Submersible Pumps

A. Locate and make sure the well is the one to be sampled.

B. Take well measurements:

1. Depth to Water from top of casing
2. Depth to bottom from top of casing
3. Height of casing above ground
4. Well casing diameter

C. Record data in the field notebook, including date and time of sampling event.

D. Calculate the volume that needs to be removed from the well prior to sampling (Minimum of three (3) well volumes).

$$\text{volume} = \frac{3\pi d^2 kh}{4}$$

where h = distance from bottom of well to top of water

- E. Unwrap a submersible pump and attach new tubing then lower the pump to the bottom of the well - Start the pump and adjust flow.
- F. Remove the volume calculated in step D.
- G. Discard the pump volume into the well water waste drum.
- H. Repeat well measurements from step B.
- I. Continue to take and record measurements until they are within 5% of the original measurements.
- J. Unwrap a teflon sample bailer.
- K. Remove and discard one (1) sample bail into the waste well drum and then take sample.
- L. Rinse the sample cup for field measurements with a small amount of sample and then fill the cup.

M. Take field measurements:

1. pH
2. Temperature
3. Conductivity
4. Residual chlorine test

N. Record all field data in the field notebook.

O. Carefully fill (5) VOA vials. Check to make sure there is no headspace or bubbles in the sealed vials.

P. Fill a sample bottle for semivolatiles to within one (1) inch of the top and seal.

Q. For metals and general chemistry parameters requiring pH adjustment, fill the necessary bottles to within one (1) inch of the top and shake well. Remove a small amount of sample and check the pH.

If the $\text{pH} < 2$ reseal sample bottle with a teflon-lined lid.

If the $\text{pH} > 2$ add nitric or sulfuric acid one (1) drop at a time, shake and recheck the pH until the $\text{pH} < 2$.

Record the amount of acid used in the field notebook.

R. Label all sample bottles with the following information:

1. Well number and location
2. Preservative
3. Field sample identification number
4. Field technician name
5. Date and time of the sampling event

S. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

Sampling Protocols - Sediments, Soils and Sludges

Sampling Equipment - Restrictions, Materials and Appropriate Use

<u>Equipment Type</u>	<u>Use</u>	<u>Permissible Parameter Groups</u>	<u>Restrictions/Precautions</u>
1. Trowel, Scoop	Sampling and Compositing	Demands, Nutrients Trace Metals VOC's and Extractable Organics	None 11 25
2. Mixing Tray	Compositing or Homogenizing	Demand, Nutrients Trace Metals Extractable Organics	None 11 25
3. Shovel	Sampling	Demands, Nutrients Trace Metals, VOC's and Extractable Organics	None 20
4. Hand Auger	Sampling	Demands, Nutrients Trace Metals, VOC's and Extractable Organics	None 20

Sampling Protocols

1. Surface Soils

- A. Locate the area to be sampled and clear the surface of debris.
- B. Note the location of the sample in the field notebook.
- C. Unwrap a clean scope and sample the surface soil.
- D. Place the sample in clean mixing tray.
- E. Take another sample and fill a 250 ml VOA bottle. Make sure to pack the soil tightly to the top of the bottle.
- F. Fill two 950 ml bottles with the soil from the mixing tray.
- G. Label all sample bottles and record the information in the field notebook.
- H. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

2. Subsurface Soils (Hand Auger)

- A. Locate the area to be sampled and clear the surface of debris.
- B. Note the location of the sample in the field notebook.
- C. Unwrap a clean auger and attach it to the handle.
- D. Turn the auger until the proper depth is reached. Use the markings on the auger handle to approximate the depth.
- E. Remove the auger and measure the depth. Once proper depth is achieved, proceed to step G.
- F. If not at the proper depth, repeat steps D and E until the proper depth is reached.
- G. Remove the auger and attach another clean auger to the handle.
- H. Remove one full auger of soil and place it into a clean mixing tray.
- I. Remove one (1) more auger of soil and place it into a VOA vial, filling the vial to the top and packing the soil tightly to minimize air space.
- J. Fill two 950 ml bottles within one inch of the top and seal with a teflon-lined cap.
- K. Label all sample bottles and record the information in the field notebook.
- L. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

3. Subsurface Soils (Power Auger)

- A. Locate the area to be sampled and clear the surface of debris.
- B. Note the location of the sample in the field notebook.
- C. Unwrap a clean power auger and attach it to the beaver.
- D. Drill until the proper depth is reached using the markings on the auger handle to approximate the depth.
- E. Remove the auger and measure the depth. Once proper depth is achieved, proceed to step G.
- F. If not at the proper depth, repeat steps D and E until the proper depth is reached.
- G. Remove the power auger. Attach a clean hand auger to a handle.
- H. Remove one full auger of soil and place it into a clean mixing tray.
- I. Remove one (1) more auger of soil and place it into a VOA vial, filling the vial to the top and packing the soil tightly to minimize air space.
- J. Fill two 950 ml bottles within one inch of the top and seal with a teflon-lined cap.
- K. Label all sample bottles and record the information in the field notebook.
- L. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

Sampling Protocols - Liquid Hazardous Waste and Drum Sampling

Sampling Equipment - Restrictions, Materials and Appropriate Use

<u>Equipment Type</u>	<u>Use</u>	<u>Permissible Parameter Groups</u>	<u>Restrictions/Precautions</u>
1. Glass Open Tube (Drum Thief) (Liquids)	Sampling	All Parameters	None
2. Hand Trowel (Solids)	Samplings	Demand, Nutrients Trace Metals, VOC's and Extractable Organics	None 20

Sampling Protocol

1. Liquid Hazardous Wastes (Drums, Barrels and Pails)

A. The following safety precautions must be followed:

Do Not Proceed Until You Are Certain No Danger Exists

1. No unknown containers are to be sampled.
2. Level C protection is mandatory.
3. Portable HNU reading must show the area to be safe and hazard free.
4. Explosives or reactives are not to be sampled.

If Safe, Begin To Sample. If Not, Evacuate The Area

- B. Place spill pads around the container to be sampled.
- C. Label the container for identification.
- D. Carefully open the container and take a reading with the HNU.

Do Not Sample If The Reading Shows A Hazard. Carefully Close The Container And Evacuate The Area

- E. Unwrap a clean drum thief and sample the contents of the container.

- F. Carefully fill five (5) VOA vials and check to make sure there is no headspace or bubbles in the sealed vials.
- G. Fill a sample bottle for semivolatiles to within one (1) inch of the top and seal.
- H. For metals and general chemistry parameters requiring pH adjustment, fill the necessary bottles to within one (1) inch of the top and shake well. Remove a small amount of sample and check the pH.

If the $\text{pH} < 2$ reseal sample bottle with a teflon-lined lid.

If the $\text{pH} > 2$ add nitric or sulfuric acid one (1) drop at a time, shake and recheck the pH until the $\text{pH} < 2$,

Record the amount of acid used in the field notebook.

- I. Label sample bottles as follows:
 - 1. Container Identification and location
 - 2. Field sample identification number
 - 3. Field technician name
 - 4. Date and time of the sampling event
- J. Place each sample bottle into a plastic bag and seal. Then put them into the proper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.
- K. Break the drum thief and place it into the hazardous waste glass disposal drum.
- L. Leave the sampling area and place all Tyvek suits, spill pads, gloves and other disposable safety equipment into the hazardous waste drum marked for their disposal.

2. Hazardous Solid Wastes (Drums, Barrels and Pails)

A. The following safety precautions must be followed:

Do Not Proceed Until You Are Certain No Danger Exists

1. No unknown containers are to be sampled.
2. Level C protection is mandatory.
3. Portable HNU reading must show the area to be safe and hazard free.
4. Explosives or reactives are not to be sampled.

If Safe, Begin To Sample. If Not, Evacuate The Area

- B. Place spill pads around the container to be sampled.
- C. Label the container for identification.
- D. Carefully open the container and take a reading with the HNU.

Do Not Sample If The Reading Shows A Hazard.
Carefully Close The Container And Evacuate The Area

- E. Unwrap a clean scoop and sample the contents of the container.
- F. Carefully fill and seal a soil VOA bottle to the top and make sure it is tightly packed to minimize air volume.
- G. Fill two 950 ml sample bottles to one (1) inch of the top and seal with teflon-lined cap.
- H. Label all sample bottles with the following information:
1. Container Identification
 2. Preservative
 3. Field sample identification number
 4. Field technician name
 5. Date and time of sampling

- I. Place each sample bottle into a plastic bag and seal. Then put them into the improper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.
- J. Leave the sampling area and place all Tyvek suits, spill pads, gloves and other disposable safety equipment into the hazardous waste drum marked for their disposal.

3. Transformers

A. The following safety precautions must be followed:

Do Not Proceed Until You Are Certain No Danger Exists

1. No unknown containers are to be sampled.
2. Level C protection is mandatory.
3. Portable HNU reading must show the area to be safe and hazard free.
4. Explosives or reactives are not to be sampled.

If Safe, Begin To Sample. If Not, Evacuate The Area

B. Place spill pads around the transformer to be sampled.

C. Carefully open the inspection plate and take a sample using a clean drum thief.

D. Carefully fill a sample bottle to within one (1) inch of the top.

E. Label the sample bottle as follows:

1. Transformer Identification
2. Transformer Location
3. Field sample identification number
4. Field technician name
5. Date and time of sampling event

F. Place each sample bottle into a plastic bag and seal. Then put them into the improper cooler that must contain blue ice or wet ice. Only wet ice is acceptable for samples taken in the states of Florida, North Carolina and South Carolina.

G. Break the drum thief and place it into the hazardous waste drum marked for glass.

H. Leave the sampling area and place all Tyvek suits, spill pads, gloves and other disposable safety equipment into the hazardous waste drum marked for their disposal.

Key to Restrictions/Precautions of Sampling Equipment

1. Pumps must be equipped with a check valve to prevent the backflow of purged water into the well.
2. If purging or sampling for organics or metals, this device may be used when no other pumping device is available, since the lines can not be constructed of inert materials.
3. If purging or sampling for organics or metals, pump housings should be of stainless steel and teflon construction.
4. In used as a non-dedicated system, pumps must be completely disassembled and cleaned between wells. Delivery tubing should be precleaned and precut at the base of operations or laboratory. If the same tubing is used for more than one sampling event, it must be cleaned and decontaminated between events.
5. When purging for organics or metals, the entire length of tubing (or pipe) or that portion which comes in contact with the formation water should be constructed of teflon or stainless steel. If other materials (i.e., rigid PVC, polyethylene or polypropylene) are used, the following protocols must be followed:
 - A. contact with formation waters will be minimize by slowly withdrawing the pump from the water column during the last phase of purging, thus removing from the well any water which has contacted the exterior of the pump and /or tubing;
 - B. a single well volume must be removed with the sampling device before sampling begins. Tygon[™] must never be used for purging when organics are of interest.
6. If sampling for organics or metals, the entire length of tubing (or pipe) or that portion which will come in contact with the formation water must be constructed of teflon or stainless steel.
7. Pump and delivery tubing must be constructed of stainless steel or a suitable non-metallic material.
8. Must be equipped with foot valve to prevent backflow of purged water into the well.

9. All components of the sample collection system contacting the sample water must be constructed of teflon, stainless steel or glass. The system must be configured such that the sample is collected before the pump head. Note: this type of system is not recommended.
10. If purging or sampling for organics or metals, construction must be of stainless steel or teflon.
11. Equipment must be constructed of stainless steel or a suitable non-metallic material.
12. Must be constructed of stainless steel or coated with teflon.
13. Must be constructed of stainless steel or glass.
14. Commercial types may not be used for sampling these parameters.
15. Units must use filters with a pore size of 0.45 microns.
16. When sampling groundwater, units must use high capacity filters with a pore size of 0.45 microns and be constructed of materials that will not contaminated the sample with trace metals. The systems must be configured so that the sample does not come into contact with ambient air before the sample is filtered.
17. Liners must be constructed of stainless steel or a suitable non metallic material. If a carbon-steel liner is used with the core barrel, the samples for metals shall be taken from the interior part of the core sample.
18. If samples are sealed in the liner for transport to the laboratory, the sample for VOC analysis must be taken from the interior part of the core.
19. Samples for volatile organic compounds should not be taken from a composite (mixed) sample.
20. Cannot be constructed of many metal other than stainless steel.
21. If constructed of materials other than stainless steel, then a teflon insert must be used.

22. If constructed of materials other than stainless steel, the sample for metals analysis must be taken from the interior part of the core sample.
23. The flexible tubing used for the peristaltic pump should be medical grade silicone tubing. Delivery tubing must be constructed of a suitable non-metallic material.
24. Liners may be constructed of stainless steel, teflon, glass, aluminum or other suitable liner of metallic construction.
25. Must be constructed of stainless steel, teflon, glass or aluminum.

Decontamination and Cleaning Procedures

General

The validity of analytical data depends on the cleanliness of the containers and equipment that are used for sampling.

Summary of Method

Containers and equipment are washed with soap and water and then go through a series of rinsing and drying steps before being used by the laboratory, if the glassware has not already been purchased pre-cleaned.

Cleaning Procedures

Glassware

All glassware is thoroughly washed with hot water and a nonphosphate detergent to remove any water-soluble substances which may be present. The glassware is then rinsed with tap water and then small portions of deionized water. Other substances more difficult to remove may require the use of organic solvents, dichromate cleaning solutions, or concentrate mineral acids (HNO_3 or H_2SO_4). Following the use of acids the glassware is rinsed with tap water, deionized water, and allowed to air dry.

Special Cleaning Procedures

Following the initial cleaning procedures, additional measures are taken when analyzing for trace organic compounds or metals.

1. Trace Organic Compounds in Water, Wastewater, Sludges, Sediments and Soils

Glassware is placed in a chromic acid solution for at least 15 minutes, to destroy organic residues. The glassware is removed and rinsed thoroughly with tap water and finally with deionized water. The glassware is either air dried or rinsed with acetone for immediate use. Glassware is stored promptly after drying.

2. Trace Organic Compounds in Water, Wastewater, Sludges, Sediments and Soils

Glassware is rinsed with a 1:1 nitric acid /water mixture, followed by thorough rinsing with tap water and deionized water.

Sample Container Preparation

General

Bottles to be used for the collection of samples for organic analyses are rinsed successively with tap water, deionized water, and finally, several times with acetone and methylene chloride. Caps are prepared the same as the bottles. Preservation of the sample occurs at the time of sampling. The appropriate preservative is supplied by EMSL.

Special Cleaning Procedures

Additional preparations are necessary for the following analyses:

a. Volatile Organics

All 40 ml amber glass vials and teflon-faced silicone septa are dried at 105°C for one hour. After cooling, the septa are placed in the cap with the teflon side facing the interior of the vial. The vial is maintained in a sealed condition until the sampling event.

NOTE: Due to the possibility of diffusion of organics through the seal resulting in contamination of the vial's contents, a second vial is prepared and filled with deionized water (trip blank) and is carried through the sampling and handling protocol.

b. Acid Extractable, Base/Neutral Extractable, Pesticides and PCB's

For aqueous samples, the initial wash should be performed on 1-liter glass bottles with teflon lined caps in a high temperature (50°C) bath of detergent in water. For non-aqueous samples, use 950 ml amber glass jars with teflon lined caps. After rinsing with tap water and deionized water, the bottles are rinsed with aliquots of pesticide grade acetone and hexane. Finally, the bottles are allowed to air dry.

c. Metals (Aqueous)

For samples requiring metals analyses only, the bottle will be made of linear polyethylene, propylene, or teflon (a liter size); those requiring multiple tests may be made of borosilicate glass (unless analyzing for sodium, boron, or silicon).

After initial cleaning, the bottle is then rinsed with aliquots of 1:1 nitric acid, tap water, and deionized water. The bottles are dried either by air-drying or blow-drying using an inert gas.

d. Cyanide (Aqueous)

The container should be brown borosilicate glass, preferable 1-liter volume. After the detergent wash, the container is rinsed with tap water, 1N, NaOH, and finally deionized water.

e. Phenols (Aqueous)

The container should be brown borosilicate glass of 950 ml capacity. After the detergent wash, the container is rinsed with tap water and then a solution of copper sulfate/phosphoric acid, and finally deionized water.

f. Oil and Grease, TOC (Aqueous)

The container should be borosilicate glass, preferably 1-liter. After the initial detergent wash, the bottle is rinsed with tap water, 1:1 hydrochloric acid, and deionized water.

g. Ammonia, Nitrogen and COD (Aqueous)

The container may be borosilicate glass, linear polyethylene or propylene, preferably 950 ml.

After the initial detergent wash, the container is rinsed with tap water, 1:1 sulfuric acid and deionized water.

Sample Documentation and Identification

Procedure

- a. After equipment has been wrapped in aluminum foil place a piece of masking tape on the outside and write:

Date and Time cleaned
Technician's Name

- b. Sampling containers should be labeled in the same manner
- c. Record the same information in the Field Sampling Log Book marked Equipment and Bottle Cleaning Record

Field Filtration and Sample Compositing

Field Filtration for Dissolved Parameters

For samples requiring filtration, collect in a clean bottle twice the volume of sample require. Label and seal the bottle.

Attach tubing to the vacuum pump and place the stopper into the vacuum flask.

Attach a piece of polyethylene tubing to the side arm of the vacuum flask.

Attach the molded on piece 0.45 um filter to the tubing coming from the side arm of the vacuum flask.

Attach another piece of tubing to the intake of the filter and place the free end of the tubing into the sample.

Turn on the vacuum pump.

Allow the entire sample to filter into the flask.

Turn off the pump.

Pour the filtered sample into a new sample bottle to which nitric acid has been added.

Remove a small amount of filtered sample and check its pH.

If the pH < 2 reseal the sample bottle

If the pH > 2 add additional nitric acid one (1) drop at a time, shake and recheck its is < 2

Record additional amount of acid used in the field notebook

Label the sample bottle with the following information:

- a. Date and Time filtered
- b. Field sample identification number
- c. Sample location
- d. Record the information in the field notebook

Place the samples into plastic bags and put them into the proper cooler packed with ice.

Sample Compositing

All composites are made in the laboratory.

Field sampling will not composite samples in the field except when an ISCO composite sampler is used.

Sample Dispatch

Sample bottles are shipped from the laboratory in insulate Igloo (or equivalent) coolers. "Blue Ice" packs or wet ice packs are supplied for cooling to and maintaining 4⁰C during shipment back to the laboratory. The bottles are stabilized with styrofoam, bubble wrap or vermiculite.

For the packing of the coolers, samples are segregated according to phase, preservative, and analytical parameters.

Samples are stored with ice packs on top and around the bottles. One (1) bottle of deionized water is placed in each cooler, labeled as **TEMPERATURE CONTROL** and is used to check the temperature of the cooler when it arrives at the laboratory.

If the samples have been taken by the Field Services Team, they are delivered to the laboratory by the Field Team Technician and turned over to the Sample Management Department.

The temperature of the temperature-control sample is recorded on the Chain-of-Custody.

In the event the samples cannot be delivered by the Field Services Team, they should be shipped back to the laboratory by the most efficient and reliable form of transportation. EMSL can provide pick-up and delivery services, or a common carrier (i.e. Federal Express) may be used. In general, all samples should arrive at the laboratory on the same day they are collected, or shipped and maintained at 4⁰C for arrival by the next day.

Reagent and Standard Storage

<u>Chemical</u>	<u>Grade</u>	<u>Method of Storage</u>
Nitric Acid	ACS	Stored in original containers in vented cabinet designed for acid storage
Hydrochloric Acid	ACS	Stored in original containers in vented cabinet designed for acid storage
Sulfuric Acid	ACS	Stored in original containers in vented cabinet designed for acid storage
Acetone	ACS	Stored in original containers in vented cabinet designed for flammable solvent storage
pH Standards	ACS	Stored in cabinet designed for standard storage in the environmentally-controlled area of field sampling
Conductivity Standards	ACS	Stored in refrigerator designated for standard storage in the environmentally-controlled area of field sampling

Waste Disposal

All wastes are transferred to disposal drums in the waste storage area. All waste drums are removed, transported to a TSDF and disposed of in accordance with all federal, state and local regulations.

Any wastes from the sampling event are the responsibility of the owner of the site sampled and will not be removed, treated or handled by the field sampling team.

Calibration standards and other chemicals used in small amounts on-site are removed and treated as above.



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL
PROTECTION AND ENERGY

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General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08650-1019

JUL 2 1994

RE: Discharge Confirmation Report for Case No. 94-03-28-0756-00

Dear Mr. Carozza:

Thank you for your submittal of June 28, 1994 containing the supplemental information which the Bureau of Discharge Prevention requested on May 23, 1994.

After review of this supplemental information, the Bureau of Discharge Prevention finds that the requirements of N.J.A.C. 7:1E-5.8 are satisfied. The report will become part of your facility's file and the incident will be reviewed with respect to the provisions of N.J.A.C. 7:1E-6.

If we have any further questions regarding this incident we will contact you.

Your cooperation in this matter is greatly appreciated.

Sincerely,

Darryl Jennus
Darryl Jennus, Chief
Field Verification Section
Bureau of Discharge Prevention

c: Ann Ryan, Environmental Engineer





**INLAND
FISHER GUIDE**

Inland Fisher Guide Division
General Motors Corporation
Trenton Plant

1445 Parkway Avenue
Trenton, New Jersey 08650-1019

November 23, 1994

Bureau of Discharge Prevention
New Jersey Department of Environmental Protection
401 East State Street
CN 027
Trenton, NJ 08625-0027

Re: NJDEPE Case No. 94-10-26-1338-12
NRC Case No. 267142

The following discharge confirmation report is being submitted per NJAC 7:1E-5.8 for the Inland Fisher Guide Division, General Motors Corp., Trenton Plant. The required information is as follows:

1. Individual reporting the discharge:
Joseph Keller, Environmental Engineer, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6383.
2. Individual submitting the confirmation report:
Joseph Keller, Environmental Engineer, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, (609) 771-6383.
3. Individual responsible as owner/operator:
GM is submitting this confirmation report as the owner/operator of the property which received the discharge. The owner/operator of the property receiving the discharge is Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Ave., Trenton, NJ 08650 (609) 771-6212.
4. Individual responsible for the discharge:
Roland Vandegrift, Waste Water Treatment Plant Operator, Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650. (609) 771-6466.
5. Owner/Operator of the facility at which the discharge occurred:
Terry L. Marquis, Plant Manager, Inland Fisher Guide, 1445 Parkway Ave., Trenton, NJ 08650 (609) 771-6212.
6. Source of the Discharge:
Above ground chemical storage tank for Sodium Bisulfite Solution .
7. Location of the discharge:
Inland Fisher Guide, 1445 Parkway Avenue, Trenton, NJ 08650, Tax Lot & Block - Lot 1 in Block 343, Township of Ewing, Mercer County, EPA ID No. NJD 002353951. See attached Site Plan.

8. Hazardous Substance discharged:
Sodium Bisulfite Solution CAS number 7631-90-5
9. Quantity of Hazardous Substance Discharged:
Estimated 75 to 100 gallons.
10. Date and time discharge began:
October 10, 1994 at approximately 12:30 PM

Date and time discharge discovered:
October 10, 1994 at approximately 12:30 PM

Date and time discharge ended:
October 10, 1994 at approximately 12:44 PM

Date and time discharge reported:
October 10, 1994 at 13:35 PM
11. Measures taken to contain, cleanup and remove the discharge:

The discharge was caused by the failure of a pipe nipple on the storage tank. The tank is a pressure vessel and the discharge occurred when pressure unloading a tank truck to the storage tank. The discharge was stopped by relieving the pressure. Approximately 20 cubic yards of contaminated soil was initially removed by Inland Fisher Guide Spill Team personnel. The tank and piping was decontaminated with a mild alkaline solution and washed with clean water. All rinsing were captured and pumped to the facility's waste water treatment tanks for treatment. Soil samples were taken per the attached sampling sketch and analysis done by EMSL Analytical, a certified New Jersey Laboratory. The initial sample results showed residual contamination remained in the soil. Cambridge Chemical Cleaning, 11 West 21st Street, Linden NJ 07036, a NJ Registered Hazardous Waste Cleanup contractor, was hired and removed an additional 20 cubic yards of soil, washed the tank and piping with a soda ash solution, and pressure washed the tank and adjacent equipment. All rinsing were captured and pumped to the facility's waste water treatment system for treatment. Additional soil samples have been taken and will be sent to the Department as soon as the analytical results are received. All contaminated soils have been placed in a lined 40 yard roll off container and samples sent to an approve Hazardous Waste TSD for waste profile approval. Copies of the Manifest will be forwarded to the Department as soon as approval for shipment is received from the TSD.

A summary of the costs incurred to date is as follows:

Initial Cleanup by Inland Fisher Guide Personnel - 64 man
hours \$1187.84
Cambridge Chemical Cleaning - \$2275
EMSEL Analytical - \$1200
Estimated Disposal Costs - \$1300

12. The corrective action or countermeasures taken:
The defective pipe nipple was replaced, a full tank and
associated piping inspection was performed by Inland Fisher
Guide Personnel.
13. Additional preventative measures taken:
None by Inland Fisher Guide.
14. The names, address and telephone numbers of all entities
involved in the cleanup, or removal of discharge:

All initial response and cleanup was performed by Inland
Fisher Guide Personnel.

Additional cleanup was performed by Cambridge Chemical
Cleaning, P.O. Box 4220, 11 West 21st Street Linden, NJ
07036 (908) 862-9363.

Disposal will be (when approval is received from TSD) by
Wills Trucking, EPA ID No. OHD068913409, 3185 Columbia Rd.,
Richfield, OH 4486 (800) 321-3197. to U.S. Pollution
Control's Lone Mountain Facility. P.O. Box 170, 5 miles
east, 1 mile north of jct of Hwys 281 and 412, Waynoka, OK
73860 EPA No. OKD065438376 (405)697-3500.

15. Sampling:

Samples were taken after the initial clean up by Inland
Fisher Guide Personnel by EMSL Analytical and are attached.
Additional sampling was performed after the follow up
cleanup by Cambridge Chemical Cleaning and sample results
for those samples have not been received to date. The
results of the additional sampling will be forwarded to the
Department as soon as they are received. All samples were
taken and analysis performed by EMSL Analytical Services, 3
Cooper St., Westmont, NJ 08108 (609) 858-1260.

16. Results of Sampling:

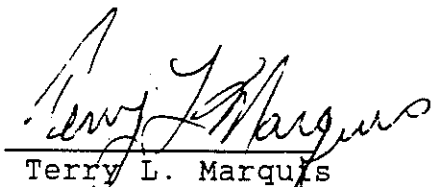
Initial sampling results attached.

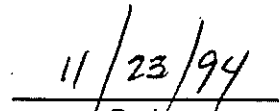
17. Financial Responsibility:

Financial responsibility pursuant to N.J.A.C. 7:1E-4.5 and submitted to the Department pursuant to N.J.A.C. 7:1E-4.4 (a) 9 is in full force and effect.

Certification Statement per 7:1E-4.11 (a)

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including fines or imprisonment or both, for submitting false, inaccurate or incomplete information.


Terry L. Marquis
Plant Manager


Date

If you have any questions concerning this report please contact Joseph Keller, Plant Environmental Engineer, at (609) 771-6383.

cc: Ms Michelle Fisher, GM Legal Staff
Jim Flowers - GM EES

●

Graphic Scale

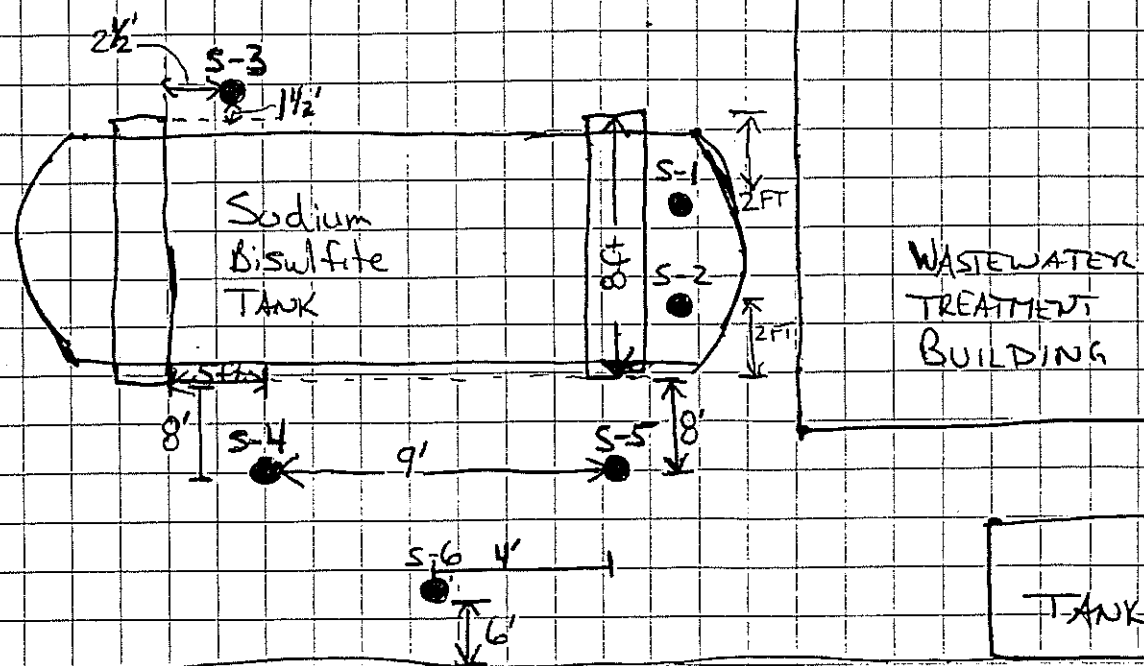
0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

MILES KILOMETERS

see detailed
drawing





SIDEWALK SIDEWALK SIDEWALK
TREATMENT TANKS

↓ ↓

	<u>Time</u>
S-1	13:25
S-2	13:30
S-3	13:35
S-4	13:41
S-5	13:43
S-6	13:50

Continued on Page

Read and Understood By

Signed _____ Date _____ Signed _____ Date _____

ANALYTICAL SERVICES

EMSL

11/16/1994

Environmental

Materials

Asbestos

Corporate Office &
in Laboratory

108 Haddon Avenue
Eastmont, NJ 08108
(609) 858-4800

New Jersey
3 Cooper Street
Eastmont, NJ 08108
(908) 858-9573

56 Stelton Road
Scataway, NJ 08854
(908) 981-0550

Georgia
1600 Roswell Street, SE
Suite One
Mynrna, GA 30080
(404) 333-6066

California
20 S. Amphlett Boulevard
Suite 130
In Mateo, CA 94402
(415) 570-5401

Michigan
2 S. Wagner Road
Ann Arbor, MI 48103
(313) 668-6810

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

The following report covers the analysis performed on samples submitted to EMSL Analytical on 11/01/1994. The results are tabulated on the attached data pages for the following client designated project:

Behind Wastewater Treatment

The reference number for these samples is EMSL Project # 9414871. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (609) 858-9573.

Reviewed and Approved By:

Paul Laraia, Jr.
Paul Laraia, Jr.
Laboratory Manager
NJ Certification No:04653

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029689
Date Collected: 11/01/94 13:25
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-1

	Conc.	Unit
	-----	-----
LIMITED		
Sulfate	6200	mg/kg
Solids, Total	82	%
METALS		
Sodium	2700	mg/kg

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029690
Date Collected: 11/01/94 13:30
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-2

	Conc.	Unit
LIMITED		
Sulfate	11000	mg/kg
Solids, Total	78	%
METALS		
Sodium	3400	mg/kg

The logo for EMSL, consisting of the letters "EMSL" in a bold, sans-serif font, enclosed within a black diamond shape.

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029691
Date Collected: 11/01/94 13:35
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-3

	Conc.	Unit
	-----	-----
LIMITED		
Sulfate	2000	mg/kg
Solids, Total	72	%
METALS		
Sodium	2200	mg/kg



Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029692
Date Collected: 11/01/94 13:41
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-4

	Conc.	Unit
LIMITED		
Sulfate	380	mg/kg
Solids, Total	79	%
METALS		
Sodium	190	mg/kg

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029693
Date Collected: 11/01/94 13:43
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-5

	Conc.	Unit
LIMITED		
Sulfate	6500	mg/kg
Solids, Total	84	%
METALS		
Sodium	2400	mg/kg

The logo for Environmental Monitoring Systems Laboratory (EMSL) is a black diamond shape with the letters "EMSL" in white, bold, sans-serif font.

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton NJ 08680-1019

Date of Report: 11/18/94
Project Number: 9414871
Lab ID: 94-0029694
Date Collected: 11/01/94 13:50
Collected By: Client
Date Received: 11/01/94 15:00

Client Project: Behind Wastewater Treatment

Client Designation: S-6

	Conc.	Unit
	-----	-----
LIMITED		
Sulfate	5400	mg/kg
Solids, Total	80	%
METALS		
Sodium	1600	mg/kg

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Clients Name/Address/Telephone No./ Contact Person GM - EWING		2. Sampling Site Address and / or Project Soil Samples (6) Behind Wastewater Treatment		3. Sampling by (Signature) <i>Joe Keller</i>		4. # of Samples in Shipment 6		5. Date of Sample Shipment 11-1-94		6. Date Results Needed STANDARD		Number of Containers		Indicate Analysis Requested		Laboratory Number	
Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix						Date	Sampling Time					
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl							HNO ₃
1	S-1		X	X	X								11-1-94	13:25	X	X	29689
2	S-2		X	X	X								13:30	X	X	29690	
3	S-3		X	X	X								13:35	X	X	29691	
4	S-4		X	X	X								13:41	X	X	29692	
5	S-5		X	X	X								13:43	X	X	29693	
6	S-6		X	X	X								13:50	X	X	29694	
7																	
8																	
9																	
10																	

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
	/		<i>W. Zane</i>	EMSL	11/1/94 15:00	
	/				/	
	/				/	

Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables

METHODOLOGY

**EMSL**

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
- Code of Federal Regulations Vol. 40, Part 261, "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)".
- "Standard Methods for the Examination of Water and Wastewater", 15th, 16th and 17th editions.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, March 1983, U.S.EPA, EMSL.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988.
- "Official Methods of Analysis", Association of Official Analytical Chemists AOAC 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, Third Edition, 1984, Revised 8/15/90, DHHS Pub. No. 84-100.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	J:	Compound detected, however below reportable detection limit
NFL:	No Free Liquid	NA:	Not Applicable
NR:	Not Reactive	NI:	Not Ignitable
NS:	Not requested	ND:	Not Detected
<:	Less than minimum detection limit	MDL:	Method detection limit. Can be a limit specified by the method or a number determined by performing an MDL study.
NC:	Not calculable	RPD:	Relative Percent Difference
LCS:	Laboratory Control Sample	umhos:	Conductivity units; resistance is expressed in ohms.
MS/MSD:	Matrix Spike/Matrix Spike Duplicate	col/3:	Colonies per volume of sample analyzed; used for bacteriology.
RSD:	Relative Standard Deviation	deg. F:	degrees Fahrenheit
NTU:	Nephelometric Turbidity Units; used for turbidity.	mg:	milligram; there are 1000 mg in 1 g.
deg. C:	degrees celcius	Kg:	kilogram
ug:	microgram; there are 1000 ug in 1 mg.	ml:	milliliter; there are 1000 ml in 1 liter.
g:	gram; there are 1000 g in 1 Kg.		
ul:	microliter; there are 1000 ul in 1 ml.		
L:	Liter		
ppb	Parts per billion = ug/Kg, ug/L		
ppm	Parts per million = mg/Kg, ug/g mg/L, ug/ml; 1 ppm = 1000 ppb.		

COMMENTS: All soil samples are calculated on a dry weight basis except as noted.

January 4, 1995

Bureau of Discharge Prevention
New Jersey Department of Environmental Protection
401 East State Street
CN 027
Trenton, NJ 08625-0027

Re: NJDEPE Case No. 94-10-26-1338-12
NRC Case No. 267142

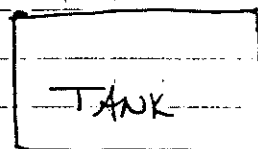
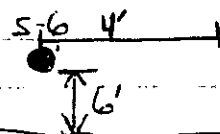
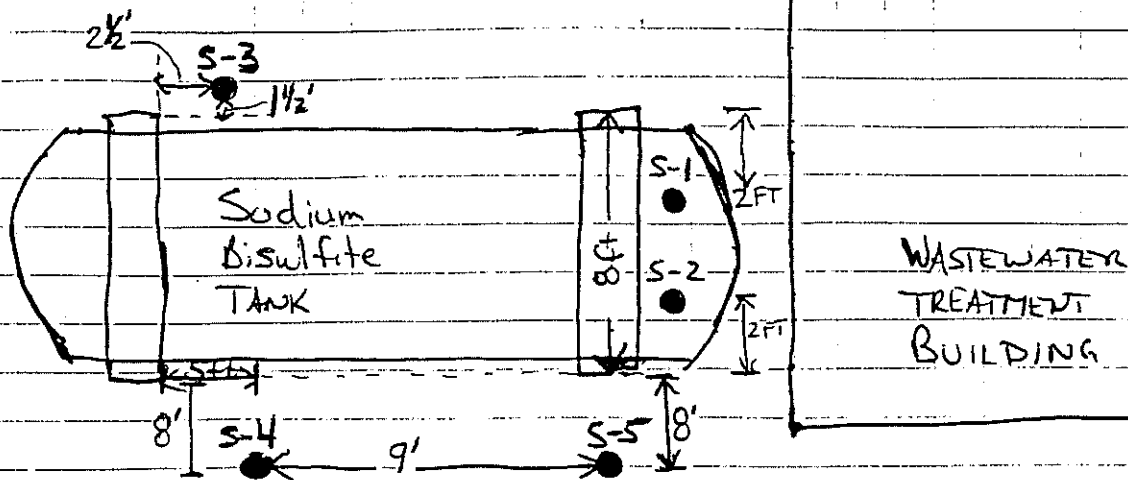
The following analytical information is the result of additional sampling that was done in reference to the discharge confirmation report submitted November 23, 1994 to the Department.

The samples were taken and analyzed by EMSL Analytical Services, 108 Haddon Avenue, Westmont, NJ 08108. EMSL is a New Jersey State Certified Laboratory. A full QA/QC package for EMSL was submitted with the original Confirmation Report.

If you have any questions please contact me at (609) 771-6383.

Sincerely,

Joseph F. Keller
Environmental
Engineer



SIDEWALK

SIDEWALK

SIDEWALK

TREATMENT TANKS

	↓	↓	

11/1/94Time11/23/94TIME

S-1 13:25

S-1 ~~09:44~~ 10:41

S-2 13:30

S-2 ~~09:44~~ 10:44

S-3 13:35

S-3 10:47

S-4 13:41

S-4 10:50

S-5 13:43

S-5 10:53

S-6 13:50

S-6 10:56

Continued on Page

1300
1405

1030

Read and Understood By

Signed

Date

Signed

Date

Chain of Custody / Analysis Request Form

EMSL Project # _____

3 Cooper Street
Westmont, New Jersey 08108
609-858-9573
609-858-4571 (Fax)

PO # _____

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Client's Name/Address/Telephone No./ Contact Person 3M ENV/NA				2. Sampling Site Address and / or Project Soil Samples (6) Behind Wastewater Treatment														
3. Sampled by (Signature) <i>[Signature]</i>		4. # of Samples in Shipment 6		5. Date of Sample Shipment 11.1.94		6. Date Results Needed STANDARD												
Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved			Sampling		Number of Containers	Indicate Analysis Requested	Laboratory Number	
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE				OTHER
1		S-1		X		X												
2		S-2		X		X												
3		S-3		X		X												
4		S-4		X		X												
5		S-5		X		X												
6		S-6		X		X												
7																		
8																		
9																		
10																		
Released by (Signature)		Date/Time Released	Delivery Method		Received by (Signature)		Company/Agency Affiliation		Date/Time Received		Condition Noted							
		/																
		/																
		/																

Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)

Comments:

Please indicate reporting requirements:
1) Results only 2) Results & QC 3) Reduced Deliverables



ANALYTICAL SERVICES

Environmental

12/08/1994

Materials

Asbestos

Corporate Office &

Main Laboratory

108 Haddon Avenue

Westmont, NJ 08108

(609) 858-4800

New Jersey

Cooper Street

Westmont, NJ 08108

(609) 858-9573

1056 Stelton Road

Piscataway, NJ 08854

(908) 981-0550

Georgia

600 Roswell Street, SE

Suite One

Smyrna, GA 30080

(404) 333-6066

California

720 S. Amphlett Boulevard

Suite 130

San Mateo, CA 94402

(415) 570-5401

Michigan

712 S. Wagner Road

Ann Arbor, MI 48103

(313) 668-6810

Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

The following report covers the analysis performed on samples submitted to EMSL Analytical on 11/23/1994. The results are tabulated on the attached data pages for the following client designated project:

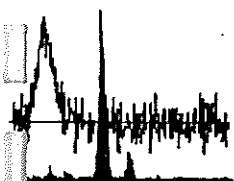
Sodium Bisulfite Tank

The reference number for these samples is EMSL Project # 9415204. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (609) 858-9573.

Reviewed and Approved By:

Paul Laraia, Jr.
Laboratory Manager
NJ Certification No:04653



Attention: David Worrell
General Motors Corporation
1445 Parkway Avenue
Trenton, NJ 08680-1019

Project #: 9415204
Date Received: 11/23/94 13:00

The following results are for Sodium

Lab #	Conc.	Unit	Client Designation
94 0032967	1300	mg/kg	S-1
94 0032968	1700	mg/kg	S-2
94 0032969	430	mg/kg	S-3
94 0032970	290	mg/kg	S-4
94 0032971	750	mg/kg	S-5
94 0032972	890	mg/kg	S-6

The following results are for Sulfate

Lab #	Conc.	Unit	Client Designation
94 0032967	440	mg/kg	S-1
94 0032968	460	mg/kg	S-2
94 0032969	450	mg/kg	S-3
94 0032970	450	mg/kg	S-4
94 0032971	970	mg/kg	S-5
94 0032972	740	mg/kg	S-6

The following results are for Solids, Total

Lab #	Conc.	Unit	Client Designation
94 0032967	79	%	S-1
94 0032968	76	%	S-2
94 0032969	89	%	S-3
94 0032970	82	%	S-4
94 0032971	86	%	S-5
94 0032972	80	%	S-6

1 Cooper Street
Westmont, New Jersey 08108
09-858-9573
09-858-4571 (Fax)

PO # _____

Custody and Sample Information - Print ALL information. Put N/A in blanks not applicable. Press firmly.

1. Client's Name/Address/Telephone No./ Contact Person
GM

2. Sampling Site Address and / or Project
Resample Sodium Sulfate Tank

Joe Keller
1. Sampled by (Signature)

4. # of Samples in Shipment
6

5. Date of Sample Shipment
11.23.94

6. Date Results Needed
STANDARD

Item No.	Sample Number	Station Location / Sample ID	COMP	GRAB	Matrix					Method Preserved					Sampling		Num	Laboratory Number													
					WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE	OTHER	Date			Time												
1		S-1		X	X								X		11-23	1041	1	X	X												33967
2		S-2		X	X	X							X			11-23	1044	1	X	X											33968
3		S-3		X	X	X							X				1047	1	X	X											33969
4		S-4		X	X	X							X				1050	1	X	X											33970
5		S-5		X	X	X							X				1053	1	X	X											33971
6		S-6		X	X	X							X				1056	1	X	X											33972
7																															
8																															
9																															
10																															

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Company/Agency Affiliation	Date/Time Received	Condition Noted
<i>Joe Keller</i>	11.23.94		<i>Joe Keller</i>	EMSL	11/23/13.00	

Please indicate turnaround time: standard 10D 5D 72HR 48HR 24HR (Must call for quick turn)

Comments: Please indicate reporting requirements: 1) Results only 2) Results & QC 3) Reduced Deliverables



State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection
BUREAU OF DISCHARGE PREVENTION
CN 424
TRENTON, NJ 08625
TEL: (609) 984-7573
FAX: (609) 633-7031

Robert C. Shinn, Jr.
Commissioner

Mr. Joseph F. Keller
Environmental Engineer
Inland Fisher Guide
1445 Parkway Avenue
Trenton, NJ 08650-1019

MAR 20 1995

RE: Discharge Confirmation Report for Case No. 94-10-26-1338-12

Dear Mr. Keller:

Thank you for your discharge confirmation report of November 23, 1994 confirming your telephone notification made to the NJDEPE hotline on October 23, 1994.

After review of your Discharge Confirmation Report, the Bureau of Discharge Prevention finds that the requirements of N.J.A.C. 7:1E-5.8 are satisfied. The report will become part of your facility's file, and the incident will be reviewed with respect to the provisions of N.J.A.C. 7:1E-6.

If we have any further questions regarding this incident we will contact you.

Your cooperation in this matter is greatly appreciated.

Sincerely,

Darryl C. Jennus, Chief
Field Verification Section
Bureau of Discharge Prevention

c: Stafford Stewart, Principal Env. Engineer

DELPHI

Interior & Lighting Systems

Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650-1019

April 24, 1995

Bureau of Discharge Prevention
NJDEPE
401 East State Street
CN 047
Trenton, New Jersey 08625-0047

REF: Delphi Interior & Lighting Systems
Trenton Operations
Transformer Leak - April 19, 1995
NJDEP #95-4-19-1734-17
NRC #292-7172

Gentlemen:

Pursuant to N.J.A.C. 7:1E-5.8 Delphi Interior & Lighting Systems - Trenton Operations is submitting a confirmation discharge report in connection with the above referenced notification.

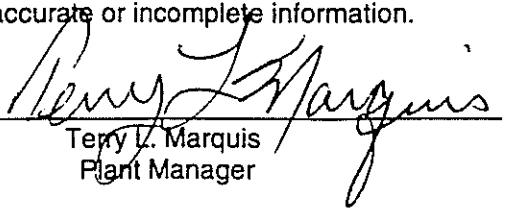
Pursuant to N.J.A.C. 7:1E-5.8(b):

1. Individual who reported the discharge -
David Worrell, Facility Engineer
Delphi Interior & Lighting Systems - Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650
2. Individual submitting the confirmation report -
Roy J. Curley, Superintendent Plant & Process Engineering
Delphi Interior & Lighting Systems - Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650
5. Individual responsible as owner/operator -
Terry L. Marquis, Plant Manager
Delphi Interior & Lighting Systems - Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650
6. The source of the leak was an electrical transformer.
7. Leak location -
Delphi Interior & Lighting Systems - Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650
Tax Lot 1 Block 343 of Ewing Township Tax Map
Mercer County
EPA ID 3 NJD002353951

8. Hazardous substance leaked - PCB Transformer Oil.
9. Less than one half gallon was leaked from an electrical transformer onto a concrete surface. The transformer is located inside a containment structure. No oil escaped the structure.
10. Date of leak - April 19, 1995
Time of leak - uncertain
Time of discovery - 5:30 pm
Time leak stopped - leak had ceased prior to discovery
Time Department was notified - 5:30 pm
11. On site personnel used a solvent based cleaner to wipe up the material on the transformer and on the concrete. Rags, spent solvent materials and leaked oil was placed in hazardous waste drums and will be manifested to an appropriate Treatment Storage and Disposal Facility. Wipe samples will taken on April 27, 1995 to confirm clean up. Costs not including disposal include \$400.00 labor and \$1,000.00 in material and lab fees.
12. The source of leak appeared to be a cracked valve near the top of the transformer. A containment device was place around the valve pending permanent repair. A new valve has been ordered and will be replace upon arrival.
13. The leak was noted during an inspection of the transformer. Transformers are inspected on a monthly basis to identify leaks before the become major discharges.
14. Response entities - All response and cleanup activities were conducted by plant personnel.
15. Sampling - Wipe samples in accordance with EPA protocol for PCB clean ups will be conducted on April 27, 1995.

Certification per 7:1E-4.11

I certify under penalty of law that I have personally examined and am familiar with the information in this report and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information.

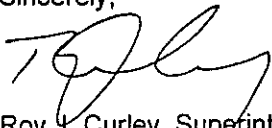

Terry L. Marquis
Plant Manager

4-24-95
Date

Bureau of Discharge Prevention
April 24, 1995
Page 3

If you have any questions concerning this matter please contact David Worrell at 609 771-6289.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Curley", written over the typed name.

Roy J. Curley, Superintendent
Plant and Process Engineering

DELPHI

Interior & Lighting Systems

Trenton Operations
1445 Parkway Avenue
Trenton, New Jersey 08650-1019

May 4, 1995

Bureau of Discharge Prevention
NJDEP
401 East State Street
CN 047
Trenton, New Jersey 08625-0047

Attention - Discharge Confirmation Report

REF: Transformer Leak - PCB Oil
National Response Center Case Number 287-709
NJDEP Hotline Number 95-4-19-1734-17

Gentlemen:

On April 19, 1995 at 5:30 pm David Worrell, Facility Engineer reported a release of PCB transformer oil from an electrical transformer at Delphi Interior & Lighting Systems Trenton Plant. He reported to Operator #17 that less than one half pound of oil was released to a concrete surface under the transformer. There were no injuries or environmental harm caused by this release. A follow up report was sent on April 24, 1995.

Mr. Worrell's estimate of the amount of oil released was later confirmed during clean up activities. The Reportable Quantity for PCB is 1 pound and the concrete surface is within the transformer's containment area; therefore, the incident was not a reportable release under CERCLA.

Delphi Interior & Lighting Systems has performed initial cleaning of the contaminated surface. Wipe samples have indicated a need for further cleaning. Delphi Interior & Lighting Systems insures that the necessary steps to clean the surface in accordance with TSCA will be taken:

We are submitting this letter as confirmation follow up to the April 24, 1995 Discharge Confirmation Report and would like the notification to be considered a For Informational Purposes Only notification.

If you have any questions regarding this matter please contact David Worrell at 609 771-6289.

Sincerely,



Roy J Curley, Superintendent
Plant & Process Engineering

DELPHI

Interior & Lighting Systems

May 4, 1995

National Response Center
2100 Second St. South-West
Washington, DC 20593
Room 2611

REF: Transformer Leak - PCB Oil
National Response Center Case Number 287-709
NJDEP Hotline Number 95-4-19-1734-17

Gentlemen:

On April 19, 1995 at 5:30 pm David Worrell, Facility Engineer reported a release of PCB transformer oil from an electrical transformer at Delphi Interior & Lighting Systems Trenton Plant. He reported to Petty Officer McLaughlin that less than one half pound of oil was released to a concrete surface under the transformer. There were no injuries or environmental harm caused by this release.

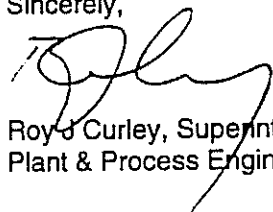
Mr. Worrell's estimate of the amount of oil released was later confirmed during clean up activities. The Reportable Quantity for PCB is 1 pound and the concrete surface is within the transformer's containment area; therefore, the incident was not a reportable release under CERCLA.

Delphi Interior & Lighting Systems has performed initial cleaning of the contaminated surface. Wipe samples have indicated a need for further cleaning. Delphi Interior & Lighting Systems insures that the necessary steps to clean the surface in accordance with TSCA will be taken.

We are submitting this letter as confirmation to the verbal notification and would like the notification to be considered a For Informational Purposes Only notification.

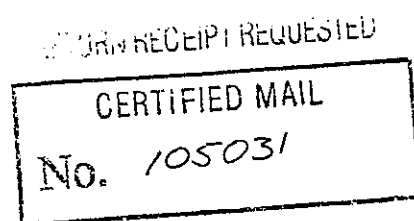
If you have any questions regarding this matter please contact David Worrell at 609 771-6289.

Sincerely,



Roy J. Curley, Superintendent
Plant & Process Engineering

DELPHI
Interior & Lighting Systems



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 22, 1996

Bureau of Discharge Prevention
NJDEP
401 E. State Street
CN 027
Trenton, New Jersey 08625

Gentlemen:

This letter confirms the telephone notification made by Joseph Keller on November 14, 1996 at 1:02 pm, National Response Center #367-586. Additional notification was made to NJDEP (#96-11-14-1302-5, Operator 4) immediately following the call to you.

On November 14, 1996 while transferring waste oil from 55 gal. drums to a tank truck the truck's tank shut off valve failed allowing approximately 50 gallons of material to exit the truck. The waste oil spilled onto an asphalt road surface where it was contained. Plant personnel and response personnel from the waste hauler combined to cleanup all of the spilled material.

After the incident, the waste truck was cleaned of spilled material and secured for travel. The truck was not allowed to continue transferring material from drums to its second tank. Spilled material was vacuumed into 55 gal. drums and later manifested to an oil reclaim facility. Absorbent materials were collected and await proper disposal as an oil contaminated waste.

Note that at no time did the oil reach a storm sewer or unpaved area. The report filed by Mr. Keller was for informational purposes only. This letter serves to confirm that no material was discharged to the environment.

Pursuant to NJAC 7:1E-5.8(b):

1. Individual who reported the discharge - Joseph Keller, Environmental Engineer, Delphi Interior & Lighting Systems, 1445 Parkway Avenue, Trenton, New Jersey 08650, 609 771-6383.
2. Individual submitting the confirmation report - David Worrell, Environmental Engineer, Delphi Interior & Lighting Systems, 1445 Parkway Avenue, Trenton, New Jersey 08650, 609 771-6289.
4. Individual responsible for the discharge - Jason Cutler, Safety Kleen Corp., 77 Canal Road, Fairless Hills, Pa 19030, 215 736-8699.

5. Individual responsible as owner / operator - Terry L. Marquis, Plant Manager, Delphi Interior & Lighting Systems, 1445 Parkway Avenue, Trenton, New Jersey 08650, 609 771-6210.

6. Source of discharge - Safety Kleen Oil Services truck.

7. Discharge location - Delphi Interior & Lighting Systems, 1445 Parkway Avenue, Trenton, New Jersey 08650. Tax Lot & Block - Lot 1 in Block 343, Township of Ewing, Mercer County, EPA Id No. NJD002353951. Location on premises - Outside of the main manufacturing building's section known as the Zinc Reclaim Room.

8. Hazardous substance discharged - Waste Oil.

9. Quantity discharged - 55 gal. spilled. All material was recovered. No oil was released to the environment.

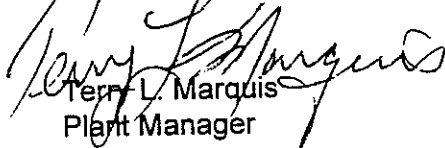
10. Date - November 14, 1996
Time of discovery - 12:40 pm
Time Department was notified - 1:02 pm

11. Measures taken to contain and cleanup the discharge - Spill socks and absorbent materials were used to contain the material on the asphalt. A gel sewer blocker was placed over the nearest sewer. Vacuums were used to pick up the oil. Brooms, shovels and a sweeper truck were used to clean up the absorbent materials.

12. Corrective actions - Safety Kleen removed the truck from service until the shut off valve could be repaired. Procedures to have visual contact with trucks during transfers were reaffirmed with the waste hauler.

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this report and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information.


Terry L. Marquis
Plant Manager

Date 11/22-96

If there are any questions concerning this report please contact me at 609 771-6289.

Sincerely,



David Worrell
Environmental Engineer



State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

Bureau of Chemical Release Information and Prevention

CN 405

Trenton, NJ 08625-0405

Phone: 609-984-3219

Fax: 609-633-7031

MAR 27 1997

Terry L. Marquis
Plant Manager
Delphi Interior & Lighting Systems
1445 Parkway Avenue
Trenton, NJ 08650-1019

RE: Discharge Confirmation Report for Case No. 96-11-14-1302-05

Dear Mr. Marquis:

Thank you for your November 22, 1996 report confirming the telephone notification made to the NJDEP hotline on November 14, 1996 by Joseph Keller.

I appreciate your confirmation and the opportunity to clarify the Department's rules for notification and reporting of discharges of hazardous substances.

N.J.A.C. 7:1E-1.5 defines a "Discharge" as "... the releasing, spilling, pumping, pouring, emitting, emptying or dumping of a hazardous substance into the waters or onto the lands of the State..."

Since your description explains that the waste oil leak was contained (did not reach a storm sewer or unpaved area), and that the report was filed for informational purposes only, the bureau categorizes the incident a leak and not a discharge.

Thank you for bringing this matter to my attention.

Sincerely,

Darryl Jennus, Chief
Field Verification Section
Bureau of Discharge Prevention

C: W. Nedick

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 9

AERIAL PHOTOGRAPHIC INTERPRETATION

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 9

AERIAL PHOTOGRAPHIC INTERPRETATION

A review of historical aerial photographs of the site was presented in the Preliminary Assessment/Site Investigation Report for the MOA investigation (URS Consultants, Inc., "Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan, Delphi Interior & Lighting Systems Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, Case No. 95-2-22-1407-48," May 1996). The photographs reviewed for that report were taken in 1932, 1947, 1951, 1954, 1957, 1961, 1965, 1977, 1986, and 1991; they were reviewed by URS at the offices of the NJDEP.

A review of its historical aerial photographs was also made by the NJDEP in determining that filling activities had been performed in the wooded area surrounding the former sludge beds in Zone 10 of the site (State of New Jersey, Department of Environmental Protection and Energy, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Stephen Maybury, Section Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, May 12, 1994).

Additional aerial photographs of the Delphi facility and surrounding area were reviewed during this Preliminary Assessment to supplement information on the site history collected during previous environmental investigations at the site. The photographs reviewed were obtained from, and include all those which were available from, Agency Information Consultants, a broker for sources of information for environmental assessments. The photographs reviewed were taken on the following dates: 5/22/53 (scale - 1"=1671'), 11/5/75 (1"=6333'), 3/26/84 (1"=6666'), and 4/19/93 (1"=3333').

The following observations result from a review of these four photographs. The interpretation presented below is focussed on a) previously-identified areas of concern, and b) features which may represent areas of concern which had not, to our knowledge, previously been identified as such.

- 5/22/53 -- In Zone 2 of the site, a rectangular structure apparently 20 by 70 feet in plan was located roughly 130 feet north of the northeast corner of the facility powerhouse. The structure resembles in appearance but is located west of the above-ground liquid-propane-gas storage tank which was located in Zone 2 from the 1970's until recently.

In Zone 3 of the site, the area south of the facility powerhouse currently occupied by two 30,000-gallon fuel oil storage tanks appears to have been occupied by coal storage piles.

In Zone 5 of the site, the area currently occupied by the maintenance building was largely vacant. Two smaller buildings were present within the northern half of the

current maintenance-building footprint. The northern half of Zone 5 appears to have had a concrete pavement, while the southern half of Zone 5 may have had an asphalt pavement or may have been unpaved.

In Zone 7, the area currently used for die storage was in use as a car parking lot. As described in Section 5 of the Attachments to this report, a group of several small white and gray features was present to the east of the current die storage area, northwest of the former location of sludge drying bed No. 5 as identified in the 1993 ISRA Remedial Investigation Work Plan (McLaren/Hart Environmental Engineering Corporation, 3 September 1993). These features may have been piles of material or surface disturbances. They are roughly circular and each is approximately 10 feet in diameter. The location of the group of these features is labeled 7-2 on Figure 2. The ground surface in this area appears as if it may have been unpaved.

In Zone 8, a building was present in the vicinity of the location of the former trash incinerator identified as an area of concern in the 1993 ISRA Remedial Investigation Work Plan. The building was approximately 25 by 30 feet in plan and was located west of the current location of the facility wastewater pretreatment plant. The area surrounding the building appears as if it may have been unpaved.

In Zone 9, the southern third of the current parking lot which was named the empty basket storage area in the 1993 ISRA Remedial Investigation Work Plan appears to have been under construction. The northwestern half of this area was graded and appears to have been unpaved, while the southeastern half was vegetated and ungraded.

- 11/5/75 & 3/26/84 -- The scale of both photographs is too large to permit a detailed evaluation of site conditions. No previously-unidentified areas of concern are apparent in either photograph. The four former sludge drying beds in Zone 10 of the site are visible in the 1975 photograph but appear to have been graded over by 1984.
- 4/19/93 -- The features apparent in this photograph reflect current site conditions, except that the effects of 1996 MOA remedial investigation activities in MOA Areas A and B are not present.

Additional review of other available aerial photographs of the site during the preparation of the planned Site Investigation/Remedial Investigation Work Plan for ISRA Case No. 97070 is planned. The additional review may be useful in determining the potential extent of some previously-identified areas of concern, such as the areas in the wooded area surrounding the former sludge beds where past filling activities may have been conducted.

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 10

A) NEW JERSEY AIR POLLUTION CONTROL PERMITS

C) NJPDES PERMITS

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 10

A) NEW JERSEY AIR POLLUTION CONTROL PERMITS

Refer to the table summarizing current facility New Jersey Air Pollution Control Permits which is attached on the following page.

**C) NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM
(NJPDES) PERMITS**

The following table summarizes facility NJPDES permits:

<u>Number</u>	<u>Discharge Activity</u>	<u>Date Issued</u>	<u>Expiration Date</u>	<u>Body of Water Discharged Into</u>	<u>Comments</u>
NJ0053295	Industrial/ Commercial	6/20/84	Rescinded	POTW	
NJ0053295	Stormwater	6/20/84	7/1/89 *	Gold Run	* Continuing to operate under this permit (with NJDEP approval) until NJDEP approves renewal application
NJ0075469	Discharge to Groundwater	3/14/90	Rescinded in 9/94 by NJDEP	Groundwater	

SUMMARY OF NEW JERSEY AIR POLLUTION CONTROL PERMITS

Air Pollution Control Plant Identification Number 60020

Certific. Number	Date Appr'd	Expiration Date	Associated Equipment	Emission Units	New Jersey Stack no.
122085	4/21/95	7/8/97	Powerhouse boilers	U0001, U0002	210
078563	6/29/87	9/15/99	Powder coating bake oven	U0003	108
093885	1/25/90	10/22/2000	ELPO oven	U0004	109
080269	Not recorded	8/4/99	Sanitation washdeck	U0005	156
080831	12/14/87	9/3/99	Powder spray booth	U0006	158
080832	12/14/87	9/3/99	Powder spray booth	U0007	159
080833	12/14/87	9/3/99	Powder spray booth	U0008	160
128199	10/17/96	7/13/97	Rack strip oven	U0009	164
128396	11/26/96	5/24/97	Rack strip oven	U0010	165
193736	1/12/90	1/26/2001	Aqueous alkali soak tank	U0011	170
			Spray wash	U0012	
			ELPO primer	U0013	
---	---	---	Grandfathered hot-air make-up units	U0014	178 - 182
085524	Not recorded	7/21/93 (still active, renewal fee lost by NJDEP)	Hot-air make-up unit	U0015	183
089375	7/28/88	1/13/2001	ELPO cooling tunnel	U0016	187
100417	1/31/91	10/27/96	ELPO curing oven	U0017	200
---	---	---	Grandfathered fuel-oil storage tanks	U0018	060

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 11

**SUMMARY OF ENFORCEMENT ACTIONS
FOR VIOLATIONS OF ENVIRONMENTAL LAWS OR REGULATIONS**

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 11

**SUMMARY OF ENFORCEMENT ACTIONS
FOR VIOLATIONS OF ENVIRONMENTAL LAWS OR REGULATIONS**

The pages summarizing enforcement actions for violations of environmental laws or regulations which were presented in the Site Evaluation Submission (SES) for ECRA / ISRA Case No. 92713 (McLaren/Hart Environmental Engineering Corporation, 9 March 1993, Attachment 4) are attached on the following pages 1 through 7. Descriptions of enforcement actions for notices of violations received after those which were described in the 1993 SES are presented on the pages following the 1993 SES descriptions (pages 8 through 11).

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 11/1/79
Agency Involved: OSHA
Section of Law/Statute Violated: 29 CFR 1910.95(b)(1); 29 CFR 1910.106(e)(2)(ii)(b)(1); 29 CFR 1910.106(e)(2)(iv)(d); and 29 CFR 1910.213(h)(1)
Description of Violation: Miscellaneous OSHA violations
Resolution: \$400 fine, correction of violations

Date of Action: 7/8/87
Agency Involved: NJDEP-Division of Water Resources (DWR)
Section of Law/Statute Violated: Not specified
Description of Violation: Compliance Evaluation Inspection: unacceptable rating received (no licensed operator for wastewater treatment system; sludge settling tanks in need of repair and emptying; monitoring results not included in 2/87 discharge monitoring report; multiple effluent discharge limit exceedances)
Resolution: Operator exhibited due diligence in taking test--was awaiting results at time of inspection; settling tanks to be replaced; insufficient flow was present to create an effluent, thus monitoring was not conducted for 2/87 report; turbidity monitors and flocculent monitors with alarms installed to prevent discharge of turbid water

Date of Action: 9/27/88
Agency Involved: NJDEP Bureau of Industrial Discharge Permits (BIDS)
Section of Law/Statute Violated: Not specified
Description of Violation: Discharge monitoring reports (5/31/87, 8/31/87, 4/31/88) indicated exceedances of discharge permit limitations; reasons for exceedances not included with reports
Resolution: Reasons for exceedances provided to NJDEP-BIDS; turbidity monitoring alarm levels lowered; bypass to holding tank installed to prevent releases

Date of Action: 9/28/88
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14-4.1
Description of Violation: Notice of non-compliance: facility did not file Sludge Quality Assurance Report as required by NJPDES permit
Resolution: Reporting commenced in October, 1988

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 3/30/89

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Compliance Evaluation Inspection: rating of unacceptable received for discharge to surface water (multiple exceedances of discharge limits); rating of unacceptable received for discharge to POTW (settling tanks full of sludge, exceedances of discharge limits); rating of conditionally acceptable for discharge to groundwater (multiple exceedances of groundwater standards--directed to prepare groundwater remediation plan)

Resolution: Explanations given for exceedances of surface water and POTW discharge standards; settling tanks to be removed at a later date, cleaning deferred until then; groundwater investigation plan developed and submitted to NJDEP.

Date of Action: 4/26/89

Agency Involved: NJDEP; USEPA Region II

Section of Law/Statute Violated: 40 CFR 112

Description of Violation: Discharge of oil to Gold Run

Resolution: Clean up of spill, future discharge of all waste oils to primary clarifiers for separation

Date of Action: 5/17/89

Agency Involved: NJDEP-DHWM

Section of Law/Statute Violated: NJSA 58.10-23.11(c)

Description of Violation: Discharge of waste oil

Resolution: *****

Date of Action: 7/11/89

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Compliance Evaluation Inspection: rating of conditionally acceptable received for discharge to surface water (directed to attempt to remove sludge from settling tanks pending their closure); received a rating of conditionally acceptable for discharge to groundwater (exceedances of groundwater standards--NJDEP indicated that it was conducting further review on groundwater results); received a rating of unacceptable for discharge to POTW (exceedance of lead discharge standard)

Resolution: Solids in settling tanks removed; modified treatment system to ensure complete metal hydroxide precipitation: dedicated tank used for lead treatment and analysis for lead conducted before discharge

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 9/20/89

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Compliance Evaluation Inspection: unacceptable rating received for discharge to POTW (multiple discharge standards exceeded; settling tanks filled with sludge)

Resolution: treatability studies conducted with coagulants and activated carbon to reduce discharge concentrations

Date of Action: 11/13/89

Agency Involved: NJDEP-DHWM

Section of Law/Statute Violated: NJSA 58:10-23.11c

Description of Violation: Hazardous substance discharge--nitric acid

Resolution: soil flushed with water to eliminate acidic puddle; 6 inches of top soil excavated and replaced with clean soil; contaminated soil treated as sludge in facility pretreatment plant

Date of Action: 3/2/90

Agency Involved: NJDEP-Division of Hazardous Waste Management (DHWM)

Section of Law/Statute Violated: NJAC 7:26-9.4(d)2; NJAC 7:26-9.4(d)4v; NJAC 7:26-9.6(e); NJSA 58:10-23.11a

Description of Violation: Wastes managed in containers leaking or not in good condition; containers not arranged so that ID labels visible; inadequate aisle space; discharge of hazardous substance

Resolution: Hazardous waste was transferred to sound container; drums rearranged to allow view of labels and aisle space; stained soil removed and replaced with clean fill, adjacent concrete pad removed, all disposed of a X725 non-RCRA hazardous waste

Date of Action: 7/24/90

Agency Involved: Ewing-Lawrence Sewerage Authority (ELSA)

Section of Law/Statute Violated: Not specified

Description of Violation: Discharge limits for copper, lead, zinc, phenol exceeded

Resolution: Sources of exceedances given; treatability studies for lead precipitation; improvements in sample collection; new laboratory selected, due to inaccurate analysis by previous one

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 1/11/91

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Compliance Evaluation Inspection: conditionally acceptable rating for facility discharges (excessive sludge buildup in settling tanks--no response required; failure to maintain an inspection log; exceedances of SIU permit limits; exceedances of groundwater standards; failure to submit a facility plot plan)

Resolution: Inspection log sheets condensed to book form and forwarded to NJDEP; test results for exceedances submitted as required, new oil removal system to alleviate problem; groundwater assessment study under production at time of NOV; site plan forwarded when complete

Date of Action: 2/14/91

Agency Involved: NJDEP-DHWM

Section of Law/Statute Violated: NJAC 7:26-7.4(h); NJAC 7:26-9.3(a)3; NJAC 7:26-9.3(d)1; NJAC 7:26-9.3(d)2

Description of Violation: 3 manifests were not in compliance with exception reporting requirements; roll-off containers not marked with accumulation start date and "Hazardous Waste" label; failure to ensure that hazardous waste quantity in each satellite area is below 55 gallons; containers in satellite areas not closed

Resolution: Manifest errors corrected; proper hazardous waste labels applied to roll-offs; internal memorandum issued to instruct personnel to limit hazardous waste quantity in satellite areas to 55 gallons; closed-bung float level indicators used to allow closure of drums

Date of Action: 3/12/91

Agency Involved: USEPA Region II

Section of Law/Statute Violated: 40 CFR 268.7(a)(6); 40 CFR 268.7(a)(1)

Description of Violation: Lack of land ban forms for 13 hazardous waste manifests and treatment standard for applicable treatability group was not indicated on land ban forms for F-solvent wastes

Resolution: Deficiencies corrected

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 7/1/91

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Discharge monitoring report for period ending 4/30/91 indicates non-compliance with effluent limitations and reporting requirements

Resolution: Computerized record-keeping system of NJDEP recognized vacant space as a violation--no actual violation--vacant space filled with relevant data and amended report submitted

Date of Action: 8/6/91

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: Not specified

Description of Violation: Discharge monitoring report for period ending 4/30/91 indicates non-compliance with effluent limitations and reporting requirements

Resolution: Computerized record-keeping system of NJDEP recognized vacant space as a violation--no actual violation--vacant space filled with relevant data and amended report

Date of Action: 8/8/91

Agency Involved: ELSA

Section of Law/Statute Violated: Not specified

Description of Violation: Exceeded lead discharge limit

Resolution: IFG records indicated that water discharged, sampled when in holding tank, was below limits

Date of Action: 8/22/91

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: NJAC 7:14A-1

Description of Violation: DWR indicated that COD and pH effluent limitations or reporting requirements were not being met

Resolution: COD and pH excursions investigated by IFG

Date of Action: 12/11/91

Agency Involved: NJDEP-DWR

Section of Law/Statute Violated: NJSA 58:10A-1

Description of Violation: Compliance Evaluation Inspection: discharge to surface water received a conditionally acceptable rating (COD and pH limits were not met); SIU received an unacceptable rating (total phenols discharge limit was exceeded)

Resolution: new oil/water separation system (2/92) to correct phenol problem; COD problem believed to be coming from off-site--local counsel contacted for advice

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 2/26/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14A-1
Description of Violation: Phenol discharge limit exceeded
Resolution: ELSA given jurisdiction in June, 1991--ELSA phenol limit not exceeded; IFG requested that NJPDES be rescinded

Date of Action: 5/20/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14A-1
Description of Violation: Phenol discharge limit exceeded
Resolution: ELSA given jurisdiction in June, 1991--ELSA phenol limit not exceeded; IFG requested that NJPDES be rescinded

Date of Action: 6/5/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14A-1
Description of Violation: Phenol discharge limit exceeded
Resolution: ELSA given jurisdiction in June, 1991--ELSA phenol limit not exceeded; IFG requested that NJPDES be rescinded

Date of Action: 6/29/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14A-1
Description of Violation: Phenol discharge limit exceeded
Resolution: ELSA given jurisdiction in June, 1991--ELSA phenol limit not exceeded; IFG requested that NJPDES be rescinded

Date of Action: 7/22/92
Agency Involved: ELSA
Section of Law/Statute Violated: Not specified
Description of Violation: Exceedance of total toxic organics (TTO) discharge limit from sanitary sewer outfall
Resolution: Source of exceedance was not found; non-compliance was noted by self monitoring analysis on 6/1/92; compliance was confirmed on 7/6/92

Summary of
Notices of Violation
Inland Fisher Guide Division of General Motors
Trenton, NJ

Date of Action: 9/9/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: NJAC 7:14A-1
Description of Violation: Phenol discharge limit exceeded
Resolution: ELSA given jurisdiction in June, 1991--ELSA phenol limit not exceeded; IFG requested that NJPDES be rescinded

Date of Action: 9/28/92
Agency Involved: NJDEP-DHWM
Section of Law/Statute Violated: NJSA 58:10-23.11c
Description of Violation: Discharge of a hazardous substance at under-90 day hazardous waste storage pad
Resolution: Under-90 day hazardous waste storage pad paved with an impermeable covering; metals contamination found in soils; groundwater contaminant migration to be monitored

Date of Action: 10/29/92
Agency Involved: NJDEP-DWR
Section of Law/Statute Violated: Not specified
Description of Violation: Compliance Evaluation Investigation: unacceptable rating (COD discharge limits exceeded; failure to report flow values for discharge sampling location 002)
Resolution: Stagnant conditions at location 002--no flow; this is believed to have caused high COD; sampling to be conducted at alternate 002 location in addition to old one

UPDATED SUMMARY OF ENFORCEMENT ACTIONS

Initiating Agency: Ewing-Lawrence Sewer Authority (ELSA)

Date of Action: 5/4/93

Statute, rule, or permit in question: Industrial Wastewater Pretreatment Program discharge permit 00106; New Jersey Water Pollution Control Act regulations section N.J.A.C. 7:14-8.2.

Type of Action: Notice of Violation (NOV). Penalty of \$1,000 assessed on 5/27/93.

Description of Violation: Exceedance of 0.1 milligrams per liter (mg/L) permit limit for Total Toxic Organics (TTO) reported by GM in discharge sample collected from outfall DSN002 on 4/22/93 (TTO concentration reported was 0.159 mg/L). GM classified as non-complier by ELSA. New Jersey Department of Environmental Protection and Energy (NJDEPE) also notified; event assigned case number 93-4-22-1345-20 by NJDEPE.

Resolution: Penalty paid on 6/22/93. GM believed source of contaminants detected (0.15 mg/L tetrachloroethylene detected in the sample) was a spill of fuel-oil additive which had occurred inside the facility powerhouse on 4/21/93.

Initiating Agency: NJDEPE, Division of Enforcement Field Operations, Central Bureau of Water and Hazardous Waste Enforcement (CBWHWE)

Date of Action: 5/12/93

Statute, rule, or permit in question: New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.).

Type of Action: NOV.

Description of Violation: Unpermitted discharge. On 5/12/93, a leak was discovered in an underground pipe connecting an out-of-service sludge-settling tank at the facility wastewater pretreatment facility to the sludge filter press in the pretreatment building. The tank reportedly contained rainwater; residual sludge and treated process wastewater were possibly also present. Some liquid was released from subsurface to the ground surface, and approximately 20 gal. of material reportedly ran off to the adjacent on-site drainage swale, which discharges to Gold Run.

Resolution: The leak was stopped, and the underground pipe was exposed in an excavation and sealed. As described in Attachment 8 of this report, the release was assigned Case No. 93-05-12-1324-11 by the NJDEPE. The area of the leak was identified as an area of concern in the ISRA Remedial Investigation Plan (McLaren/Hart Environmental Engineering Corp., 9/3/93).

Initiating Agency: NJDEPE CBWHWE

Date of Action: 6/28/93

Statute, rule, or permit in question: New Jersey Water Pollution Control Act (specifically section N.J.S.A. 58:10A-6) and pursuant regulations (N.J.A.C. 7:14A-1.2), and New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Surface Water (DSW) Permit No. NJ0053295.

Type of Action: Administrative Order (AO) to GM to discharge pollutants only in conformity with the above-referenced permit, and Notice of Civil Administrative Penalty Assessment (NOCAPA) of \$21,000.

Description of Violation: Exceedance of 100 mg/L permit limit for Chemical Oxygen Demand (COD) reported by GM in discharge monitoring report for May 1992 at outfall DSN002A (COD concentration reported was 350 mg/L); exceedance of permit limit for COD reported for September 1992 at outfall DSN003A (COD concentration reported was 140 mg/L); exceedance of 50 mg/L permit limit for Total Suspended Solids (TSS) reported in discharge monitoring report for May 1992 at outfall DSN001A (TSS concentration reported was 92 mg/L). A Notice of Violation was received from the NJDEPE for the latter two reports on 5/12/93.
Resolution: Resolved with Stipulation for Settlement executed by GM and New Jersey in August 1994 (General Motors Corporation v. NJDEP, OAL Docket No. EWR 01169-94). Settlement and payment to NJDEP of \$4,000 also covered an alleged TSS exceedance at outfall DSN002A in February 1994.

Initiating Agency: ELSA

Date of Action: 1/18/94

Statute, rule, or permit in question: Industrial Wastewater Pretreatment Program discharge permit 00106.

Type of Action: NOV.

Description of Violation: Exceedance of 0.1 mg/L permit limit for TTO reported by GM in discharge sample collected on 12/27/93 (TTO concentration reported was 0.119 mg/L).

Resolution: No Further Action agreed upon by GM and ELSA during meeting at ELSA offices.

Initiating Agency: NJDEPE CBWHWE

Date of Action: 1/26/94

Statute, rule, or permit in question: New Jersey Water Pollution Control Act (specifically section N.J.S.A. 58:10A-6) and pursuant regulations (N.J.A.C. 7:14A-1.2), and NJPDES DSW Permit No. NJ0053295.

Type of Action: AO/NOCAPA, order to discharge pollutants only in conformity with the above-referenced permit, penalty of \$15,000.

Description of Violation: Exceedance of TSS permit limit (50 mg/L) in August 1993 at outfall DSN003A (TSS concentration was 160 mg/L). The permit exceedance was noted by an NJDEPE CBWHWE representative during a compliance evaluation inspection on 10/25/93.

Resolution: \$15,000 penalty paid by GM to NJDEP.

Initiating Agency: ELSA

Date of Action: 3/23/94

Statute, rule, or permit in question: Industrial Wastewater Pretreatment Program discharge permit 00106.

Type of Action: NOV.

Description of Violation: Exceedance of 0.5 mg/L permit limit for total phenolics reported by GM on 2/24/94 (concentration reported was 0.61 mg/L).

Resolution: No further enforcement measures taken by ELSA; ELSA granted affirmative defense of laboratory error in sample analysis producing invalid result for total phenolics.

Initiating Agency: NJDEPE CBWHWE

Date of Action: 4/28/94

Statute, rule, or permit in question: New Jersey Water Pollution Control Act (specifically section N.J.S.A. 58:10A-1 et seq.) and NJPDES DSW Permit No. NJ0053295.

Type of Action: NOV.

Description of Violation: Exceedance of TSS permit limit (50 mg/L) alleged for outfalls DSN002A and -3A during February 1994.

Resolution: Resolved with Stipulation for Settlement executed by GM and New Jersey in August 1994 (General Motors Corporation v. NJDEP, OAL Docket No. EWR 01169-94). As described above, the settlement and payment to NJDEP of \$4,000 also covered the AO/NOCAPA of 6/28/93.

Initiating Agency: NJDEPE, Division of Enforcement Field Operations, Air & Environmental Quality Enforcement

Date of Action: 4/29/94

Statute, rule, or permit in question: New Jersey Air Pollution Control Act (N.J.S.A. 26:2C-1 et seq.) and pursuant regulations (N.J.A.C. 7:27-8.3(e)1), and air pollution control Permit/Certificate log# 109704.

Type of Action: Administrative Order of Revocation, revoking the above-referenced permit, and NOCAPA assessing a penalty of \$8,000.

Description of Violation: Exceedance by up to 2333 percent of permitted emission rate of 1.27 pounds/hour for carbon monoxide during February 1993 stack test.

Resolution: \$8,000 penalty paid by GM to NJDEP.

Initiating Agency: ELSA

Date of Action: 10/24/94

Statute, rule, or permit in question: Industrial Wastewater Pretreatment Program discharge permit 00106.

Type of Action: NOV.

Description of Violation: Exceedance of 0.1 mg/L permit limit for TTO reported by GM on 6/28/94 (TTO concentration reported was 0.22 mg/L).

Resolution: No further enforcement measures taken by ELSA; ELSA granted affirmative defense of invalid sample analysis result.

Initiating Agency: New Jersey Department of Environmental Protection (NJDEP) CBWHWE

Date of Action: 2/14/95

Statute, rule, or permit in question: NJPDES DSW Permit No. NJ0053295.

Type of Action: Notification of "Conditionally Acceptable" rating.

Description of Violation: Exceedance of TSS permit limit (50 mg/L) at outfall DSN003A during May and November 1994 and exceedance of Oil & Grease (O&G) permit limit (15 mg/L) at outfall DSN003A during November 1994, as noted during 1/30/95 compliance evaluation inspection by NJDEPE CBWHWE.

Resolution: No further enforcement actions required.

Initiating Agency: NJDEP Water Compliance and Enforcement Division, Central Bureau of Water Compliance and Enforcement

Date of Action: 3/18/96

Statute, rule, or permit in question: NJPDES DSW Permit No. NJ0053295 and/or New Jersey Water Pollution Control Regulations (N.J.A.C. 7:14A-1 et seq.).

Type of Action: Notification of "Unacceptable" rating, followed by 6/6/96 Notice of Settlement for Effluent Violation.

Description of Violation: Exceedance of permit limit for COD reported for April 1995 at outfall DSN002A (COD concentration reported was 220 mg/L).

Resolution: Pursuant to 6/6/96 settlement, GM paid \$1,000 to NJDEP.

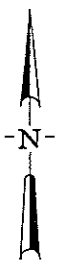
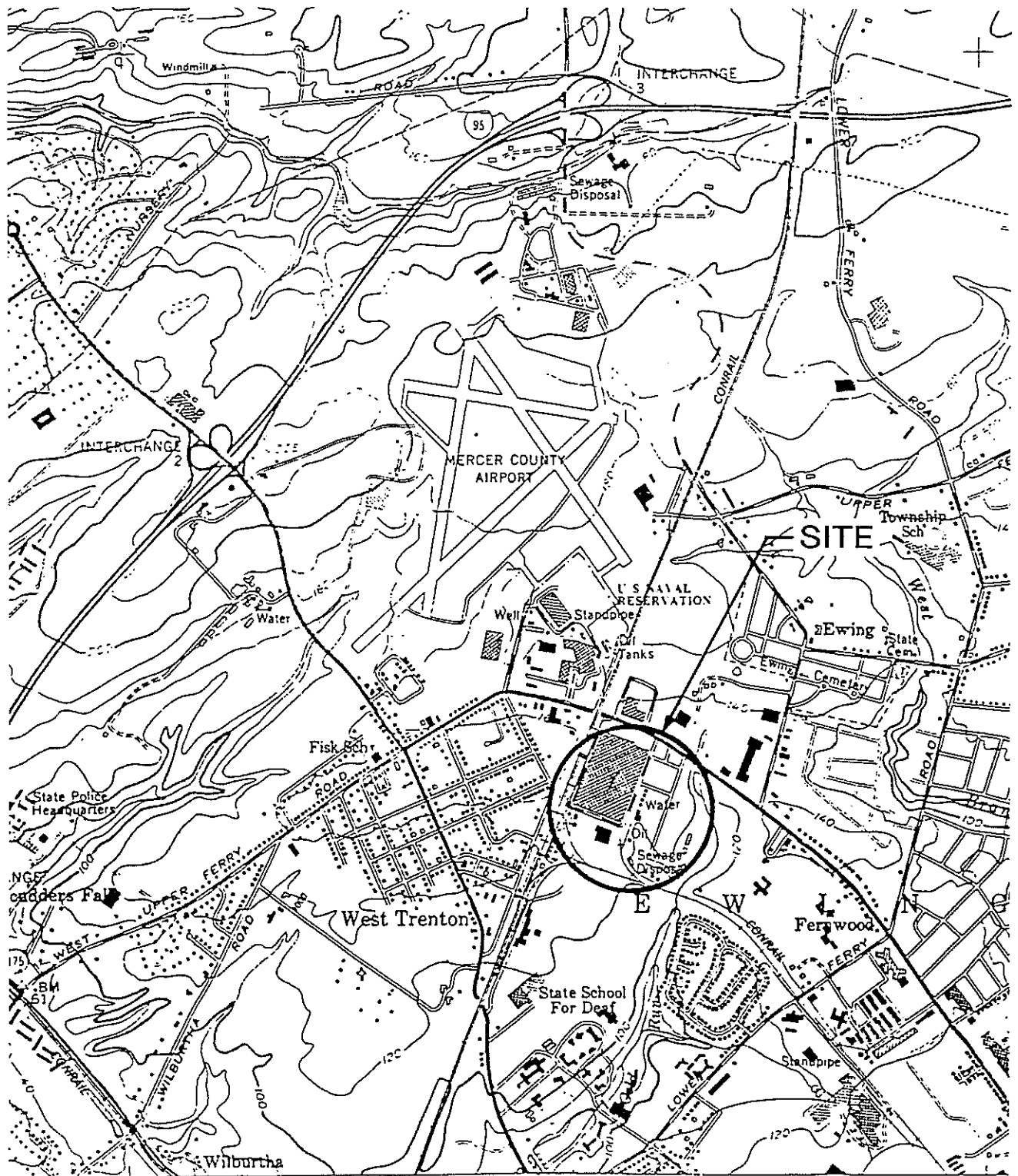
PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 12

SITE MAP AND LOCATION OF AREAS OF CONCERN

70613-001 \ LOCUS



QUADRANGLE LOCATION: PENNINGTON, N.J.

HALEY & ALDRICH

UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

PRELIMINARY ASSESSMENT REPORT
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY

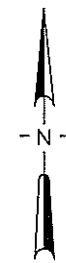
PROJECT LOCUS

SCALE: 1" = 2000'

MAY 1997

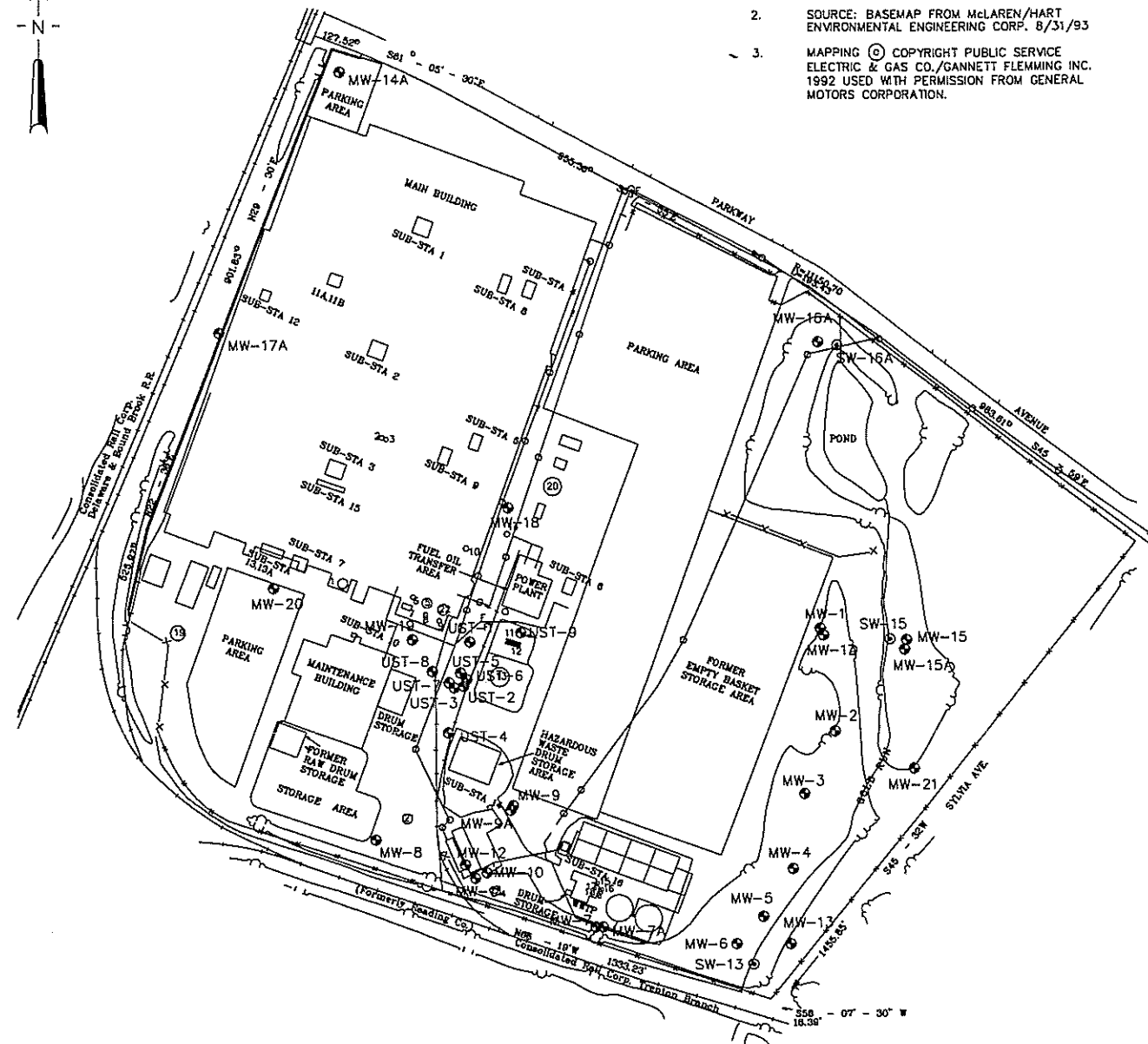
FIGURE 1

70613-001



NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SOURCE: BASEMAP FROM McLAREN/HART ENVIRONMENTAL ENGINEERING CORP. 8/31/93
3. MAPPING © COPYRIGHT PUBLIC SERVICE ELECTRIC & GAS CO./GANNETT FLEMING INC. 1992 USED WITH PERMISSION FROM GENERAL MOTORS CORPORATION.

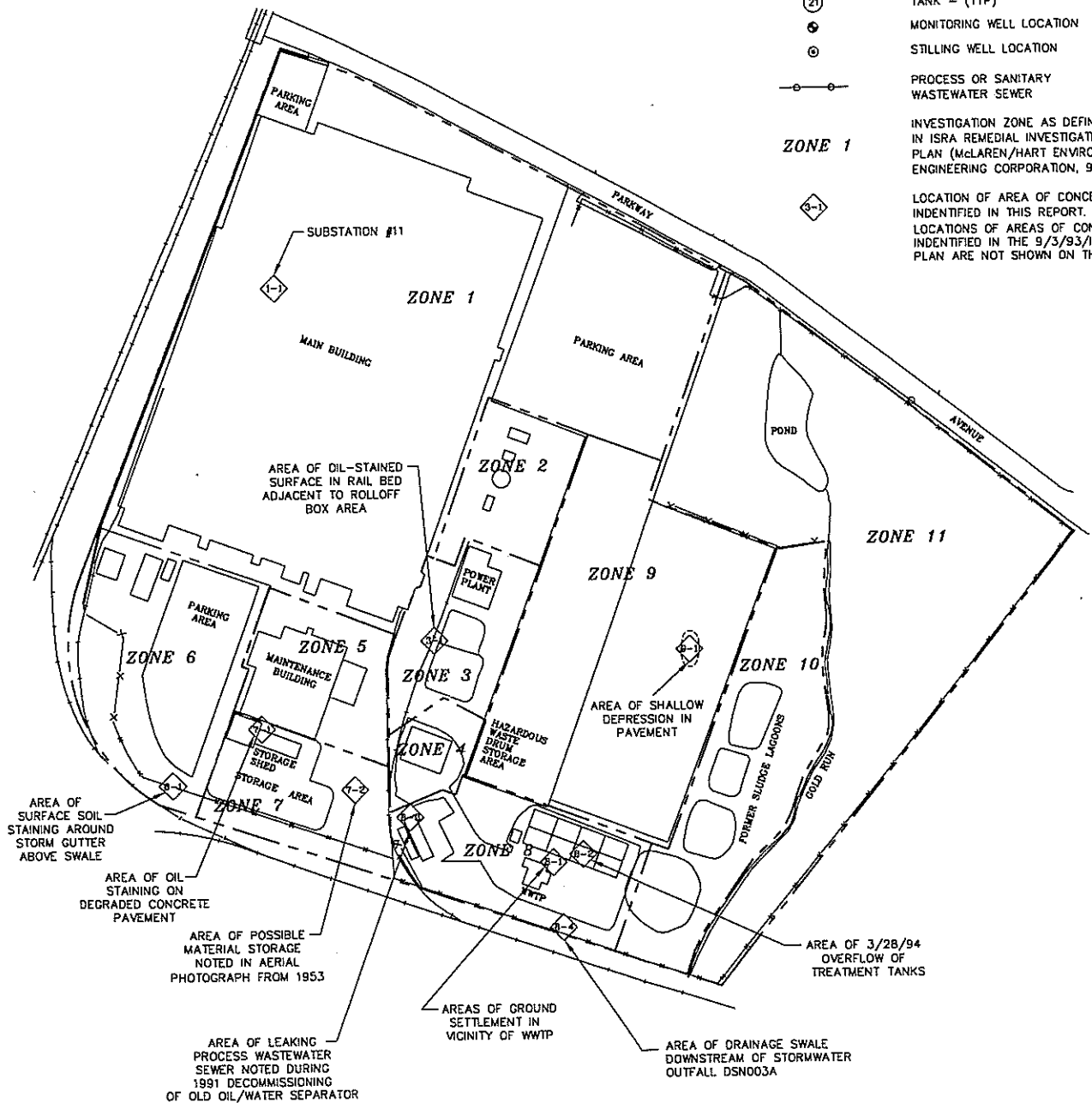


SITE PLAN

200 0 200
SCALE IN FEET

LEGEND

- APPROXIMATE PROPERTY BOUNDARY AND/OR INVESTIGATION ZONE BOUNDARY FROM 1993 ISRA RI PLAN
- x-x- FENCE LINE
- (21) TANK - (TYP)
- MONITORING WELL LOCATION
- STILLING WELL LOCATION
- PROCESS OR SANITARY WASTEWATER SEWER
- ZONE 1 INVESTIGATION ZONE AS DEFINED IN ISRA REMEDIAL INVESTIGATION PLAN (McLAREN/HART ENVIRONMENTAL ENGINEERING CORPORATION, 9/3/93)
- ◆-1- LOCATION OF AREA OF CONCERN IDENTIFIED IN THIS REPORT. LOCATIONS OF AREAS OF CONCERN IDENTIFIED IN THE 9/3/93/ISRA RI PLAN ARE NOT SHOWN ON THIS PLAN.



LOCATION OF AREAS OF CONCERN

200 0 200
SCALE IN FEET



PRELIMINARY ASSESSMENT REPORT
GENERAL MOTORS CORPORATION
TRENTON, NEW JERSEY

**SITE PLAN AND
LOCATION OF AREAS OF
CONCERN**

SCALE: AS SHOWN

MAY 1997

FILENAME: FIG2.DWG

FIGURE 2

PRELIMINARY ASSESSMENT REPORT FORM

ISRA CASE No. 97070

ATTACHMENTS - SECTION 13

REFERENCES

PRELIMINARY ASSESSMENT REPORT FORM
ISRA CASE No. 97070

ATTACHMENTS - SECTION 13

REFERENCES

1. McLaren/Hart Environmental Engineering Corporation, "Site Evaluation Submission (SES), for Inland-Fisher Guide Division of General Motors Corporation, Trenton, New Jersey Facility, ECRA Case No. 92713," March 9, 1993.
2. McLaren/Hart Environmental Engineering Corporation, "ISRA Remedial Investigation Plan, Inland-Fisher Guide Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, ISRA Case No. 92713," September 3, 1993.
3. State of New Jersey, Department of Environmental Protection and Energy, Division of Responsible Party Site Remediation, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Douglas Stuart, Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, December 17, 1993. 12 May 1994
4. Inland-Fisher Guide Division, General Motors Corporation, letter from Kathleen M. Nicholson, P.E., to Mr. David Bean, State of New Jersey, Department of Environmental Protection and Energy, Division of Responsible Party Site Remediation, February 28, 1994.
5. State of New Jersey, Department of Environmental Protection and Energy, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Stephen Maybury, Section Chief, to Marilyn Dedyne, GM Environmental and Energy Staff, May 12, 1994.
6. URS Consultants, Inc., "Preliminary Assessment/Site Investigation Report, Proposed Remedial Investigation Work Plan, Delphi Interior & Lighting Systems Division, General Motors Corporation, 1445 Parkway Avenue, Trenton, New Jersey, 08650-1019, Case No. 95-2-22-1407-48," May 1996.
7. State of New Jersey, Department of Environmental Protection, Bureau of Environmental Evaluation and Cleanup Responsibility Assessment, letter from Gregory C. Zalaskus, Case Manager, to Marilyn Dedyne, P.E., General Motors, July 22, 1996.