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Mercury Refining Co., Inc.
PROCESSORS OF MERCURY AND SILVER

FINAL REPORT
Remedial Program
Albany Plant Site

301914

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PROCESSORS OF MERCURY AND SILVER

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Albany Plant Site

March 7, 1986
Ref. No. 1111

CONESTOGA-ROVERS & ASSOCIATES LIMITED

301915

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1.0 INTRODUCTION

On September 11, 1985 an Order on Consent was signed between Mercury Refining Co., Inc. and the State of New York. Appendix B of the judgment contains the Approved Remedial Plan Summary. The plan for the remedial program was prepared by Conestoga-Rovers & Associates Limited (CRA) and was approved by the New York State Department of Environmental Conservation (NYSDEC). The details of the plans were presented in the documents entitled "Contract Documents & Specifications - Remedial Program - Albany Plant Site - April 1985". Tenders were called on May 31, 1985 and the contract was awarded to Severson Containment Corporation on August 23, 1985.

The purpose of this report is to document the remedial activities that were undertaken at the Mercury Refining Site (Site) and to confirm completion of each activity in accordance with the April 1985 document. The location of the Site is illustrated on Figure 1. A plan of the Site is presented on Figure 2.

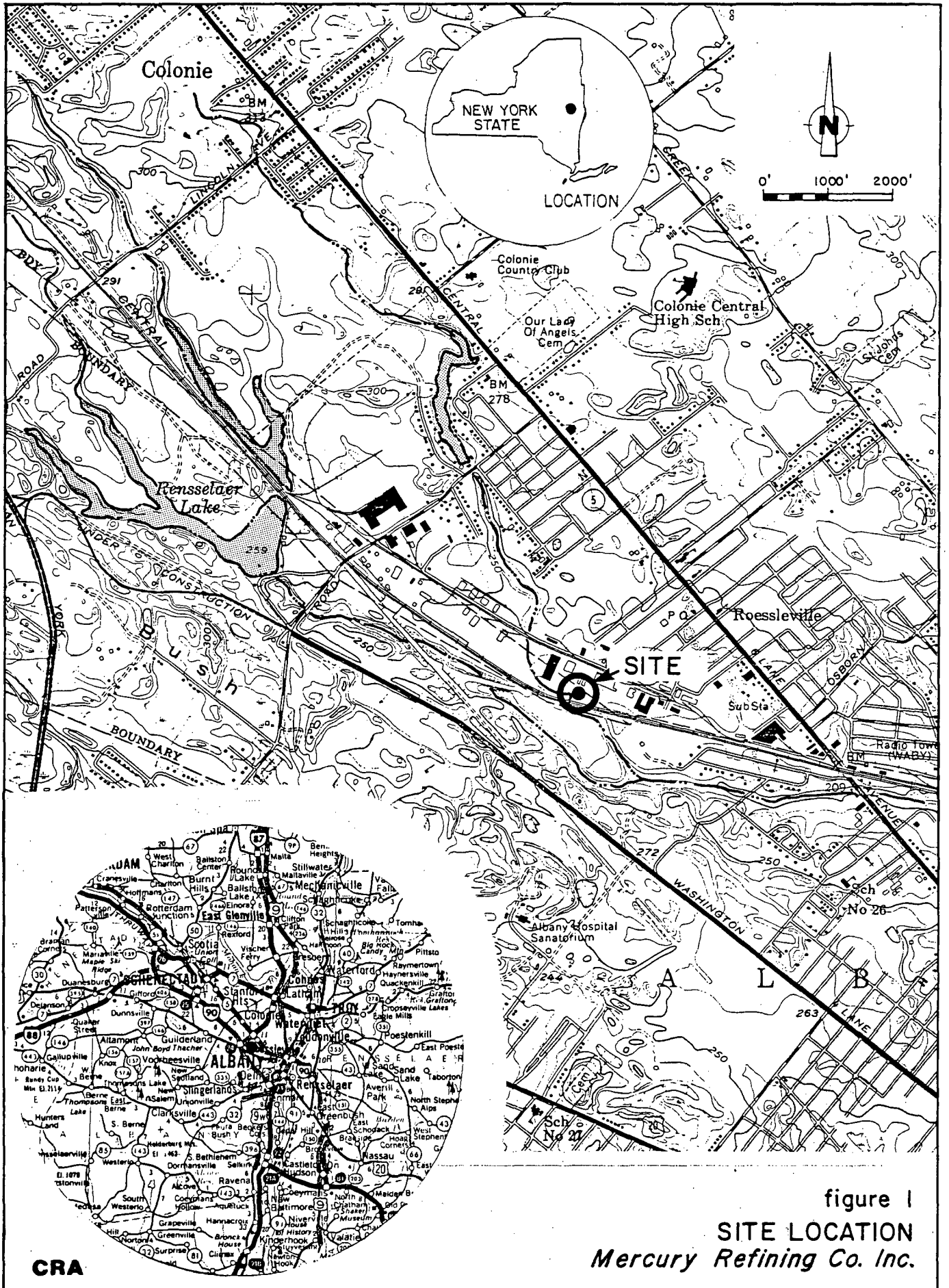


figure 1
 SITE LOCATION
 Mercury Refining Co. Inc.

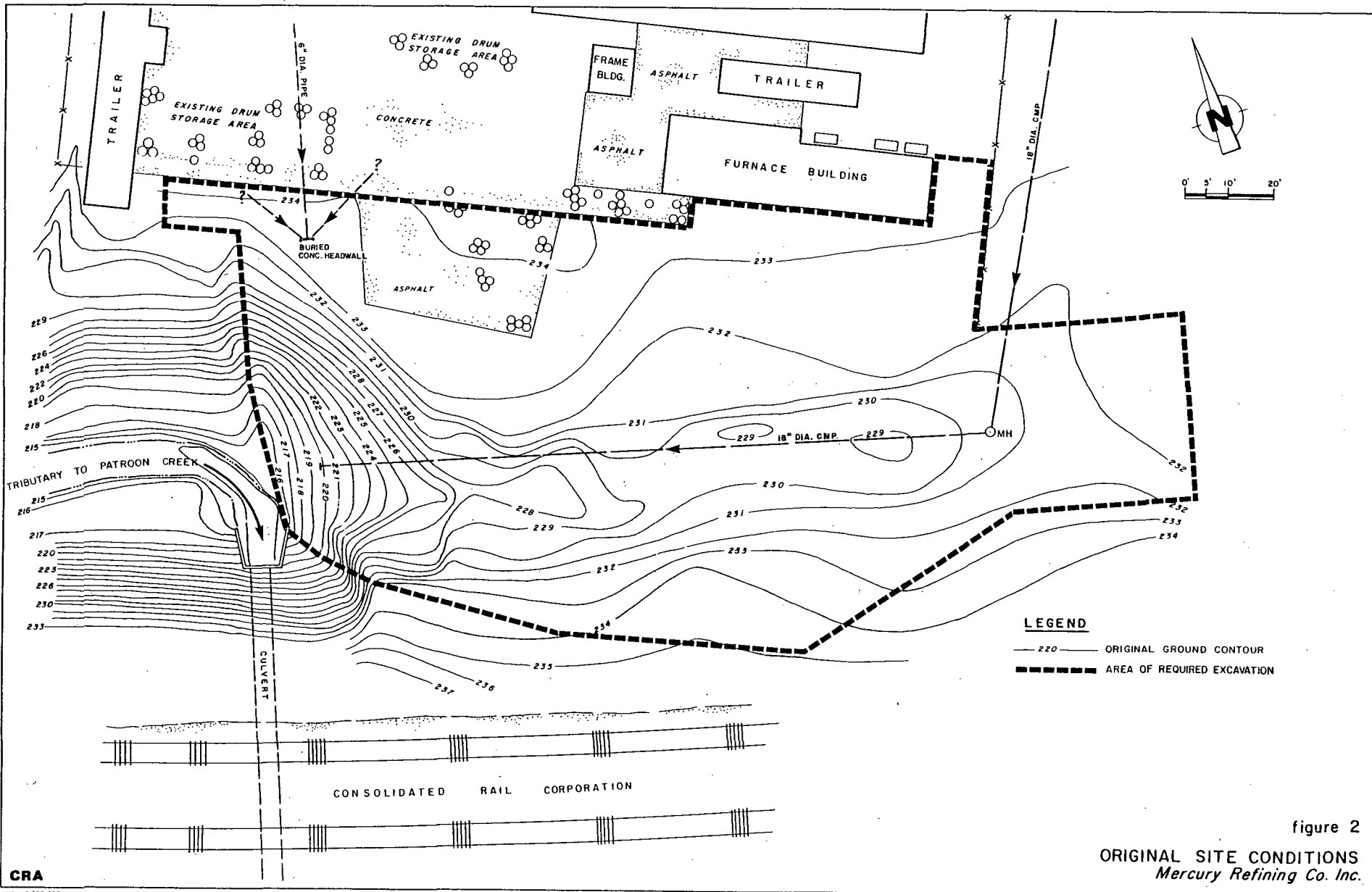


figure 2
 ORIGINAL SITE CONDITIONS
 Mercury Refining Co. Inc.

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2.0 SCOPE OF WORK

The scope of work performed under the approved Remedial Program was as follows:

- i) Excavation of PCB contaminated soils and debris from the Site as approved by the NYSDEC.
- ii) Excavation of mercury contaminated soils and debris from the Site as approved by the NYSDEC.
- iii) Transport to, and disposal of all excavated materials at SCA Chemical Services' permitted landfill facility located in Model City, New York.
- iv) Backfill of excavated areas with clean imported fill.
- v) Construction of a clay or concrete cap over all excavated areas.
- vi) Installation of a new 8-inch diameter storm sewer system to handle surface water drainage at the plant site.
- vii) Installation of a gabion wall at the stream edge to prevent erosion.
- viii) Implementation of a Site health and safety program designed to minimize the impact of program implementation on on-site workers and the environment at large.

3.0 EXCAVATION, TRANSPORTATION AND DISPOSAL OF WASTE

3.1 GENERAL

All of the excavated waste from the Mercury Refining Site was transported to the disposal facility by truck. The contaminated soils were initially proposed to be transported by rail using bottom-dumping hopper cars. However, when the rail hopper cars were delivered to the Site they were deemed to be unsuitable for use as hazardous waste transportation units for the following reasons:

- some cars were perforated
- some unloading doors were inoperable
- some cars had residual product left in them

The above noted state of disrepair, liability considerations and legal complications resulted in the decision by the Contractor to haul all of the wastes by truck.

Prior to loading, each truck was lined with polyethylene to prevent leakage and contamination of the truck bed. When loading, the trucks were driven onto polyethylene sheets to further prevent truck contamination. A tarpauline was placed over the waste before the trucks were allowed to leave the Site.

The excavated waste was transported to and disposed at SCA Chemical Services' permitted disposal facility in Model City, N.Y. Each truck was weighed and inspected upon arrival. PCB contaminated soils were manifested as Waste Polychlorinated Biphenyls, Mixture N.O.S. The mercury contaminated soils did not require manifesting. The mercury soils were transported, with State approval, as "Dirt Contaminated with Trace Mercury, Non-Hazardous and Non-Regulated". A copy of the letter from the NYSDEC representative authorizing this handling of the waste is presented in Appendix A.

3.2 CLEARING AND GRUBBING

Prior to beginning the excavation of Site wastes, it was necessary to remove some surficial obstructions including trees, shrubs and fences. With the exception of the usable firewood, all of the surficial debris was taken to a sanitary landfill for disposal. These obstructions were removed during the three day period of September 13 - 15, 1985.

Two existing observation wells were also removed during excavation. The well materials were disposed of with the mercury waste as they were deemed contaminated.

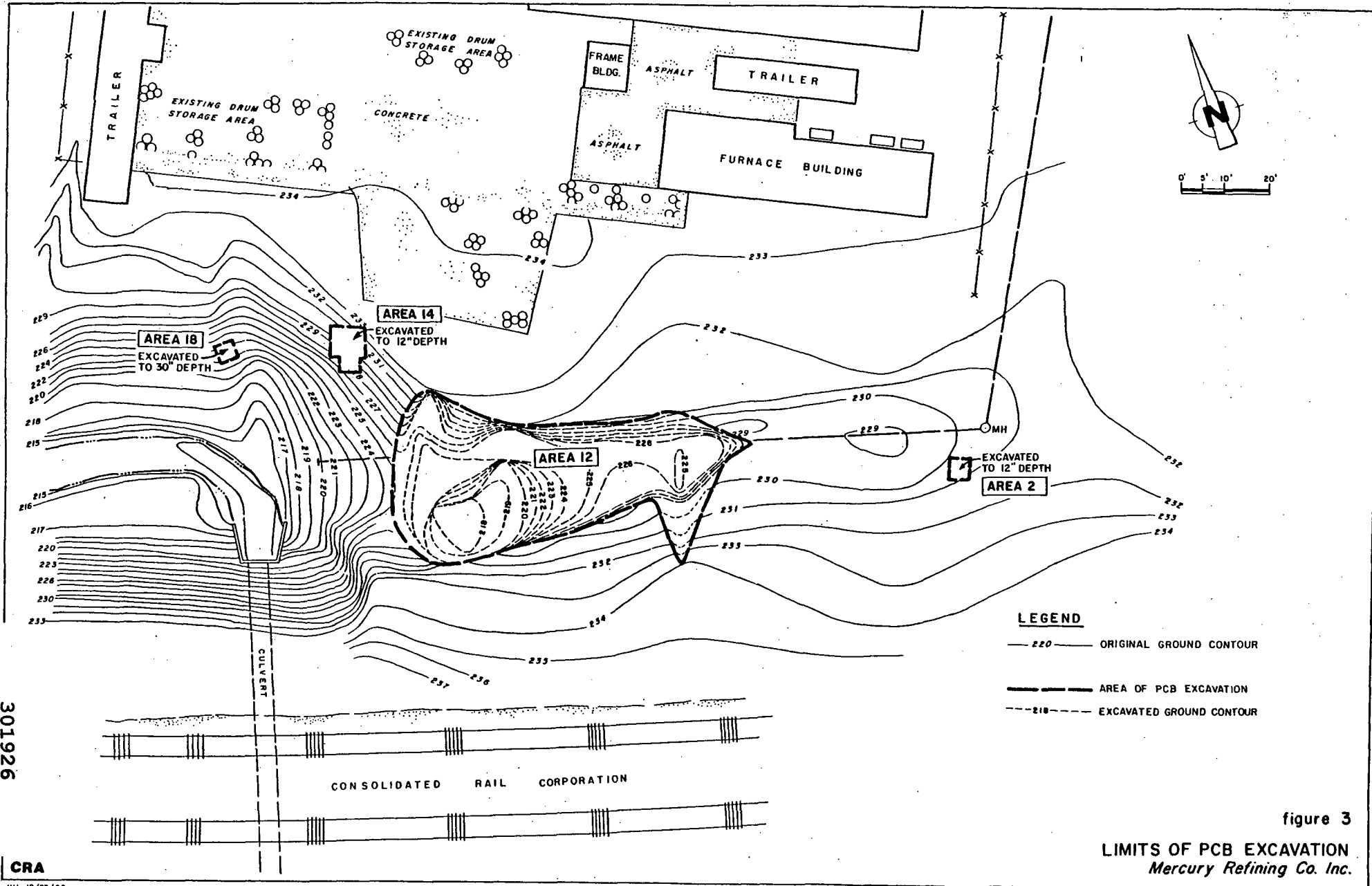
3.3 PCB WASTE

The PCB contaminated soils which also contain some mercury will hereinafter be referred to as "PCB waste".

Actual excavation of the PCB waste commenced on September 16, 1985 and was completed on September 17, 1985 (2 days). Figure 3 indicates the area of PCB excavation and the bottom ground contours of the completed PCB excavation. In total, 340 cubic yards of PCB waste was excavated and stockpiled using a JCB rubber tired backhoe. A Komatsu 220 backhoe was used to load the PCB waste into the trucks.

The excavated PCB waste filled 23 trucks totalling 412.89 tons. Each truck was individually manifested. Appendix B lists each truck manifested and the corresponding waste tonnage. Copies of the actual manifests are found in Appendix C.

Following completion of the PCB excavation, all of the waste handling equipment was decontaminated in the PCB decontamination facility constructed on-site. Figure 4 illustrates the decontamination facility constructed. The PCB decontamination facility was disassembled following PCB excavation completion and disposed of with the PCB waste.

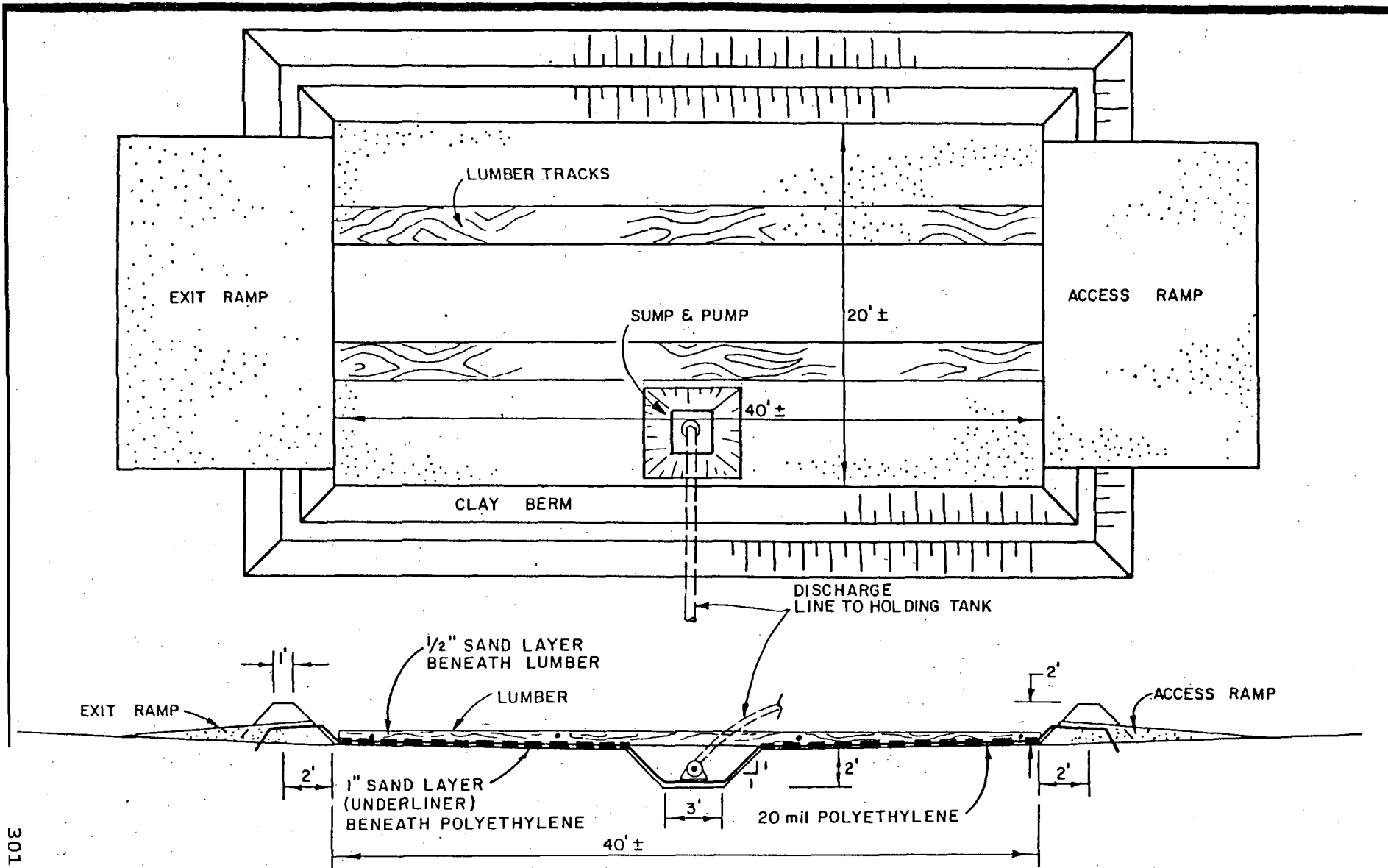


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figure 3
LIMITS OF PCB EXCAVATION
Mercury Refining Co. Inc.



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figure 4

TEMPORARY EQUIPMENT DECONTAMINATION FACILITY
Mercury Refining Co. Inc.

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3.4 MERCURY WASTE

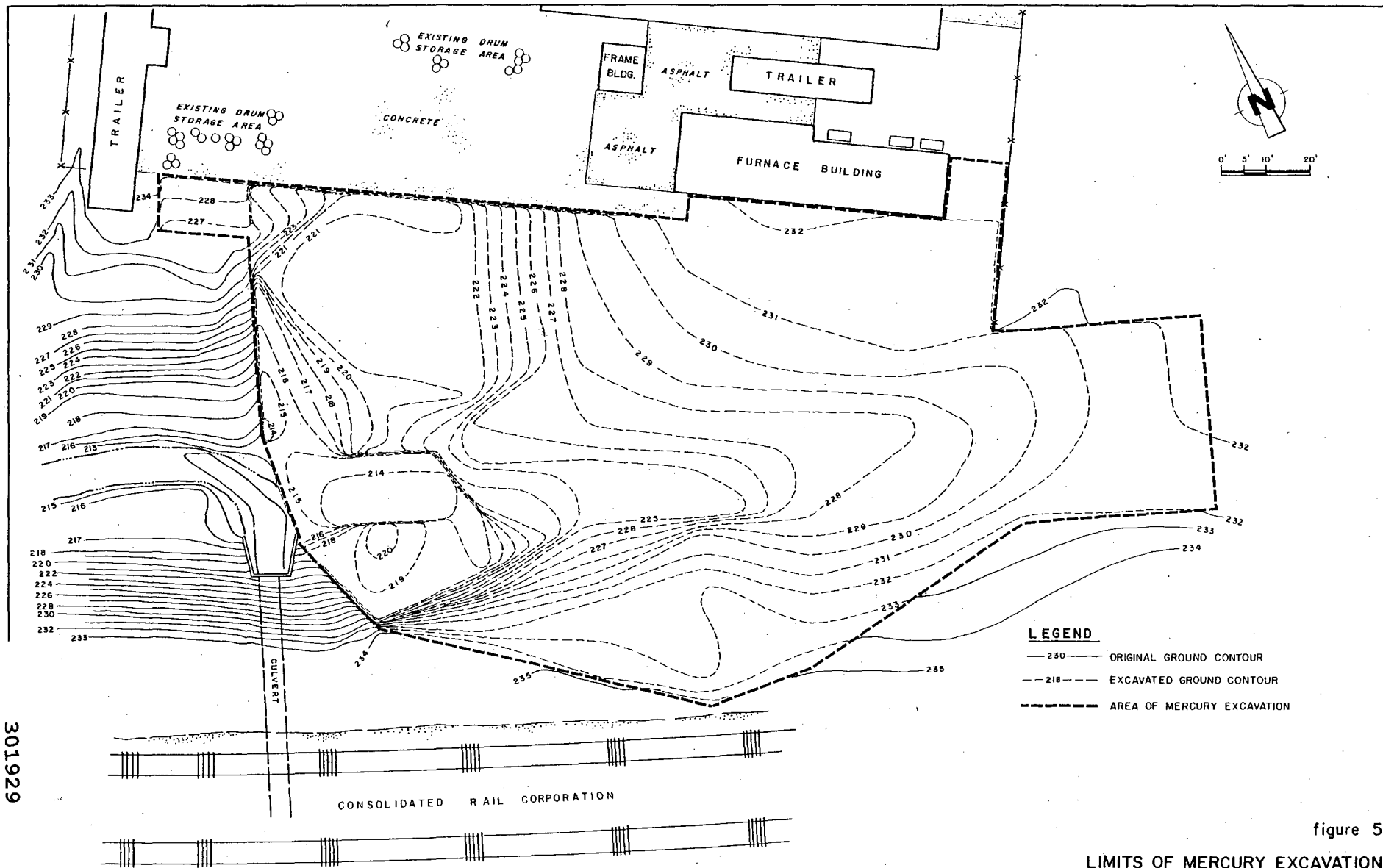
Mercury contaminated soils which may contain PCB's of concentrations up to 50 ppm will hereinafter be referred to as "mercury waste".

Excavation of the mercury waste commenced on September 18, 1985 and continued until September 30, 1985. A total of 1,820 cubic yards of mercury waste was removed from within the areal limits indicated on Figure 5. This figure also indicates the bottom ground contours of the completed excavation. The Komatsu 220 backhoe and a bulldozer worked in tandem to excavate and stockpile the waste in preparation for loading. The waste was loaded into the trucks with the backhoe.

Besides soil and waste batteries, debris including scrap metal, wood and concrete was excavated. The central section of the site (southwest of the furnace building near the creek) contained a large percentage of such debris.

The excavated mercury waste filled 82 trucks totalling 2,044.63 tons. Appendix D lists each truck and the corresponding waste tonnage.

The existing concrete storm sewer headwall was broken up and disposed with the mercury contaminated soils.



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figure 5
 LIMITS OF MERCURY EXCAVATION
 Mercury Refining Co. Inc.

Following completion of the mercury excavation, all waste handling equipment was decontaminated in the mercury decontamination facility constructed on-site. As with the PCB facility, the mercury decontamination facility was disassembled and disposed with the mercury waste.

4.0 SITE RESTORATION

4.1 BACKFILLING EXCAVATION

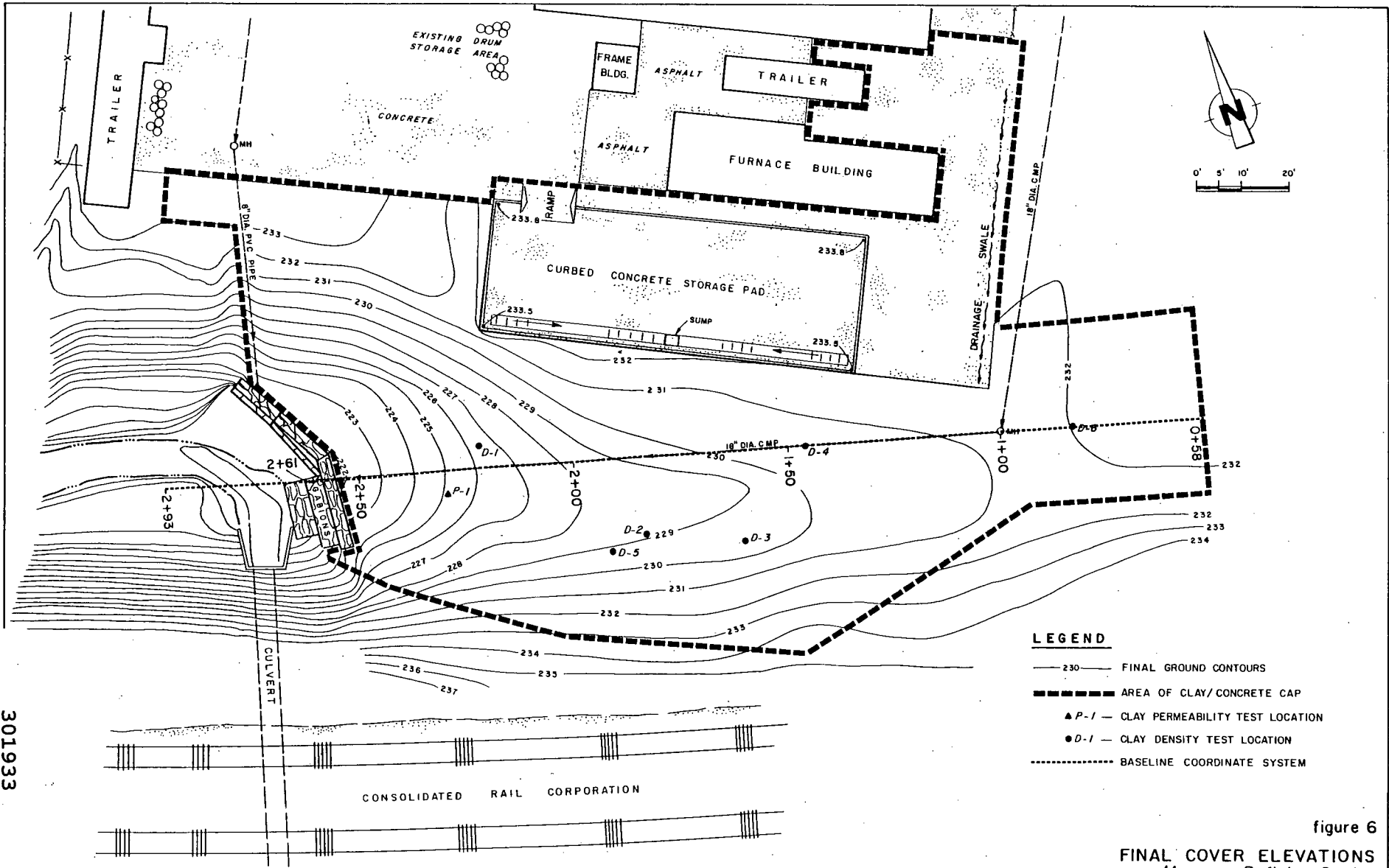
On September 28, 1985, following completion of the waste excavation program, the backfilling operation began. Initially, the site was pregraded to eliminate the major excavations and level the Site. A sulfur treatment was then applied to the entire site. Backfill consisted of 724 cubic yards of imported loam fill placed in the areas designated for clay cover and 247 cubic yards of gray brown running bank granular fill placed in the areas designated for concrete cover. The backfilling operation was completed by October 14, 1985.

Density tests were performed on the regraded soils, granular fill and loam fill after compaction with a 6-ton Lokomo vibratory smooth drummed roller. The results of these tests are presented in Appendix E and summarized in Table 1. The locations of these samples are shown on Figure 6. When compaction results were less than 95 percent, these specific areas were excavated and recompactd to the Site Engineer's satisfaction.

TABLE 1

SUMMARY OF FIELD DENSITY TEST RESULTS

<u>Soil Type</u>	<u>Sample Location</u>	<u>Date Sampled</u>	<u>Maximum Dry Density (pcf)</u>	<u>Optimum Water Content (%)</u>	<u>% Compaction</u>
Native Fill	on-site	Sept. 30/85	107.4	14.0	
	1+10 o/s 5'S	Oct. 10/85	112.8	9.6	100+
Sewer Bedding	on-site	Sept. 30/85	107.4	14.0	
	25'E of CB #3	Oct. 11/85	118.7	11.2	100+
	2' E of CB #3	Oct. 11/85	101.0	13.0	94.0
	25'S of CB #3	Oct. 11/85	96.8	13.8	90.1
	30'S of CB #4	Oct. 14/85	96.5	10.9	89.9
	15'W of CB #1	Oct. 14/85	96.5	11.7	89.9
	6' E of CB #1	Oct. 14/85	100.3	17.7	93.4
	10'S of CB #3	Oct. 17/85	112.7	13.4	100+
Loam Fill	at pit	Sept. 30/85	134.0	8.0	
	2+25 o/s 10'N	Oct. 10/85	114.5	13.7	85.4
	retest of above	Oct. 14/85	133.5	9.7	99.6
Granular Fill	at pit	Sept. 30/85	131.0	6.2	
	1+35 o/s 42'N	Oct. 2/85	122.0	4.0	93.1
	1+75 o/s 32'N	Oct. 2/85	130.9	4.3	99.9
	1+35 o/s 36'N	Oct. 2/85	125.0	4.1	95.4
	1+50 o/s 40'S	Oct. 3/85	123.6	4.0	94.6
	1+18 o/s 25'S	Oct. 3/85	123.0	5.0	93.9
	1+83 o/s 40'S	Oct. 3/85	128.0	4.1	98.3
Clay Cover	at pit	Aug. 25/85	111.4	18.3	
	2+25 o/s 5'N	Oct. 14/85	106.9	19.7	96.0
	1+88 o/s 17'S	Oct. 14/85	106.1	17.3	95.2
	1+65 o/s 20'S	Oct. 14/85	129.7	15.3	100+
	0+83 o/s 0	Oct. 17/85	112.2	18.5	100+
	1+96 o/s 20'S	Oct. 17/85	115.9	16.9	100+
	2+48 o/s 12'N	Oct. 18/85	126.3	15.4	100+



- LEGEND**
- 230 — FINAL GROUND CONTOURS
 - ▬▬▬▬ AREA OF CLAY/CONCRETE CAP
 - ▲ P-1 — CLAY PERMEABILITY TEST LOCATION
 - D-1 — CLAY DENSITY TEST LOCATION
 - BASELINE COORDINATE SYSTEM

figure 6
 FINAL COVER ELEVATIONS
 Mercury Refining Co. Inc.

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4.2 GABIONS

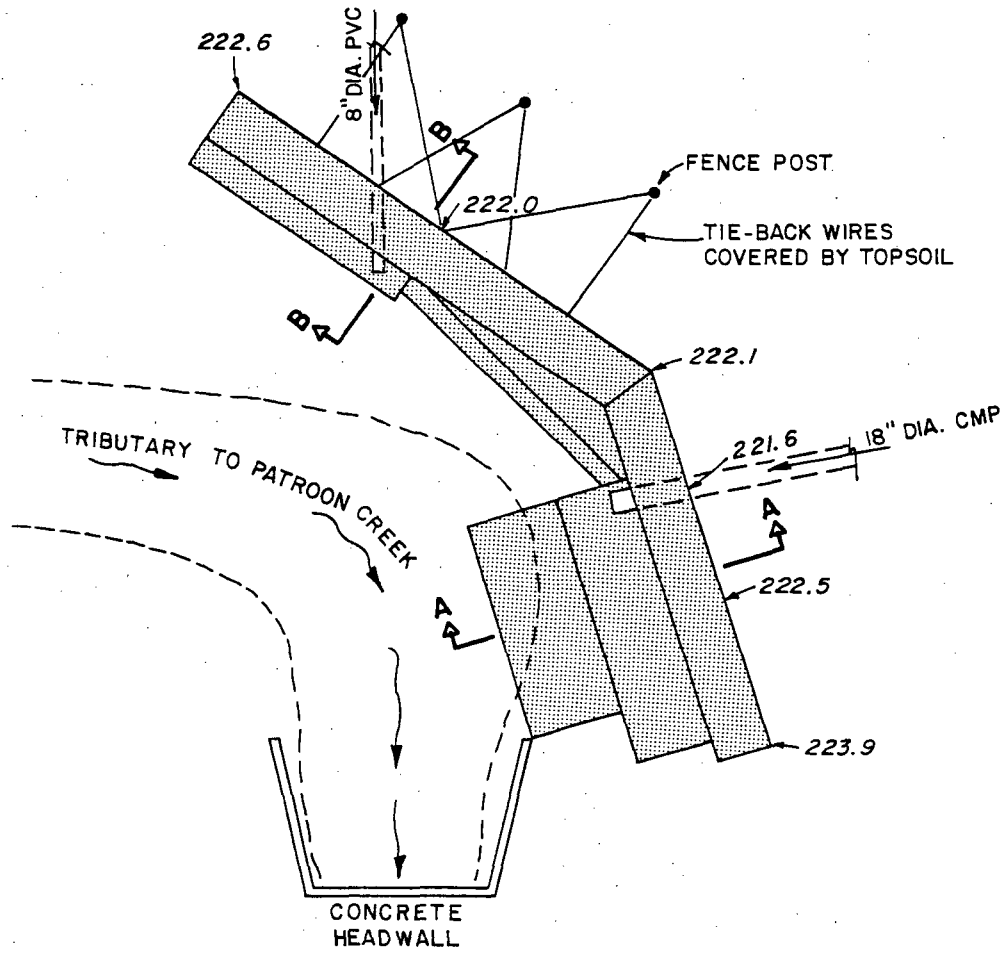
Construction of the gabion wall commenced on October 7, 1985 and continued for three days. Figure 7 provides the details of the as-constructed gabions. The gabions were extended on each end to tie into the existing banks. As well, an additional mat was installed at creek level to prevent scouring beneath the wall. Concrete pieces were placed at the upstream end to prevent scouring behind the wall.

The gabion wall was tied back into the bank as illustrated on Figure 7, for added structural support. The wire tie-backs were placed on top of the clay and secured to the supporting fence posts. The wire and posts were then covered with topsoil.

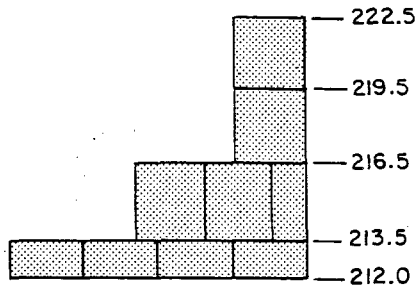
The existing 18-inch diameter corrugated metal pipe (CMP) storm sewer as well as the new 8-inch diameter polyvinyl chloride (PVC) storm sewer extended through the gabion wall.

4.3 STORM SEWER

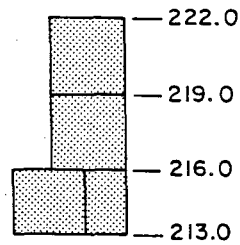
There were originally two separate storm sewer systems traversing the Site. The system which flows



PLAN
1" = 1'-0"



SECTION A-A
N. T. S.



SECTION B-B
N. T. S.

figure 7

GABION WALL DETAIL
Mercury Refining Co. Inc.

along the eastern and southern side of the Site (18-inch diameter CMP) was not affected by the remedial program. Although a 20-foot extension of this pipe at the outfall was specified to be added, the final position of the gabion wall eliminated the need for this extension. As a result, the CMP sewer system was not modified in any way for the remedial program.

The on-site sewer system which originally discharged at the buried headwall east of the office trailer was abandoned in place as specified. When excavating the buried headwall, it was noted that three sewer lines discharged there. Besides the known sewer line heading north to the existing catchbasin, one sewer line headed northwest towards the trailer and the other headed northeast towards the furnace building (see Figure 2). These sewer lines were cleaned and then filled with cement grout which was pumped into place. The cleaning of the existing catchbasins involved removal of all of the sediment from their sumps. Concrete was used to fill in all of the existing catchbasins except CB4 at the north end of the site which was reused. CB4 was cleaned out and deemed to be acceptable to the NYSDEC Site representative. A copy of the NYSDEC's approval letter for reuse of CB4 is presented in Appendix F. All of the existing on-site sewer lines were also cleaned and pumped full of cement grout as specified.

Construction of the new storm sewer system to replace the abandoned system was started on September 23, 1985. The sewer was installed as detailed on enclosed Plan AB-1. The sewer system was completed on October 21, 1985.

During backfilling of the storm sewer trench, density tests were performed on the compacted backfill. Backfill from all segments of the alignment (MH to CB3, CB3 to CB2, CB4 to CB1, and CB2 to CB1) did not meet compaction requirements. As a result, these sections had to be excavated and recompactd. Sumps were added to the bottom of all of the new catchbasins and to the existing, reused catchbasin.

Restoration of all concrete surfaces impacted by the storm sewer construction began on October 16, 1985 and was completed by October 29, 1985. A minimum of 4 inches of 1-inch stone was placed and compacted as a base for the concrete restoration. Appendix G presents all of the concrete testing results.

4.4 REINFORCED CONCRETE COVER

Placement of the reinforced concrete cover in the excavation area began on October 23, 1985. Plan AB-1 indicates the limits of the installed concrete cover. Construction was completed by November 12, 1985.

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A major revision in the proposed concrete cover involved the installation of a curbed area. This curbed area was constructed for potential future use as an enclosed drum storage area. The limits of this curbed concrete cover are also shown on the enclosed Plan AB-1.

Another minor revision was required along the property line between Mercury Refining and the D.J. Property to the east. The concern here involved possible surface water drainage from Mercury Refining onto D.J.'s Property. To alleviate this concern, the concrete cover was extended beyond the eastern property fenceline to the existing pavement on D.J.'s Property. When pouring this portion of the concrete cover, a swale was constructed immediately west of the property line (see Figure 6) to handle surface water drainage from Mercury Refining's property. In this area, sonotubes were installed along the property line to facilitate the future installation of a fence between Mercury Refining and D.J.'s Properties.

4.5 CLAY CAP

Placement of the clay cap began on October 14, 1985, immediately following completion of the excavation and backfilling operations. Blue clay was obtained from the

Finushi Pit and was placed as a clay cap as specified in the Contract Documents. This portion of the work proceeded until October 17, 1985. Prior to use of this clay source, samples were collected at three pits and tested for permeability. The Finushi Pit material was deemed to be suitable from this testing program.

Three shelly tube samples were collected from the in-place cap at random locations. One was disturbed during visual inspection and the second did not penetrate the clay cap to a significant depth. The remaining sample was tested for permeability. In addition, six density tests were performed on compacted clay during placement of the cap. The testing locations were jointly determined by NYSDEC and CRA representatives and are shown on Figure 6. Table 2 summarizes the permeability results of the tested clay samples from the pit and from the shelly tube sample. Detailed density and permeability results on the clay are presented in Appendix H.

Following placement of the clay cap, topsoil was placed over the clay. This 6-inch layer of topsoil is intended to provide surface protection of the clay cap area.

Due to the unfavorable weather conditions following topsoil placement, final grading and seeding of the topsoil will not take place until the spring of 1986. The owner will be

*will
be
done*

LABORATORY TESTING OF CLAY SAMPLES

<u>Sample No.</u>	<u>Source Location</u>	<u>Soil Description</u>	<u>Maximum Dry Density (pcf)</u>	<u>Optimum Water Content (%)</u>	<u>Constant Head (cm/s)</u>	<u>Triaxial (cm/s)</u>
1	Bonded Concrete Limited Colonie, N.Y. Plant	brown CLAY and SILT, some sand, little gravel	123.2	11.8	6.86×10^{-9}	5.91×10^{-9}
2.	Finushi Pit Waterford, N.Y.	gray CLAY, little silt	111.4	18.3	1.17×10^{-8}	1.14×10^{-8}
3.	West Sand Lake, Troy Sand and Gravel (gravel washings)	brown SILT, little sand and clay, trace gravel	122.0	11.0	8.47×10^{-7}	8.63×10^{-7}
4.	Sta. 2+33 o/s 5'S (shelby tube sample)	gray SILT and CLAY some gravel, trace organic			1.42×10^{-8}	1.36×10^{-8}

Based on the above testing, material from either Bonded Concrete or Finushi were deemed acceptable clay sources for this program. The clay from Finushi was used for the Site's clay cover.

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responsible for this portion of the work including the placement of an additional 15 cubic yards of topsoil.

Final cover elevations are illustrated on Figure 6. This includes both the clay/topsoil and concrete areas.

5.0 WELL INSTALLATIONS

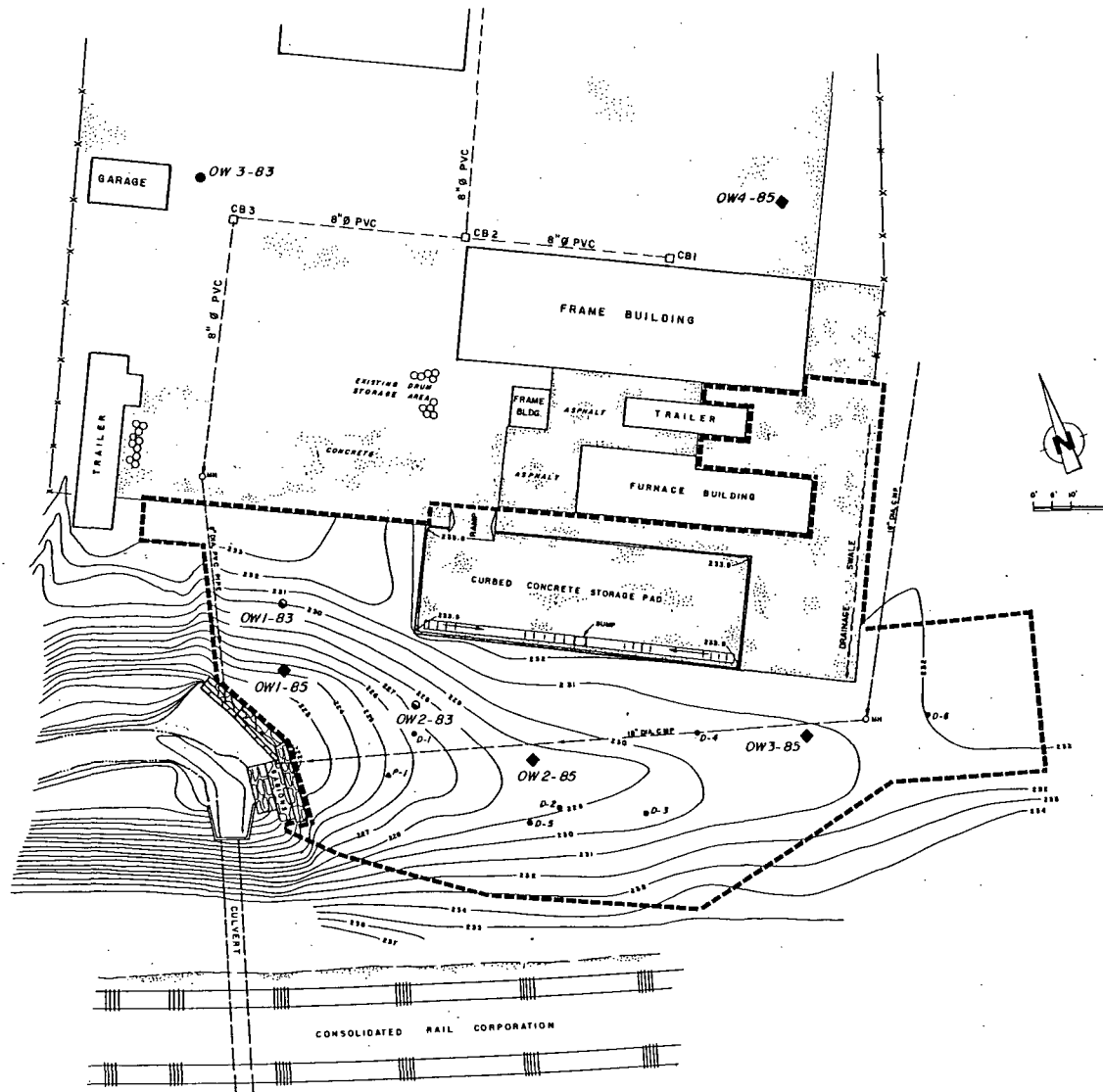
*How often will
Samples be taken
and by whom?*

An additional portion of the approved remedial plan, which was not part of the contract with Severson Containment Corporation, was the installation of four new monitoring wells. This work was contracted separately to Empire Soils Investigations Inc. The wells were installed during the period from October 25 to 29, 1985 at the locations shown on Figure 8.

State will

The 8-inch diameter boreholes were drilled 10 feet into saturated soil using a hollow stem auger with continuous split spoon sampling. PVC well screens five feet in length and two inches in diameter (#10 slot) were installed. The PVC schedule 80 well pipe was also two inches in diameter with coupled joints. The borehole was backfilled with #4 quartzite sand around the well screen, a 1-foot bentonite pellet plug above the well screen and cement grout to the ground surface. A lockable cap and lock was installed for security.

Appendix I contains the stratigraphic and instrumentation logs for all four new well installations.



LEGEND

- 230 — FINAL GROUND CONTOURS
- - - - - AREA OF CLAY/CONCRETE CAP
- ▲ P-1 — CLAY PERMEABILITY TEST LOCATION
- D-1 — CLAY DENSITY TEST LOCATION
- — EXIST. MONITORING WELL
- — MONITORING WELL REMOVED
- ◆ — MONITORING WELL INSTALLED

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figure 8
MONITORING WELL LOCATIONS
Mercury Refining Co. Inc.

6.0 HEALTH AND SAFETY PROGRAM

Health and safety protocols were implemented during all remedial activities. For the waste excavation and removal activities the Site was separated into two areas; dirty and clean. The dirty area consisted of the entire excavation area while all other areas were designated clean. Temporary fences were used to define the limits of these areas. Personnel leaving the dirty area had to exit through a contaminant reduction zone.

The Safety Officer was provided by the contractor for the entire period. His responsibilities were to ensure that all on-site personnel within the dirty area followed the health and safety program as specified in the contract documents.

All personnel engaged in excavation activities were provided with and required to use at all times, the following equipment:

- hard hat
- safety glasses with side shields
- neoprene gloves
- neoprene boots
- safety shoes
- Tyvek coveralls (disposed daily)

- respiratory protection providing protection for mercury vapors and respirable dust

Air monitoring was conducted regularly throughout the program. Both mercury and organic vapor concentrations were monitored and recorded during all waste excavation and removal operations. Appendix J summarizes the mercury and organic vapor concentrations measured during the air monitoring program.

During the waste excavation and removal program respiratory protection was required for all on-site personnel within the dirty area.

The contract documents also specified medical surveillance of all personnel working in dirty areas. This surveillance required that both entrance and exit medical examinations be performed on each applicable worker. Appendix K includes documentation of all such examinations.

7.0 NYSDEC SITE REPRESENTATIVES

The New York State Department of Environmental Conservation was also involved in this waste removal and cleanup project. There was a representative of this agency on-site throughout most of the project. Mr. James Ludlum was present on-site from September 16, 1985 through October 4, 1985 and Mr. Bob Senior was the site representative from October 9, 1985 through October 21, 1985. Periodic visits by representatives of the agency were also made throughout the program.

8.0 ADDITIONAL NOTES

8.1 BATTERY CELLS UNDER FURNACE BUILDING

During the excavation program, battery cells were found beneath the floor slab of the western portion of the furnace building. Removal of these cells would have undermined the furnace building floor slab and possibly created structural problems. As a result, those batteries that were not readily accessible were left in place.

In order to contain the battery cells under the furnace building, a plastic sheet was placed along the face of the waste excavation and along the side of the building. This plastic sheet was left in place during the backfilling of the excavation to maintain a separation between the two areas. The NYSDEC representative, James Ludlum, inspected this area and approved of the chosen containment program.

8.2 HURRICANE GLORIA

On September 27, 1985 the effects of Hurricane Gloria were felt in the Albany area. Heavy rains fell on-site and actions needed to be taken to prevent

migration of contaminated waste and soil off-site. These actions included the following:

- i) pumping of the water from the existing on-site storm sewers around the excavation to prevent surface runoff into the excavation,
- ii) construction of an earthen dam upgradient of the excavation areas to prevent surface runoff into the excavation,
- iii) construction of earthen dams on-site to eliminate surface water runoff from the site, and
- iv) covering of the stockpiled contaminated waste soils with plastic to prevent infiltration.

As a result of the above actions, the effects of Hurricane Gloria were minimized.

8.3 UNKNOWN SEWER LINE

Following the excavation program, water was noted to be bubbling to the surface near the on-site manhole of the 18-inch diameter CMP sewer. A small excavation was

opened in the area to identify the source of the water. At a depth of approximately five feet, (previously unexcavated beyond + 1 foot by the soil removal program) a clay tile, approximately eight inches in diameter, was uncovered. This sewer line was heading southwest in the direction of D.J.'s Property. After some investigation, the sewer line was determined to be not in use by D.J.'s and was therefore plugged with concrete on October 7, 1985 and backfilled with the excavated material.

There was one incident that occurred on the weekend of October 5, 1985, while the sewer line was uncovered. During that weekend, heavy rains fell. The crew that had uncovered the sewer line, inadvertently perforated the adjacent 18-inch diameter sewer line. Unbeknownst to the investigation crew, this perforation created a slight flow restriction in the sewer line. When the heavy rain occurred, the reduced flow capacity resulted in a portion of the flow being diverted out of the pipe and some surface flow along the drainage swale to the creek resulted. When work crews returned on Monday, October 7, 1985, it was noted that some erosion of soil along the surface flow path had also occurred. Since all of the waste materials had already been removed from the site, none of the contaminated wastes were included in the eroded material. The area was regraded, the crease in the sewer line was reshaped and a metal collar was placed around the CMP sewer to mend the perforation.

8.4 WASTE DENSITY

Prior to the start of the remedial construction at the Mercury Refining Site, Empire Soil Investigations Inc. conducted some in-place density testing of the waste materials. The purpose of this testing was to provide information to be used in estimating the total tonnage of waste material to be removed from the site. The results of the testing program indicated an in-place waste density ranging from 107 to 138 pounds per cubic foot (see Appendix L). During the excavation operation, it became apparent that a large percentage of the covered wastes were large, bulky and considerably less dense than the surface materials originally tested. As a result, the average density of the excavated wastes was measured to be on the order of 84 pounds per cubic foot and the preliminary estimates of waste density proved to be high.

9.0 SUMMARY

A total of 2,160 cubic yards of contaminated soil and debris was excavated from the Site between September 16 and September 30, 1985. The excavation area was regraded and backfilled to the designed grades with imported fill and capped with either clay or concrete between September 28 and November 12, 1985. Figure 9 presents a chronological summary of the entire remedial program for the Site.

All of the excavated material was transported by licensed waste hauling units to SCA Chemical Services' permitted disposal facility in Model City, New York. The transport and disposal of the PCB waste was documented by State of New York Hazardous Waste Manifests.

A new storm sewer was installed between September 23 and October 21, 1985. A gabion wall was constructed from September 7-9, 1985 to stabilize the Site soils. These were both installed as part of the remedial program to preserve the integrity of the remediated Site.

Photographs of various aspects of the project are included in Appendix M.

The program was carried out under a stringent health and safety program in order to provide a safe and

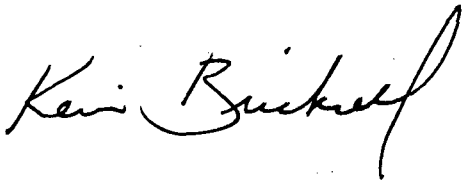
minimal risk working environment and to prevent off-site migration of contaminated materials.

All of the activities of the remedial program were completed in accordance with the specifications of Appendix B of the Order on Consent and sound environmental practices.

All of which is respectfully submitted,
CONESTOGA-ROVERS & ASSOCIATES LIMITED



James K. Kay, P. Eng.



Kevin T. Bricknell, P. Eng.

C. Richard Hoekstra, B.A.Sc.

APPENDIX A

LETTER APPROVING SHIPMENT OF
MERCURY WASTE WITHOUT MANIFESTS

James N. Ludlum, P.E.

11/25/83

Sanitary Engineer

Bureau of Remedial Action

Division of Solid and Hazardous Waste

1111

Re: Mercury Refining Co -- shipment of mercury contaminated soil

Dear James N. Ludlum, P.E.

The purpose of this letter is to confirm our conversation of this morning relating to the shipment of mercury contaminated soil from the Mercury Refining site. The material has been tested for EP toxicity and shown not to be a ~~hazardous~~ characteristic hazardous waste. ~~Accordingly,~~ However, the material will be shipped by a licensed hazardous waste hauler ~~and~~ to SCW facility in Model City, New York and disposed in the heavy metal cell. ~~The material.~~ Because the material test to be non-hazardous waste, the material will be shipped with a Bill of Lading as a non-hazardous waste -- not with a hazardous waste manifest.

301955

If the foregoing accurately confirms our understanding, please sign on the line below.

Sincerely,

Kenn M. Young

Based on my conversations with Edward Belmont and John Janowski of NYS OEC, the material can be shipped with or without a hazardous waste manifest.

James N. Ludlam
James N. Ludlam, P.E.

APPENDIX B

WASTE DISPOSAL AND SHIPPING SUMMARY

PCBs

PCB CONTAMINATED SOILS

<u>Truck Load No.</u>	<u>Weight (lbs)</u>	<u>State Manifest Document</u>
100909	36,000	253272-6
100910	33,300	253267-2
100911	36,440	253266-3
100912	33,140	253264-5
100913	33,860	253265-4
100914	31,940	253268-1
100915	34,140	253270-8
100916	34,380	253271-7
100917	29,520	253273-5
100918	31,240	253277-1
100919	31,640	253278-9
100920	31,420	253279-8
100921	38,520	253280-7
100922	36,620	253281-6
100923	38,020	253282-5
100924	42,900	253283-4
100925	38,560	253284-3
100926	37,900	253285-2
100927	40,040	253286-1
100928	42,280	253287-9
100929	36,380	253288-8
100930	39,500	253289-7
100931	38,040	253290-6

825,040 lbs.
412.89 tons

APPENDIX C

PCB WASTE MANIFESTS

301959



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301960

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD048148175	Manifest Document No. 00008	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		5. State Facility ID NYA 2532726	
5. Transporter 1 (Company Name) Coastal Well Service		6. US EPA ID Number PA 0980714869		7. State Transporter ID PA 1073674	
7. Transporter 2 (Company Name)		8. US EPA ID Number		8. State Transporter's ID	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NYD049836679		9. State Facility ID 716-754-3231	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		12. Containers No. Type 0 0 1 D I	13. Total Quantity 20	14. Unit Wt/Vol cy	15. Waste No. B007
J. Additional Descriptions for Materials listed Above a. PCB Soil		K. Handling Codes for Wastes Listed Above L			
15. Special Handling Instructions and Additional Information SCA Code 3331-D Material also RCRA hazardous for Mercury D009 SCA W.O.# 100909					
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 governmental regulations and state laws and regulations.					DATE
Printed/Typed Name ARK LAGUY		Signature <i>Ark Laguy</i>		Mo. Day Year 09/11/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name DAVID J. Millson		Signature <i>David J. Millson</i>		Mo. Day Year 09/11/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					DATE
Printed/Typed Name		Signature		Mo. Day Year	



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

301962

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Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5 1 0 1 0 6 3	Manifest Document No. 101063	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		5. US EPA ID Number NY D 0 4 8 1 4 8 1 7 5 1 0 1 0 6 3	
5. Transporter 1 (Company Name) TONAWANDA TANK TRANSPORT SERVICE		6. US EPA ID Number NY D 0 9 7 6 4 4 8 0 1		7. Transporter 1 (Company Name) TONAWANDA TANK TRANSPORT SERVICE	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		12. Containers No. 0 0 1 D T	Type D T	13. Total Quantity 20	14. Unit cy
J. Additional Descriptions for Materials Listed Above a. PCB Soil		K. Handling Codes for Wastes Listed Above		15. Special Handling Instructions and Additional Information SCA Code 3331-D Material also RCRA hazardous for Mercury D009 SCA W.O.# 100911	
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 governmental regulations and state laws and regulations.		Printed/Typed Name RICK LAGAY		Signature <i>Rick Lagay</i>	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name Douglas A. Gero		Signature <i>Douglas A. Gero</i>	
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature	
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	
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	



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD048148175	Manifest Document No. 010102	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205			4. Generator's Phone (518) 489-7363		
5. Transporter 1 (Company Name) Coastal Well Service		6. US EPA ID Number PA D980714869		7. State Transporter's ID PA T88797	
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. State Transporter's ID	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107			10. US EPA ID Number NYD049836679		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-R UN2315			0 0 1 D I T	20	cy
b.					
c.					
d.					
J. Additional Descriptions for Materials listed Above			K. Handling Codes for Wastes Listed Above		
a. PCB Soil			<input checked="" type="checkbox"/> L		
b.			<input type="checkbox"/>		
15. Special Handling Instructions and Additional Information SCA Code <u>3331-D</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100913</u>					
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 governmental regulations and state laws and regulations.					DATE
Printed/Typed Name Rick LaGoy		Signature <i>Rick LaGoy</i>		Mo. Day Year 09/16/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name Mike Onisko		Signature <i>Mike Onisko</i>		Mo. Day Year 09/16/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space Rec'd - 33860 lbs					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					DATE
Printed/Typed Name M. Thompson		Signature <i>M. Thompson</i>		Mo. Day Year 09/17/85	

GENERATOR

TRANSPORTER

FACILITY

Form 8700-22 (3-84)

COPY 2 - Generator State, mailed by TSD facility



HAZARDOUS WASTE MANIFEST

301965

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

Form Approved OMB No. 2000-0404 Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. **NY D 0 4 8 1 4 8 1 7 5**
Manifest Document No. **0101005**

2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
**Mercury Refining, Inc., 14 Commercial Road
Albany, NY 12205**

Generator's Phone **518 258-2681**

4. Generator's Phone **(518) 489-7363**

5. Transporter 1 (Company Name) **Coastal Well Service**
6. US EPA ID Number **P 9 0 9 8 0 7 1 4 8 6 9**

State Transporter ID **NY 148023**
Transporter's Phone **518 489-1054**

7. Transporter 2 (Company Name)

State Transporter ID

9. Designated Facility Name and Site Address
**SCA Chemical Services
1135 Balmer Road
Model City, NY 14107**

10. US EPA ID Number **NY D 0 4 9 8 3 6 6 7 9**
Facility's Phone **516 754-3111**

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

12. Containers
13. Total Quantity
14. Unit

**Waste Polychlorinated Biphenyls, mixture
(soil contaminated with PCB) ORM-E UN2315**

No. **0 0 1 0 1**
Type **D**
Quantity **20**
Unit **Cy**

a.

Waste No. **3007**

b.

c.

d.

J. Additional Descriptions for Materials listed Above
a. PCB Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
SCA Code 3331-D Material also RCRA hazardous for Mercury D009
SCA W.O.# 100914

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 governmental regulations and state laws and regulations.

Printed/Typed Name **RICK LAGAY** Signature *[Signature]* DATE **09/16/85**

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name **VICTOR SLAGIE** Signature *[Signature]* DATE **9/16/85**

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name _____ Signature _____ DATE _____

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 _____ DATE _____



HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. N Y D 0 4 8 1 1 4 8 1 7 5		Manifest Document No. 0 1 0 0 1 0		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.			
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205						State Transporter's ID No. 253270 State Transporter's Phone 518-489-7363 State Facility's ID No. 0000000000 State Facility's Phone 518-489-7363					
4. Generator's Phone (518) 489-7363											
5. Transporter 1 (Company Name) Coastal well service			6. US EPA ID Number PA0950714869			State Transporter's ID No. 117658687					
7. Transporter 2 (Company Name)			8. US EPA ID Number			State Transporter's ID No. 1544867054					
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107						10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-X UN2315						12. Containers No. Type 0 1 I D I T		13. Total Quantity 20 cy		14. Unit cy	
J. Additional Descriptions for Materials listed Above a. PCB Soil						K. Handling Codes for Wastes Listed Above L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information SCA Code <u>3331-D</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>L00915</u>											
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 governmental regulations and state laws and regulations.						DATE					
Printed/Typed Name Rick LAGoy			Signature <i>Rick LAGoy</i>			Mo. Day Year 0 9 1 6 8 5					
17. Transporter 1 (Acknowledgement of Receipt of Materials)						DATE					
Printed/Typed Name William Johnson			Signature <i>William Johnson</i>			Mo. Day Year 0 9 1 6 8 5					
18. Transporter 2 (Acknowledgement or Receipt of Materials)						DATE					
Printed/Typed Name			Signature			Mo. Day Year					
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						DATE					
Printed/Typed Name			Signature			Mo. Day Year					

In case of emergency or spill immediately call the national response center at 1-800-424-9300



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

301967

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. N Y D 0 4 8 1 4 8 1 7 5		Manifest Document No. 0010017		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.					
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205						[Shaded Area]							
4. Generator's Phone (518) 489-7363													
5. Transporter 1 (Company Name) Coastal Well Service				6. US EPA ID Number PA 0980714869		7. State Transporter's ID		8. Transporter's Phone					
7. Transporter 2 (Company Name)						8. US EPA ID Number		9. State Transporter's ID					
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Modal City, NY 14107						10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9		11. State Facility's ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315 b. c. d.						12. Containers		13. Total Quantity		14. Unit			
						No.		Type		Quantity		Unit	
						0		DIT		20		CY	
J. Additional Descriptions for Materials listed Above a. PCB Soil						K. Handling Codes for Wastes Listed Above L. <input type="checkbox"/> M. <input type="checkbox"/> N. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information SCA Code <u>3331-D</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100916</u>													
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 governmental regulations and state laws and regulations.						DATE							
Printed/Typed Name Rick LAGoy				Signature <i>Rick LAGoy</i>		Mo. Day Year 09/16/85							
17. Transporter 1 (Acknowledgement of Receipt of Materials)						DATE							
Printed/Typed Name Joseph E James				Signature <i>Joseph E James</i>		Mo. Day Year 09/16/85							
18. Transporter 2 (Acknowledgement or Receipt of Materials)						DATE							
Printed/Typed Name				Signature		Mo. Day Year							
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						DATE							
Printed/Typed Name				Signature		Mo. Day Year							



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301968

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Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5	Manifest Document No. 61061019	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205			B. Generator's ID NYA 258278 5		
4. Generator's Phone (518) 489-7363			C. State Transporter ID 116728		
5. Transporter 1 (Company Name) Buffalo Fuel		6. US EPA ID Number NY 40051809952		D. Transporter's Phone 716 221 1011	
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		F. State Facility's ID 716 754 2251	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		No. 0 0 1 Type D T	20	cy	2007
b.					
c.					
d.					
J. Additional Descriptions for Materials listed Above a. PCB Soil			K. Handling Codes for Wastes Listed Above <input checked="" type="checkbox"/> L		
b.			<input type="checkbox"/>		
15. Special Handling instructions and Additional Information SCA Code <u>3331D</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100917</u>					
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 governmental regulations and state laws and regulations.					DATE
Printed/Typed Name Rick Lagay		Signature <i>Rick Lagay</i>		Mo. Day Year 09 11 85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					DATE
Printed/Typed Name Don A Johnson		Signature <i>Don A Johnson</i>		Mo. Day Year 09 11 85	
18. Transporter 2 (Acknowledgement of Receipt of Materials)					DATE
Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					DATE
Printed/Typed Name		Signature		Mo. Day Year	

GENERATOR

TRANSPORTER

FACILITY



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

301969

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5		Manifest Document No. 0010110		2. Page 1 of 1		Information in the shaded areas is not required by Federal Law.			
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205						[Shaded Area]					
4. Generator's Phone (518) 489-7363											
5. Transporter 1 (Company Name) Buffab Fuel Corp.				6. US EPA ID Number NY D 0 5 1 8 0 9 9 5 2		7. State Transporter ID 064973		8. Transporter's Phone 518-75791			
7. Transporter 2 (Company Name)				8. US EPA ID Number		9. State Transporter ID		10. Transporter's Phone			
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107						10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315						12. Containers No. Type		13. Total Quantity		14. Unit (Lit./Vol)	
						0 0 1 D T		20		CY	
b.											
c.											
d.											
13. Additional Descriptions for Materials Listed Above a. PCB Soil						14. Handling Codes for Wastes Listed Above <input checked="" type="checkbox"/> L <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z					
b.											
15. Special Handling Instructions and Additional Information SCA Code 33310 Material also RCRA hazardous for Mercury D009 SCA W.O.# 100918											
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 governmental regulations and state laws and regulations.											
Printed/Typed Name RICK LAGAY				Signature <i>Rick Lagay</i>				DATE 09/16/85			
17. Transporter 1 (Acknowledgement of Receipt of Materials)											
Printed/Typed Name William T. Huck				Signature <i>William T. Huck</i>				DATE 19/11/85			
18. Transporter 2 (Acknowledgement of Receipt of Materials)											
Printed/Typed Name				Signature				DATE			
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				DATE			



56K

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301970

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5 0 1 0 1 1	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		NY 253278 9	
5. Transporter 1 (Company Name) Hause Trucking		6. US EPA ID Number NY 0000230263		State Transporter ID NY 253278 9	
7. Transporter 2 (Company Name)		8. US EPA ID Number		State Transporter ID NY 253278 9	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		State Facility ID NY 253278 9	
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		12. Containers No. Type 0 1 0 1 1 DIT	13. Total Quantity 20 CY	14. Unit Wt/Vol CY
	b.				
	c.				
	d.				
	J. Additional Descriptions for Materials listed Above a. PCB Soil		K. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information SCA Code <u>33310</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100919</u>					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name Rick LAGoy		Signature <i>Rick LAGoy</i>		DATE 09/17/85	
TRANSPORTER	17. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature <i>John M. House</i>		DATE 09/17/85
	18. Transporter 2 (Acknowledgement or Receipt of Materials)		Signature <i>Gay Coolidge</i>		DATE
19. Discrepancy Indication Space Actual Recd - 31,640 lbs					
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				DATE
	Printed/Typed Name M. Thomson		Signature <i>M. Thomson</i>		DATE 09/17/85

301971

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. N Y D 0 4 8 1 4 8 1 7 5 0 0 0 1 2	Manifest Document No. 0100112	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		Generator's Name State Transporter ID No. 105-20437 EPA State Transporter ID No. 18-271-271	
5. Transporter 1 (Company Name) House Trucking		6. US EPA ID Number N Y 0 0 0 2 3 7 2 6 3		State Transporter ID No. 105-20437 EPA State Transporter ID No. 18-271-271	
7. Transporter 2 (Company Name)		8. US EPA ID Number		EPA State Transporter ID No. EPA State Transporter Phone	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9		Facility's Name Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit	15. Year
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		0, 0, 1	20	cy	2007
b.					
c.					
d.					
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.		M			
15. Special Handling Instructions and Additional Information SCA Code <u>33310</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100920</u>					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name Rick Lagay		Signature <i>Rick Lagay</i>		DATE 09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature <i>Joseph Hausen</i>		DATE 09/17/85	
Printed/Typed Name DOW R Fuller		Signature <i>Dow R Fuller</i>		DATE 7/18/85	
18. Transporter 2 (Acknowledgement of Receipt of Materials)					
19. Discrepancy Indication Space Actual Recd - 31420					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name M. Thompson		Signature <i>M. Thompson</i>		DATE 09/18/85	

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5 0 1 0 2 1 1 3	Manifest Document No. 0102113	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		5. State Transporter ID No. 259280 75	
5. Transporter 1 (Company Name) Hauser Trucking		6. US EPA ID Number NY 000 0237263		7. State Transporter Phone 518 271-7711	
7. Transporter 2 (Company Name)		8. US EPA ID Number		8. State Transporter ID	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		9. State Facility ID No.	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		No. 0 0 1	Type D T	20 CY	5007
b.					
c.					
d.					
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.					
15. Special Handling Instructions and Additional Information SCA Code 33310 Material also RCRA hazardous for Mercury D009 SCA W.O.# 1009 21					
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 governmental regulations and state laws and regulations.					DATE
Printed/Typed Name Rick Lahey		Signature <i>Rick Lahey</i>		Mo. Day Year 09 11 85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name PAUL HAUSER		Signature <i>Paul Hauser</i>		Mo. Day Year 9 11 85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature <i>James M...</i>		Mo. Day Year 09 18 85	
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.					DATE
Printed/Typed Name		Signature		Mo. Day Year	



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301973

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 1 4 8 1 7 5 0 0 0 1 4	Manifest Document No. 00014	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		3328	
5. Transporter 1 (Company Name) Buffalo Fuel Corp		6. US EPA ID Number NY D 0 5 1 8 0 9 9 5 2			
7. Transporter 2 (Company Name)		8. US EPA ID Number		8. State Transporter Phone	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		10. Facility Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit	15. Other
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		0101	20	cy	
b.					
c.					
d.					
13. Additional Descriptions for Materials listed Above		14. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.					
15. Special Handling Instructions and Additional Information					
SCA Code 33210 Material also RCRA hazardous for Mercury D009					
SCA W.O.# 10092					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name		Signature		DATE	
Rick LaBoy		<i>Rick LaBoy</i>		09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)		Signature		DATE	
Printed/Typed Name		Signature		DATE	
Timothy J. Haley		<i>Timothy J. Haley</i>		09/18/85	
18. Transporter 2 (Acknowledgement of Receipt of Materials)		Signature		DATE	
Printed/Typed Name		Signature		DATE	
19. Discrepancy Indication Space					
Recd - 36620 16					
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		DATE	
		<i>M. Thong</i>		09/18/85	

In case of emergency or spill immediately call the National Response Center (800) 424-9302 and the local Department of Environmental Conservation (518) 489-7363.



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301974

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Form Approved OMB No. 2000-0404, Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD04811481175	Manifest Document No. 00015	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		253282-5	
5. Transporter 1 (Company Name) Buffalo Fuel Corp		6. US EPA ID Number NYD051809952			
7. Transporter 2 (Company Name)		8. US EPA ID Number		9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		12. Containers No. Type 0101 DIT		13. Total Quantity 20 CY	
14. Unit CY		15. Special Handling Instructions and Additional Information SCA Code 33310 Material also RCRA hazardous for Mercury D009 SCA W.O.# 100923		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 governmental regulations and state laws and regulations.	
17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name: RICK LAGAY Signature: <i>Rick Lagay</i>		18. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name: CHRIST WILLIAMS Signature: <i>Christ Williams</i>		DATE 09/11/85	
19. Discrepancy Indication Space Rec'd - 38020 lbs		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19		DATE	
Printed/Typed Name		Signature		Mo. Day Year	

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301975

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

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD0481481750	Manifest Document No. 000116	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		State Transporter ID Transporter's Phone State Transporter ID Transporter's Phone State Facility ID Facility's Phone	
5. Transporter 1 (Company Name) BUFFALO FUEL CORP		6. US EPA ID Number NYD0051809952			
7. Transporter 2 (Company Name)		8. US EPA ID Number		State Facility ID Facility's Phone	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NYD0498136679			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity	14. Unit
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		No. Type 0 0 1 DIT		20	cy
b.					
c.					
d.					
15. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.					
15. Special Handling Instructions and Additional Information					
SCA Code <u>33310</u> Material also RCRA hazardous for Mercury D009					
SCA W.O.# <u>100924</u>					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name BKLAGOY				Signature <i>Buck Lago</i>	
17. Transporter 1 (Acknowledgement of Receipt of Materials)				DATE 09/17/85	
Printed/Typed Name JOHN GIESELER				Signature <i>John Gieseler</i>	
18. Transporter 2 (Acknowledgement or Receipt of Materials)				DATE 09/18/85	
Printed/Typed Name				Signature	
19. Discrepancy Indication Space Recd - 42900 lbs					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				DATE	
Printed/Typed Name				Signature <i>M. J. King</i>	
				Mo. Day Year 09/18/85	

HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5 6 0 0 1 7	Manifest Document No. 60017	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205			4. Generator's Phone (518) 489-7363		NY 253284-3	
5. Transporter 1 (Company Name) BUFFALO FUEL CORP			6. US EPA ID Number NY D 0 5 1 8 0 9 9 5 2		C. State Transporter ID 253284-3	
7. Transporter 2 (Company Name)			8. US EPA ID Number		D. Transporter's Phone 516 773 8111	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107			10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		E. State Facility ID 253284-3	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers	13. Total	14. Unit	
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315			No. 0 0 1	Quantity 20	WT/Val cy	
b.			Type D T			
c.						
d.						
J. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above			
a. PCB Soil			L. <input checked="" type="checkbox"/> 1			
b.			M. <input type="checkbox"/> 2			
15. Special Handling Instructions and Additional Information			N. <input type="checkbox"/> 3			
SCA Code 33310			Material also RCRA hazardous for Mercury D009			
SCA W.O.# 100925						
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 governmental regulations and state laws and regulations.						DATE
Printed/Typed Name Rick LAGoy			Signature <i>Rick LAGoy</i>		Mo. Day Year 09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)						DATE
Printed/Typed Name R. Gilbert			Signature <i>R. Gilbert</i>		Mo. Day Year 9/17/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)						DATE
Printed/Typed Name			Signature		Mo. Day Year	
19. Discrepancy Indication Space Recd - 38560 lbs						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						DATE
Printed/Typed Name			Signature <i>M. Thony</i>		Mo. Day Year 09/18/85	



DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301977

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Form Approved OMB No. 2000-0404 Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 04 814 817 5	Manifest Document No. 000218	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		State Transporter's ID No. NY 84936 State Transporter's ID Exp. Date 7-2-92 State Facility's ID No. NY 316-254-231 State Facility's ID Exp. Date 7-2-92	
5. Transporter 1 (Company Name) Buffalo Fuel Corp		6. US EPA ID Number WV 0051809952			
7. Transporter 2 (Company Name)		8. US EPA ID Number			
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 04 983 667 9			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit	
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		No. Type 0 0 1 D T	20	91	2007
b.					
c.					
d.					
j. Additional Descriptions for Materials listed Above		k. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.					
15. Special Handling Instructions and Additional Information					
SCA Code <u>33318D</u> Material also RCRA hazardous for Mercury D009					
SCA W.O.# <u>100926</u>					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name RICK LAGOOY		Signature <i>Rick Lagooy</i>		DATE 09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name CLIFF HOLLAND		Signature <i>Cliff Holland</i>		DATE 9/17/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature		DATE	
19. Discrepancy Indication Space					
Rec'd 379.00/l					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name M. Thompson		Signature <i>M. Thompson</i>		DATE 09/18/85	

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the N.Y. Department of Transportation (518) 457-1362.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

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HAZARDOUS WASTE MANIFEST

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

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD048148175		Manifest Document No. 000119	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205					State Transporter ID NY35486		
4. Generator's Phone (518) 489-7363					Transporter's Phone 716-233-7921		
5. Transporter 1 (Company Name) Buffalo Fuel Corp		6. US EPA ID Number WYD051809952		State Facility ID NY 101			
7. Transporter 2 (Company Name)		8. US EPA ID Number		Facility's Phone 716-754-8731			
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107					10. US EPA ID Number NYD0498366719		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers No.	13. Total Quantity	14. Unit
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315					0	20	CY
b.					0	0	
c.							
d.							
J. Additional Descriptions for Materials listed Above a. PCB Soil					K. Handling Codes for Wastes Listed Above		
					<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z		
15. Special Handling Instructions and Additional Information SCA Code 33310 Material also RCRA hazardous for Mercury D009 SCA W.O.# 100927							
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 governmental regulations and state laws and regulations.							
Printed/Typed Name RICK LAGOY					Signature <i>Rick Lagoy</i>		DATE 09/17/85
17. Transporter 1 (Acknowledgement of Receipt of Materials)							
Printed/Typed Name John VETLANEK					Signature <i>John Vetlanek</i>		DATE 09/17/85
18. Transporter 2 (Acknowledgement or Receipt of Materials)							
Printed/Typed Name					Signature		DATE
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		DATE



301979

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

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Form Approved OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 8 1 7 5 0 0 1 0 2 0	Manifest Document No. 01020	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205			4. Generator's Phone (518) 489-7363		
5. Transporter 1 (Company Name) Hauser Trucking		6. US EPA ID Number WYD 00 02 37263		7. Transporter 2 (Company Name)	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Modal City, NY 14107			10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		
11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number) a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		12. Containers No. 0 0 1	Type DIT	13. Total Quantity 20	14. Unit CY
J. Additional Descriptions for Materials listed Above a. PCB Soil		K. Handling Codes for Wastes Listed Above A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> AA <input type="checkbox"/> AB <input type="checkbox"/> AC <input type="checkbox"/> AD <input type="checkbox"/> AE <input type="checkbox"/> AF <input type="checkbox"/> AG <input type="checkbox"/> AH <input type="checkbox"/> AI <input type="checkbox"/> AJ <input type="checkbox"/> AK <input type="checkbox"/> AL <input type="checkbox"/> AM <input type="checkbox"/> AN <input type="checkbox"/> AO <input type="checkbox"/> AP <input type="checkbox"/> AQ <input type="checkbox"/> AR <input type="checkbox"/> AS <input type="checkbox"/> AT <input type="checkbox"/> AU <input type="checkbox"/> AV <input type="checkbox"/> AW <input type="checkbox"/> AX <input type="checkbox"/> AY <input type="checkbox"/> AZ <input type="checkbox"/> BA <input type="checkbox"/> BB <input type="checkbox"/> BC <input type="checkbox"/> BD <input type="checkbox"/> BE <input type="checkbox"/> BF <input type="checkbox"/> BG <input type="checkbox"/> BH <input type="checkbox"/> BI <input type="checkbox"/> BJ <input type="checkbox"/> BK <input type="checkbox"/> BL <input type="checkbox"/> BM <input type="checkbox"/> BN <input type="checkbox"/> BO <input type="checkbox"/> BP <input type="checkbox"/> BQ <input type="checkbox"/> BR <input type="checkbox"/> BS <input type="checkbox"/> BT <input type="checkbox"/> BU <input type="checkbox"/> BV <input type="checkbox"/> BW <input type="checkbox"/> BX <input type="checkbox"/> BY <input type="checkbox"/> BZ <input type="checkbox"/> CA <input type="checkbox"/> CB <input type="checkbox"/> CC <input type="checkbox"/> CD <input type="checkbox"/> CE <input type="checkbox"/> CF <input type="checkbox"/> CG <input type="checkbox"/> CH <input type="checkbox"/> CI <input type="checkbox"/> CJ <input type="checkbox"/> CK <input type="checkbox"/> CL <input type="checkbox"/> CM <input type="checkbox"/> CN <input type="checkbox"/> CO <input type="checkbox"/> CP <input type="checkbox"/> CQ <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CT <input type="checkbox"/> CU <input type="checkbox"/> CV <input type="checkbox"/> CW <input type="checkbox"/> CX <input type="checkbox"/> CY <input type="checkbox"/> CZ <input type="checkbox"/> DA <input type="checkbox"/> DB <input type="checkbox"/> DC <input type="checkbox"/> DD <input type="checkbox"/> DE <input type="checkbox"/> DF <input type="checkbox"/> DG <input type="checkbox"/> DH <input type="checkbox"/> DI <input type="checkbox"/> DJ <input type="checkbox"/> DK <input type="checkbox"/> DL <input type="checkbox"/> DM <input type="checkbox"/> DN <input type="checkbox"/> DO <input type="checkbox"/> DP <input type="checkbox"/> DQ <input type="checkbox"/> DR <input type="checkbox"/> DS <input type="checkbox"/> DT <input type="checkbox"/> DU <input type="checkbox"/> DV <input type="checkbox"/> DW <input type="checkbox"/> DX <input type="checkbox"/> DY <input type="checkbox"/> DZ <input type="checkbox"/> EA <input type="checkbox"/> EB <input type="checkbox"/> EC <input type="checkbox"/> ED <input type="checkbox"/> EE <input type="checkbox"/> EF <input type="checkbox"/> EG <input type="checkbox"/> EH <input type="checkbox"/> EI <input type="checkbox"/> EJ <input type="checkbox"/> EK <input type="checkbox"/> EL <input type="checkbox"/> EM <input type="checkbox"/> EN <input type="checkbox"/> EO <input type="checkbox"/> EP <input type="checkbox"/> EQ <input type="checkbox"/> ER <input type="checkbox"/> ES <input type="checkbox"/> ET <input type="checkbox"/> EU <input type="checkbox"/> EV <input type="checkbox"/> EW <input type="checkbox"/> EX <input type="checkbox"/> EY <input type="checkbox"/> EZ <input type="checkbox"/> FA <input type="checkbox"/> FB <input type="checkbox"/> FC <input type="checkbox"/> FD <input type="checkbox"/> FE <input type="checkbox"/> FF <input type="checkbox"/> FG <input type="checkbox"/> FH <input type="checkbox"/> FI <input type="checkbox"/> FJ <input type="checkbox"/> FK <input type="checkbox"/> FL <input type="checkbox"/> FM <input type="checkbox"/> FN <input type="checkbox"/> FO <input type="checkbox"/> FP <input type="checkbox"/> FQ <input type="checkbox"/> FR <input type="checkbox"/> FS <input type="checkbox"/> FT <input type="checkbox"/> FU <input type="checkbox"/> FV <input type="checkbox"/> FW <input type="checkbox"/> FX <input type="checkbox"/> FY <input type="checkbox"/> FZ <input type="checkbox"/> GA <input type="checkbox"/> GB <input type="checkbox"/> GC <input type="checkbox"/> GD <input type="checkbox"/> GE <input type="checkbox"/> GF <input type="checkbox"/> GG <input type="checkbox"/> GH <input type="checkbox"/> GI <input type="checkbox"/> GJ <input type="checkbox"/> GK <input type="checkbox"/> GL <input type="checkbox"/> GM <input type="checkbox"/> GN <input type="checkbox"/> GO <input type="checkbox"/> GP <input type="checkbox"/> GQ <input type="checkbox"/> GR <input type="checkbox"/> GS <input type="checkbox"/> GT <input type="checkbox"/> GU <input type="checkbox"/> GV <input type="checkbox"/> GW <input type="checkbox"/> GX <input type="checkbox"/> GY <input type="checkbox"/> GZ <input type="checkbox"/> HA <input type="checkbox"/> HB <input type="checkbox"/> HC <input type="checkbox"/> HD <input type="checkbox"/> HE <input type="checkbox"/> HF <input type="checkbox"/> HG <input type="checkbox"/> HH <input type="checkbox"/> HI <input type="checkbox"/> HJ <input type="checkbox"/> HK <input type="checkbox"/> HL <input type="checkbox"/> HM <input type="checkbox"/> HN <input type="checkbox"/> HO <input type="checkbox"/> HP <input type="checkbox"/> HQ <input type="checkbox"/> HR <input type="checkbox"/> HS <input type="checkbox"/> HT <input type="checkbox"/> HU <input type="checkbox"/> HV <input type="checkbox"/> HW <input type="checkbox"/> HX <input type="checkbox"/> HY <input type="checkbox"/> HZ <input type="checkbox"/> IA <input type="checkbox"/> IB <input type="checkbox"/> IC <input type="checkbox"/> ID <input type="checkbox"/> IE <input type="checkbox"/> IF <input type="checkbox"/> IG <input type="checkbox"/> IH <input type="checkbox"/> II <input type="checkbox"/> IJ <input type="checkbox"/> IK <input type="checkbox"/> IL <input type="checkbox"/> IM <input type="checkbox"/> IN <input type="checkbox"/> IO <input type="checkbox"/> IP <input type="checkbox"/> IQ <input type="checkbox"/> IR <input type="checkbox"/> IS <input type="checkbox"/> IT <input type="checkbox"/> IU <input type="checkbox"/> IV <input type="checkbox"/> IW <input type="checkbox"/> IX <input type="checkbox"/> IY <input type="checkbox"/> IZ <input type="checkbox"/> JA <input type="checkbox"/> JB <input type="checkbox"/> JC <input type="checkbox"/> JD <input type="checkbox"/> JE <input type="checkbox"/> JF <input type="checkbox"/> JG <input type="checkbox"/> JH <input type="checkbox"/> JI <input type="checkbox"/> JJ <input type="checkbox"/> JK <input type="checkbox"/> JL <input type="checkbox"/> JM <input type="checkbox"/> JN <input type="checkbox"/> JO <input type="checkbox"/> JP <input type="checkbox"/> JQ <input type="checkbox"/> JR <input type="checkbox"/> JS <input type="checkbox"/> JT <input type="checkbox"/> JU <input type="checkbox"/> JV <input type="checkbox"/> JW <input type="checkbox"/> JX <input type="checkbox"/> JY <input type="checkbox"/> JZ <input type="checkbox"/> KA <input type="checkbox"/> KB <input type="checkbox"/> KC <input type="checkbox"/> KD <input type="checkbox"/> KE <input type="checkbox"/> KF <input type="checkbox"/> KG <input type="checkbox"/> KH <input type="checkbox"/> KI <input type="checkbox"/> KJ <input type="checkbox"/> KK <input type="checkbox"/> KL <input type="checkbox"/> KM <input type="checkbox"/> KN <input type="checkbox"/> KO <input type="checkbox"/> KP <input type="checkbox"/> KQ <input type="checkbox"/> KR <input type="checkbox"/> KS <input type="checkbox"/> KT <input type="checkbox"/> KU <input type="checkbox"/> KV <input type="checkbox"/> KW <input type="checkbox"/> KX <input type="checkbox"/> KY <input type="checkbox"/> KZ <input type="checkbox"/> LA <input type="checkbox"/> LB <input type="checkbox"/> LC <input type="checkbox"/> LD <input type="checkbox"/> LE <input type="checkbox"/> LF <input type="checkbox"/> LG <input type="checkbox"/> LH <input type="checkbox"/> LI <input type="checkbox"/> LJ <input type="checkbox"/> LK <input type="checkbox"/> LL <input type="checkbox"/> LM <input type="checkbox"/> LN <input type="checkbox"/> LO <input type="checkbox"/> LP <input type="checkbox"/> LQ <input type="checkbox"/> LR <input type="checkbox"/> LS <input type="checkbox"/> LT <input type="checkbox"/> LU <input type="checkbox"/> LV <input type="checkbox"/> LW <input type="checkbox"/> LX <input type="checkbox"/> LY <input type="checkbox"/> LZ <input type="checkbox"/> MA <input type="checkbox"/> MB <input type="checkbox"/> MC <input type="checkbox"/> MD <input type="checkbox"/> ME <input type="checkbox"/> MF <input type="checkbox"/> MG <input type="checkbox"/> MH <input type="checkbox"/> MI <input type="checkbox"/> MJ <input type="checkbox"/> MK <input type="checkbox"/> ML <input type="checkbox"/> MN <input type="checkbox"/> MO <input type="checkbox"/> MP <input type="checkbox"/> MQ <input type="checkbox"/> MR <input type="checkbox"/> MS <input type="checkbox"/> MT <input type="checkbox"/> MU <input type="checkbox"/> MV <input type="checkbox"/> MW <input type="checkbox"/> MX <input type="checkbox"/> MY <input type="checkbox"/> MZ <input type="checkbox"/> NA <input type="checkbox"/> NB <input type="checkbox"/> NC <input type="checkbox"/> ND <input type="checkbox"/> NE <input type="checkbox"/> NF <input type="checkbox"/> NG <input type="checkbox"/> NH <input type="checkbox"/> NI <input type="checkbox"/> NJ <input type="checkbox"/> NK <input type="checkbox"/> NL <input type="checkbox"/> NM <input type="checkbox"/> NO <input type="checkbox"/> NP <input type="checkbox"/> NQ <input type="checkbox"/> NR <input type="checkbox"/> NS <input type="checkbox"/> NT <input type="checkbox"/> NU <input type="checkbox"/> NV <input type="checkbox"/> NW <input type="checkbox"/> NX <input type="checkbox"/> NY <input type="checkbox"/> NZ <input type="checkbox"/> OA <input type="checkbox"/> OB <input type="checkbox"/> OC <input type="checkbox"/> OD <input type="checkbox"/> OE <input type="checkbox"/> OF <input type="checkbox"/> OG <input type="checkbox"/> OH <input type="checkbox"/> OI <input type="checkbox"/> OJ <input type="checkbox"/> OK <input type="checkbox"/> OL <input type="checkbox"/> OM <input type="checkbox"/> ON <input type="checkbox"/> OO <input type="checkbox"/> OP <input type="checkbox"/> OQ <input type="checkbox"/> OR <input type="checkbox"/> OS <input type="checkbox"/> OT <input type="checkbox"/> OU <input type="checkbox"/> OV <input type="checkbox"/> OW <input type="checkbox"/> OX <input type="checkbox"/> OY <input type="checkbox"/> OZ <input type="checkbox"/> PA <input type="checkbox"/> PB <input type="checkbox"/> PC <input type="checkbox"/> PD <input type="checkbox"/> PE <input type="checkbox"/> PF <input type="checkbox"/> PG <input type="checkbox"/> PH <input type="checkbox"/> PI <input type="checkbox"/> PJ <input type="checkbox"/> PK <input type="checkbox"/> PL <input type="checkbox"/> PM <input type="checkbox"/> PN <input type="checkbox"/> PO <input type="checkbox"/> PP <input type="checkbox"/> PQ <input type="checkbox"/> PR <input type="checkbox"/> PS <input type="checkbox"/> PT <input type="checkbox"/> PU <input type="checkbox"/> PV <input type="checkbox"/> PW <input type="checkbox"/> PX <input type="checkbox"/> PY <input type="checkbox"/> PZ <input type="checkbox"/> QA <input type="checkbox"/> QB <input type="checkbox"/> QC <input type="checkbox"/> QD <input type="checkbox"/> QE <input type="checkbox"/> QF <input type="checkbox"/> QG <input type="checkbox"/> QH <input type="checkbox"/> QI <input type="checkbox"/> QJ <input type="checkbox"/> QK <input type="checkbox"/> QL <input type="checkbox"/> QM <input type="checkbox"/> QN <input type="checkbox"/> QO <input type="checkbox"/> QP <input type="checkbox"/> QQ <input type="checkbox"/> QR <input type="checkbox"/> QS <input type="checkbox"/> QT <input type="checkbox"/> QU <input type="checkbox"/> QV <input type="checkbox"/> QW <input type="checkbox"/> QX <input type="checkbox"/> QY <input type="checkbox"/> QZ <input type="checkbox"/> RA <input type="checkbox"/> RB <input type="checkbox"/> RC <input type="checkbox"/> RD <input type="checkbox"/> RE <input type="checkbox"/> RF <input type="checkbox"/> RG <input type="checkbox"/> RH <input type="checkbox"/> RI <input type="checkbox"/> RJ <input type="checkbox"/> RK <input type="checkbox"/> RL <input type="checkbox"/> RM <input type="checkbox"/> RN <input type="checkbox"/> RO <input type="checkbox"/> RP <input type="checkbox"/> RQ <input type="checkbox"/> RR <input type="checkbox"/> RS <input type="checkbox"/> RT <input type="checkbox"/> RU <input type="checkbox"/> RV <input type="checkbox"/> RW <input type="checkbox"/> RX <input type="checkbox"/> RY <input type="checkbox"/> RZ <input type="checkbox"/> SA <input type="checkbox"/> SB <input type="checkbox"/> SC <input type="checkbox"/> SD <input type="checkbox"/> SE <input type="checkbox"/> SF <input type="checkbox"/> SG <input type="checkbox"/> SH <input type="checkbox"/> SI <input type="checkbox"/> SJ <input type="checkbox"/> SK <input type="checkbox"/> SL <input type="checkbox"/> SM <input type="checkbox"/> SN <input type="checkbox"/> SO <input type="checkbox"/> SP <input type="checkbox"/> SQ <input type="checkbox"/> SR <input type="checkbox"/> SS <input type="checkbox"/> ST <input type="checkbox"/> SU <input type="checkbox"/> SV <input type="checkbox"/> SW <input type="checkbox"/> SX <input type="checkbox"/> SY <input type="checkbox"/> SZ <input type="checkbox"/> TA <input type="checkbox"/> TB <input type="checkbox"/> TC <input type="checkbox"/> TD <input type="checkbox"/> TE <input type="checkbox"/> TF <input type="checkbox"/> TG <input type="checkbox"/> TH <input type="checkbox"/> TI <input type="checkbox"/> TJ <input type="checkbox"/> TK <input type="checkbox"/> TL <input type="checkbox"/> TM <input type="checkbox"/> TN <input type="checkbox"/> TO <input type="checkbox"/> TP <input type="checkbox"/> TQ <input type="checkbox"/> TR <input type="checkbox"/> TS <input type="checkbox"/> TU <input type="checkbox"/> TV <input type="checkbox"/> TW <input type="checkbox"/> TX <input type="checkbox"/> TY <input type="checkbox"/> TZ <input type="checkbox"/> UA <input type="checkbox"/> UB <input type="checkbox"/> UC <input type="checkbox"/> UD <input type="checkbox"/> UE <input type="checkbox"/> UF <input type="checkbox"/> UG <input type="checkbox"/> UH <input type="checkbox"/> UI <input type="checkbox"/> UJ <input type="checkbox"/> UK <input type="checkbox"/> UL <input type="checkbox"/> UM <input type="checkbox"/> UN <input type="checkbox"/> UO <input type="checkbox"/> UP <input type="checkbox"/> UQ <input type="checkbox"/> UR <input type="checkbox"/> US <input type="checkbox"/> UT <input type="checkbox"/> UY <input type="checkbox"/> UZ <input type="checkbox"/> VA <input type="checkbox"/> VB <input type="checkbox"/> VC <input type="checkbox"/> VD <input type="checkbox"/> VE <input type="checkbox"/> VF <input type="checkbox"/> VG <input type="checkbox"/> VH <input type="checkbox"/> VI <input type="checkbox"/> VJ <input type="checkbox"/> VK <input type="checkbox"/> VL <input type="checkbox"/> VM <input type="checkbox"/> VN <input type="checkbox"/> VO <input type="checkbox"/> VP <input type="checkbox"/> VQ <input type="checkbox"/> VR <input type="checkbox"/> VS <input type="checkbox"/> VT <input type="checkbox"/> VU <input type="checkbox"/> VV <input type="checkbox"/> VW <input type="checkbox"/> VX <input type="checkbox"/> VY <input type="checkbox"/> VZ <input type="checkbox"/> WA <input type="checkbox"/> WB <input type="checkbox"/> WC <input type="checkbox"/> WD <input type="checkbox"/> WE <input type="checkbox"/> WF <input type="checkbox"/> WG <input type="checkbox"/> WH <input type="checkbox"/> WI <input type="checkbox"/> WJ <input type="checkbox"/> WK <input type="checkbox"/> WL <input type="checkbox"/> WM <input type="checkbox"/> WN <input type="checkbox"/> WO <input type="checkbox"/> WP <input type="checkbox"/> WQ <input type="checkbox"/> WR <input type="checkbox"/> WS <input type="checkbox"/> WT <input type="checkbox"/> WY <input type="checkbox"/> WZ <input type="checkbox"/> XA <input type="checkbox"/> XB <input type="checkbox"/> XC <input type="checkbox"/> XD <input type="checkbox"/> XE <input type="checkbox"/> XF <input type="checkbox"/> XG <input type="checkbox"/> XH <input type="checkbox"/> XI <input type="checkbox"/> XJ <input type="checkbox"/> XK <input type="checkbox"/> XL <input type="checkbox"/> XM <input type="checkbox"/> XN <input type="checkbox"/> XO <input type="checkbox"/> XP <input type="checkbox"/> XQ <input type="checkbox"/> XR <input type="checkbox"/> XS <input type="checkbox"/> XT <input type="checkbox"/> XU <input type="checkbox"/> XV <input type="checkbox"/> XW <input type="checkbox"/> XX <input type="checkbox"/> XY <input type="checkbox"/> XZ <input type="checkbox"/> YA <input type="checkbox"/> YB <input type="checkbox"/> YC <input type="checkbox"/> YD <input type="checkbox"/> YE <input type="checkbox"/> YF <input type="checkbox"/> YG <input type="checkbox"/> YH <input type="checkbox"/> YI <input type="checkbox"/> YJ <input type="checkbox"/> YK <input type="checkbox"/> YL <input type="checkbox"/> YM <input type="checkbox"/> YN <input type="checkbox"/> YO <input type="checkbox"/> YP <input type="checkbox"/> YQ <input type="checkbox"/> YR <input type="checkbox"/> YS <input type="checkbox"/> YT <input type="checkbox"/> YU <input type="checkbox"/> YV <input type="checkbox"/> YW <input type="checkbox"/> YX <input type="checkbox"/> YY <input type="checkbox"/> YZ <input type="checkbox"/> ZA <input type="checkbox"/> ZB <input type="checkbox"/> ZC <input type="checkbox"/> ZD <input type="checkbox"/> ZE <input type="checkbox"/> ZF <input type="checkbox"/> ZG <input type="checkbox"/> ZH <input type="checkbox"/> ZI <input type="checkbox"/> ZJ <input type="checkbox"/> ZK <input type="checkbox"/> ZL <input type="checkbox"/> ZM <input type="checkbox"/> ZN <input type="checkbox"/> ZO <input type="checkbox"/> ZP <input type="checkbox"/> ZQ <input type="checkbox"/> ZR <input type="checkbox"/> ZS <input type="checkbox"/> ZT <input type="checkbox"/> ZU <input type="checkbox"/> ZV <input type="checkbox"/> ZW <input type="checkbox"/> ZX <input type="checkbox"/> ZY <input type="checkbox"/> ZZ			
15. Special Handling Instructions and Additional Information SCA Code <u>33310</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100928</u>					
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 governmental regulations and state laws and regulations.					DATE
Printed/Typed Name Rick LAGoy		Signature <i>Rick LAGoy</i>		Mo. Day Year 09 11 85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					DATE
Printed/Typed Name JOSEPH HAUSER		Signature <i>Joseph Hauser</i>		Mo. Day Year	
18. Transporter 2 (Acknowledgement of Receipt of Materials)					DATE
Printed/Typed Name John Terry		Signature <i>John Terry</i>		Mo. Day Year 09 11 85	
19. Discrepancy Indication Space Recd - 42280 lbs					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					DATE
Printed/Typed Name M. Thompson		Signature <i>M. Thompson</i>		Mo. Day Year 09 11 85	

11/18/85



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301980

Please print or type.

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY D 0 4 8 1 4 B 0 7 5	Manifest Document No. 0 0 1 0 2 1 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363		255288-8	
5. Transporter 1 (Company Name) Buffalo Fuel Corp		6. US EPA ID Number WYD05180995A		State Transporter's ID No. NYU66127	
7. Transporter 2 (Company Name)		8. US EPA ID Number		Transporter's Phone 716 773-1921	
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NY D 0 4 9 8 3 6 6 7 9		State Facility's ID No. NYU66127	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Unit	15. Waste
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		0 0 1 D IT	20	cy	6007
b.					
c.					
d.					
Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above			
a. PCB Soil		L			
b.		M			
15. Special Handling Instructions and Additional Information					
SCA Code <u>33310</u>		Material also RCRA hazardous for Mercury D009			
SCA W.O.# <u>100929</u>					
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 governmental regulations and state laws and regulations.					
Printed/Typed Name Rick LaGoy		Signature <i>Rick LaGoy</i>		DATE 09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name Ray Gordon		Signature <i>Ray Gordon</i>		DATE 09/17/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature		DATE	
19. Discrepancy Indication Space					
Recd - 36380 lbs.					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name M. J. Long		Signature <i>M. J. Long</i>		DATE 09/18/85	



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST

301981

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD048148175	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 Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205		4. Generator's Phone (518) 489-7363			
5. Transporter 1 (Company Name) BUFFALO FUEL CORP		6. US EPA ID Number WYD051809952			
7. Transporter 2 (Company Name)		8. US EPA ID Number			
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107		10. US EPA ID Number NYD049836679			
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total Quantity	14. Unit
	a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		No. Type	20 CY	
	b.				
	c.				
	d.				
15. Special Handling Instructions and Additional Information SCA Code <u>33310</u> Material also RCRA hazardous for Mercury D009 SCA W.O.# <u>100930</u>			16. HANDLING CODES FOR WASTES LISTED ABOVE <input checked="" type="checkbox"/> L <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z		
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 governmental regulations and state laws and regulations.					
Printed/Typed Name		Signature		DATE	
Richard Lacey		<i>Richard Lacey</i>		09/17/85	
17. Transporter 1 (Acknowledgement or Receipt of Materials)		Signature		DATE	
Lewis DeFever		<i>Lewis DeFever</i>		09/17/85	
18. Transporter 2 (Acknowledgement or Receipt of Materials)		Signature		DATE	
Printed/Typed Name		Signature		DATE	
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.					DATE
Printed/Typed Name		Signature		DATE	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 437-7362.



HAZARDOUS WASTE MANIFEST

Please print or type.

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

Form Approved, OMB No. 2000-0404, Expires 7-31-85

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NYD048148175		Manifest Document No. 0100123	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.	
3. Generator's Name and Mailing Address Mercury Refining, Inc., 14 Commercial Road Albany, NY 12205					[Shaded Area]		
4. Generator's Phone (518) 489-7363							
5. Transporter 1 (Company Name) BUFFALO FUEL CORP		6. US EPA ID Number NYD051809952			[Shaded Area]		
7. Transporter 2 (Company Name)		8. US EPA ID Number					
9. Designated Facility Name and Site Address SCA Chemical Services 1135 Balmer Road Model City, NY 14107					10. US EPA ID Number NYD049836679		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit	15. Handling Codes for Wastes Listed Above	
a. Waste Polychlorinated Biphenyls, mixture (soil contaminated with PCB) ORM-E UN2315		0	D	20	cy	<input checked="" type="checkbox"/> L	
b. [Faded]						<input type="checkbox"/>	
c. [Faded]						<input type="checkbox"/>	
d. [Faded]						<input type="checkbox"/>	
14. Additional Descriptions for Materials listed Above PCB Soil					NEW YORK STATE RECEIVED THE ADDITIONAL INFORMATION FROM THE OPERATOR (NYDEC)		
15. Special Handling Instructions and Additional Information SCA Code 33310 Material also RCRA hazardous for Mercury D009 SCA W.O.#100931							
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 governmental regulations and state laws and regulations.							
Printed/Typed Name Rick Lacey				Signature <i>Rick Lacey</i>		DATE 09/17/85	
17. Transporter 1 (Acknowledgement of Receipt of Materials)				Signature <i>Robert D. Doty</i>		DATE 09/17/85	
Printed/Typed Name Robert D. Doty				Signature		DATE	
18. Transporter 2 (Acknowledgement or Receipt of Materials)				Signature		DATE	
Printed/Typed Name				Signature		DATE	
19. Discrepancy Indication Space Recd - 38040							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						DATE	
Printed/Typed Name M. Thony				Signature <i>M. Thony</i>		DATE 09/17/85	

APPENDIX D

WASTE DISPOSAL AND SHIPPING SUMMARY

MERCURY

301983

MERCURY CONTAMINATED SOILS

<u>Truck Load #</u>	<u>Weight (lbs)</u>
101738	45,920
101741	47,460
101672	43,160
101673	48,060
101688	39,920
101689	41,520
101690	39,900
101730	42,960
101731	39,320
101732	42,140
101733	43,380
101734	38,140
101735	40,540
101736	44,420
101737	52,640
101661	31,580
101662	38,140
101663	39,640
101664	42,620
101665	44,480
101666	44,820
101667	44,560
101668	45,540
101669	42,580
101670	43,080
101671	38,360
101674	42,340
101675	42,100
101676	48,660
101677	45,000
101678	44,220
101679	50,820
101680	45,920
101681	47,320
101682	44,040
101683	40,960
101684	43,640
101685	45,600
101686	44,980
101687	33,500
101629	45,060
101630	46,760
101631	50,520

MERCURY CONTAMINATED SOILS (cont'd)

<u>Truck Load #</u>	<u>Weight (lbs)</u>
100932	44,080
100933	47,440
100934	51,000
101614	72,760
101618	52,760
101622	61,920
101623	57,660
101624	56,760
101625	55,640
101626	53,040
101627	52,040
101628	55,680
101588	71,120
101589	68,520
101590	65,980
101591	65,320
101592	63,740
101593	65,760
101594	64,640
101613	62,520
101615	58,900
101616	73,140
101617	54,700
101619	56,020
101620	56,460
101621	57,920
101653	45,740
100936	72,400
100935	70,560
101739	50,020
101740	58,560
101742	49,680
101743	48,680
101744	54,680
101745	47,020
101746	46,240
101747	41,860
101748	45,680
101749	46,300

4,089,260 lbs.
2,044.63 tons

APPENDIX E

DENSITY TEST RESULTS

- E-1: NATIVE FILL AND SEWER BEDDING SAMPLES
- E-2: LOAM FILL SAMPLES
- E-3: GRANULAR FILL SAMPLES

APPENDIX E-1

NATIVE FILL AND SEWER BEDDING SAMPLES

APPENDIX E-2

LOAM FILL SAMPLES

FIELD IN-PLACE DENSITY TEST REPORT

301996



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1184 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 5
 Client: Conestoga-Rovers & Associates Date: 10/14/85
 Contractor: Sevenson Construction Job No. AD-84-33

Test No.	Date of Test	Depth or Elevation	In-place Density (pcf)	In-place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10/14	-2FG	96.5	10.9	89.9	1	30' S.C. B #4 between CB #4 & CB #2
2	10/14	-2½FG	96.5	11.7	89.9	1	15'W C.B. #1 between CB #1 & CB #2
3	10/14	-3½FG	100.3	17.7	93.4	1	6'E C.B. #1 between CB #1 & CB #2
4	10/14	224.6	106.9	19.7	96.0*	3	225' from MH 5' offset right
5	10/14		133.5	9.7	99.6	4	Retest #2 from 10/10/85
6	10/14	227.7	106.1	17.3	95.2	3	Sta. 1+88 offset 17' left
7	10/14	229.1	129.7	15.3	100+	3	Sta. 1+65 offset 20' left

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
1	107.4	14.0	Brown fine medium sand; on-site
3	111.4	18.3	Gray clay; Troy Sand & Gravel; little silt
4	134.0	8.0	Gray-brown; sand & gravel; Troy Sand & Gravel

Respectfully submitted,
 EMPIRE SOILS INVESTIGATIONS, INC.

Remarks: F.G.=Finish grade, for clay only 91%
needed to reach desired permeability

Technician Time: _____
 Technician: S. Brodell

David Cunningham

APPENDIX E-3

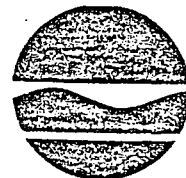
GRANULAR FILL SAMPLES

APPENDIX F

LETTER APPROVING REUSE OF CATCHBASIN

302001

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001



Henry G. Williams
Commissioner

October 15, 1985

Mr. Kevin Bricknell
Conestoga and Rovers Associates
Mercury Refinery Site
Albany, New York

Dear Mr. Bricknell:

Per your discussion with Mr. James Ludlam of this Department and concurrence with myself, we agree to keep the existing catch basin near catch basin #4 in tack.

During a major storm event, Mr. Ludlam observed that this existing catch basin could not receive contaminated run-off from the Mercury Refinery Site. It is this Department's judgement that there is no need to eliminate this catch basin.

Very truly yours,

Robert J. Senior, P.E.
Senior Sanitary Engineer
Technical Support Section
Bureau of Eastern Remedial Action
Division of Solid and Hazardous Waste

302002

APPENDIX G

CONCRETE TESTING RESULTS

302003

CONCRETE FIELD OBSERVATION REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury-Refining Inc. Report No. 2
 Client: Conestoga-Rovers Assoc. Ltd. Date: 10-24-85
 Contractor: Sevenson Const. Co. Job No. Ad-84-33
 Concrete Supplier: Bonded Concrete Corp. Mix No. _____ Sheet 1 of 1
 Weather: cloudy light rain late Air Temperature: A.M. 33 P.M. 62
 General Placement Location: 1) slab on grade between furnace & frame bldg.

Load No.	Ticket No.	Truck No.	Cubic Yards	Time			Water Data (gal.)				Slump (in.)	% Air	Concr. Temp.	Specimen Set No., Specific Placement Location and Remarks
				Batched	Start Discharge	Empty	In Agg.	Added: Plant + Field	Actual Total	Design Total				
1	-	7	6	10:24	10:55	12:30		+10			4	5.1	58	Set #1
2	-	6	6	11:00	11:38						4			

Set No.	Specimen Type and Number	Cubic Yards Placed: <u>12</u>	Rejected: <u>0</u>
1	6" x 12" round -4-	Remarks: <u>4000 PSI concrete mix with A.E.A.</u>	
		Note: <u>checked 2nd load & loft site</u>	

On-Site Time: _____ Technician: P.J. Ford, Jr.

Copies to:

Respectfully submitted,
EMPIRE SOILS INVESTIGATIONS, INC.

David Cunningham

302005

CONCRETE FIELD OBSERVATION REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Inc. Report No. 3
 Client: Conestoga-Rovers Assoc. Ltd. Date: 10-25-85
 Contractor: Sevenson Const. Co. Job No. AD-84-33
 Concrete Supplier: Bonded Concrete Co. Mix No. - Sheet 1 of 1
 Weather: clear breezy Air Temperature: A.M. 49 P.M. 62
 General Placement Location: 1) slab on grade adjacent to furnace building

Load No.	Ticket No.	Truck No.	Cubic Yards	Time			Water Data (gal.)				Slump (in.)	% Air	Concr. Temp.	Specimen Set No., Specific Placement Location and Remarks
				Batched	Start Discharge	Empty	In Agg.	Added: Plant + Field	Actual Total	Design Total				
1	-	7	7	2:28	3:05	4:05		-			3 3/4	4.5	63	Set #1
2	-	32	10	4:00	4:28						3 3/4			

Set No.	Specimen Type and Number	Cubic Yards Placed: <u>17</u> Rejected: <u>0</u>
1	6" x 12" round -4-	Remarks: <u>4000 PSI mix with AEA</u>

On-Site Time: _____ Technician: P.J. Ford, Jr.

Copies to:

Respectfully submitted,
EMPIRE SOILS INVESTIGATIONS, INC.

David Cunningham

302006

CONCRETE FIELD OBSERVATION REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 4
 Client: Conestoga Rovers & Assoc. Date: 11-4-85
 Contractor: Sevenson Const. Job No. AD-84-33
 Concrete Supplier: Bonded Mix No. _____ Sheet _____ of _____
 Weather: cloudy, cool Air Temperature: A.M. 49° P.M. _____
 General Placement Location: floor slab - drum storage area

Load No.	Ticket No.	Truck No.	Cubic Yards	Time			Water Data (gal.)				Slump (in.)	% Air	Concr. Temp.	Specimen Set No., Specific Placement Location and Remarks
				Batched	Start Discharge	Empty	In Agg.	Added: Plant + Field	Actual Total	Design Total				
1		8	10		9:40	10:05					4 1/2	5.0	63	Set #1

Set No.	Specimen Type and Number
1	6" x 12" round -4-

Cubic Yards Placed: 10 Rejected: 0
 Remarks: _____

On-Site Time: _____ Technician: S. Brodell

Copies to:

Respectfully submitted,
 EMPIRE SOILS INVESTIGATIONS, INC.

302007

CONCRETE FIELD OBSERVATION REPORT

Rec'd CRA
DEC 12 1985



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refinery Report No. 7
 Client: _____ Date: 11-6-85
 Contractor: Sevenson Job No. AD-84-33
 Concrete Supplier: Bonded Mix No. 1 Sheet 1 of 1
 Weather: cool/overcast Air Temperature: A.M. 50 P.M. _____
 General Placement Location: slab - mercury platform (storage)

Load No.	Ticket No.	Truck No.	Cubic Yards	Time			Water Data (gal.)				Slump (in.)	% Air	Concr. Temp.	Specimen Set No., Specific Placement Location and Remarks
				Batched	Start Discharge	Empty	In Agg.	Added: Plant + Field	Actual Total	Design Total				
1	580	43	13	8:44	9:15	10:30					3 1/2	3.0		

Set No.	Specimen Type and Number	Cubic Yards Placed: <u>13</u>	Rejected: <u>0</u>
1	6 x 12 -4-	Remarks: <u>total 24 c.y. placed</u>	

On-Site Time: _____ Technician: R. Schongar

Copies to:

Respectfully submitted,
EMPIRE SOILS INVESTIGATIONS, INC.

302010

CONCRETE TEST REPORT

Rec'd CRA

DEC 17 1985



585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
 S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
 RARITAN CENTER, 300 McGAW DRIVE, EDISON, NJ 08837 201-225-0202
 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: MERCURY REFINERY Report No. 1A
 Client: WHITEMAN, OUSTMAN & HONNA Job No. AD-84-33
 Contractor: SEVENSONS Date Molded: 10/22/85

FIELD DATA

Placement Location: Patch over Drain
 Quantity Placed: N.S. C.Y. Specimens Made By: D. Haynes
 Truck No. 108 Mix No. 4000 Concrete Temp. 69 ° Air Temp. 50 °
 Time Specimens Made: 10:30 Set No. 1 Slump: 4.5 in. Air Content: 5.0 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Concrete Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6313		10/29	7	3640	1
	6314		11/19	28	4460	1A
	6315		11/19	28	4470	1A
Specification Requirement At 28 Days					4000	

Remarks
Field Data by E.S.I. by Contractor

Transportation

 by E.S.I. by Contractor Other _____

Date Received

10/23/85

Respectfully submitted.

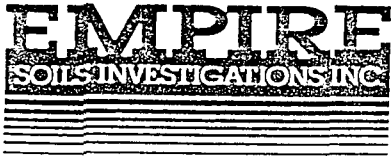
EMPIRE SOILS INVESTIGATIONS, INC.

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

Copies to:

CONCRETE TEST REPORT

Rec'd CRA
DEC 17 1985



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 835 JAMES STREET, SYRACUSE, NY 13203 315-472-8333

Project: MERCURY REFINING CO. Report No. 2 A
 Client CONESTOGA-ROVERS ASSOC., LTD. Job No. AD-84-33
 Contractor: SEVENSON CONSTRUCTION CO. Date Molded: 10/24/85

FIELD DATA

Placement Location Slab on grade between furnace & frame buildings
 Quantity Placed: N.S. C.Y. Specimens Made By: P.J. FORD, JR.
 Truck No. 7 Mix No. N.S. Concrete Temp. 58 ° Air Temp. N.S. °
 Time Specimens Made: 11:15 a.m. Set No. 1 Slump: 4 in. Air Content: 5.1 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6405		10/31	7	3310	2
	6406		10/31	7	3010	2
	6407		11/21	28	4030	2A
	6408		11/21	28	3730	2A

Remarks
Field Data

- by E.S.I.
- by Contractor
- Transportation
- by E.S.I.
- by Contractor
- Other _____

Date Received

10/25/85

Specification Requirement At 28 Days 4000

Respectfully submitted.

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

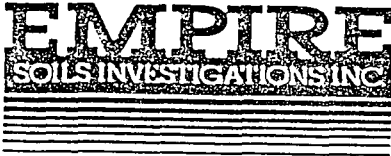
302012

EMPIRE SOILS INVESTIGATIONS, INC.

Copies to:

David Cunningham

CONCRETE TEST REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Co. Report No. 3A
 Client: Conestoga-Rovers Assoc. Job No. AD-84-33
 Contractor: Sevenson Construction Co. Date Molded: 10/25/85

FIELD DATA

Placement Location Slab on grade adjacent to furnace building
 Quantity Placed: 17 C.Y. Specimens Made By: P.J. Ford, Jr.
 Truck No. 7 Mix No. N.S. Concrete Temp. 63 ° Air Temp. 60 °
 Time Specimens Made: 3:30 p.m. Set No. 1 Slump: 3 3/4 in. Air Content: 4.5 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6524		11/1	7	3200	3
	6525		11/1	7	3390	3
	6526		11/22	28	4950	3A
	6527		11/22	28	4970	3A

Remarks
Field Data

- by E.S.I.
- by Contractor
- Transportation
- by E.S.I.
- by Contractor
- Other _____

Date Received

10/28/85

Specification Requirement At 28 Days 4000 Respectfully submitted.

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

302013

EMPIRE SOILS INVESTIGATIONS, INC.

Copies to:

David Cunningham

CONCRETE TEST REPORT

CRA
DEC 27 1985



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refinery Report No. 4 A B
 Client Conestoga Rovers & Associates Job No. AD-84-33
 Contractor: Sevenson Date Molded: 11/1/85

FIELD DATA

Placement Location Slab
 Quantity Placed: 24 C.Y. Specimens Made By: R. Schongar
 Truck No. N.S. Mix No. N.S. Concrete Temp. N.S. ° Air Temp. 40 °
 Time Specimens Made: 9:00 a.m. Set No. 1 Slump: 5 1/2 in. Air Content: 5 1/2 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Concrete Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6737		11/8	7	2620	4
	6738		11/8	7	2600	4
	6739		11/29	28	3240	4A
	6740		12/16	45	3540	4AB

Remarks
Field Data
 by E.S.I.
 by Contractor
 Transportation
 by E.S.I.
 by Contractor
 Other _____

Date Received

Specification Requirement At 28 Days 4,000 Respectfully submitted,

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

302014

EMPIRE SOILS INVESTIGATIONS, INC.

Copies to:

Richard C. Wakeman

CONCRETE TEST REPORT



- 585 TROY SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refinery Report No. 5A
 Client: Conestoga Rovers & Associates Job No. AD-84-33
 Contractor: Sevenson Date Molded: 11/4/85

FIELD DATA

Placement Location Slab
 Quantity Placed: N.S. C.Y. Specimens Made By: R. Schongaer
 Truck No. N.S. Mix No. N.S. Concrete Temp. N.S. ° Air Temp. 50 °
 Time Specimens Made: 10:00 a.m. Set No. 1 Slump: 3.5 in. Air Content: 3.0 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Concrete Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6900		11/14	7	3840	5
	6901		11/14	7	4280	5
	6902		12/5	28	5620	5A
	6903		12/5	28	5290	5A
Specification Requirement At 28 Days					4000	

**Remarks
Field Data**

by E.S.I.
 by Contractor
Transportation
 by E.S.I.
 by Contractor
 Other _____

Date Received
11/9/85

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

302015

Respectfully submitted,
 EMPIRE SOILS INVESTIGATIONS, INC.

Copies to: _____

 David T. Cunningham

CONCRETE TEST REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refinery Report No. 6 A
 Client: Conestoga Rovers & Associates Job No. AD-84-33
 Contractor: Sevenson Date Molded: 11/4/85

FIELD DATA

Placement Location: Floor Slab-Drum Storage Area
 Quantity Placed: 10 C.Y. Specimens Made By: S. Brodell
 Truck No. 8 Mix No. N.S. Concrete Temp. 63 ° Air Temp. 49 °
 Time Specimens Made: 10:00 Set No. 1 Slump: 4 1/2 in. Air Content: 5.0 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6812		11/11	7	2550	6
	6813		11/11	7	2620	6
	6814		12/2	28	3730	6A
	6815		12/2	28	4160	6A

Remarks
Field Data

by E.S.I.
 by Contractor
Transportation
 by E.S.I.
 by Contractor
 Other _____

Date Received
11/5/85

Specification Requirement At 28 Days 4000 Respectfully submitted,

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

302016

EMPIRE SOILS INVESTIGATIONS, INC.

Copies to:

David Cunningham

CONCRETE TEST REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 McGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 7 A
 Client: Conestoga Rovers & Associates Job No. AD-84-33
 Contractor: Sevenson Date Molded: 11/5/85

FIELD DATA

Placement Location East "Break-Out" slab
 Quantity Placed: N.S. C.Y. Specimens Made By: S. Brodell
 Truck No. 40 Mix No. N.S. Concrete Temp. 60 ° Air Temp. 50 °
 Time Specimens Made: 3:30 Set No. 1 Slump: 5 1/2 in. Air Content: 50 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6830		11/12	7	2976	7
	6831		11/12	7	3250	7A
	6832		12/3	28	3930	7A
	6833		12/3	28	4580	7A
Specification Requirement At 28 Days					4000	

**Remarks
Field Data**

by E.S.I.
 by Contractor
Transportation
 by E.S.I.
 by Contractor
 Other _____

Date Received
11/6/85

Cylinder Size: 6" x 12" unless otherwise noted.
 Tested in accord with A. S. T. M. C-39.

302017

EMPIRE SOILS INVESTIGATIONS, INC.

Copies to:

David Cunningham

CONCRETE TEST REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refinery Report No. 8A
 Client Conestoga-Rovers & Associates Job No. AD-84-33
 Contractor: Sevenson Date Molded: 11/8/85

FIELD DATA

Placement Location Floor slab North East Section - Ramp area
 Quantity Placed: N.S. C.Y. Specimens Made By: J. Geiger
 Truck No. 40 Mix No. 1 Concrete Temp. 60 ° Air Temp. 49 °
 Time Specimens Made: 9:45 Set No. 1 Slump: 3.0 in. Air Content: 4.6 %
 Remarks: _____

MIX PROPORTION DATA (per cubic yard)

Concrete Supplier: Bonded Concrete Water: _____ gallons
 Cement: Brand: _____ Type: _____ Amount: _____ pounds or _____ bags
 Aggregate: Fine: Source: _____ Amount: _____ lb.
 Coarse: Type: _____ Source: _____ Amount: _____ lb.
 Type: _____ Source: _____ Amount: _____ lb.
 Air Entraining Agent: Brand: _____ Amount: _____ oz.
 Admixture: Brand: _____ Amount: _____ oz.
 Remarks: _____

COMPRESSIVE STRENGTH DATA

Field Marking	Laboratory Number	Cyl. Wgt.	Date Tested	Age (days)	Compressive Strength (psi)	Report Number
	6943		11/15	7	5700	8
	6944		11/15	7	5450	8
	6945		12/6	28	7240	8A
	6946		12/6	28	7070	8A

Remarks
Field Data

by E.S.I.
 by Contractor
Transportation
 by E.S.I.
 by Contractor
 Other _____

Date Received
11/11/85

Specification Requirement At 28 Days 4000 Respectfully submitted,

Cylinder Size: 6" x 12" unless otherwise noted. Tested in accord with A. S. T. M. C-39. **302018** EMPIRE SOILS INVESTIGATIONS, INC.

Copies to: David T. Cunningham

APPENDIX H

CLAY TESTING RESULTS

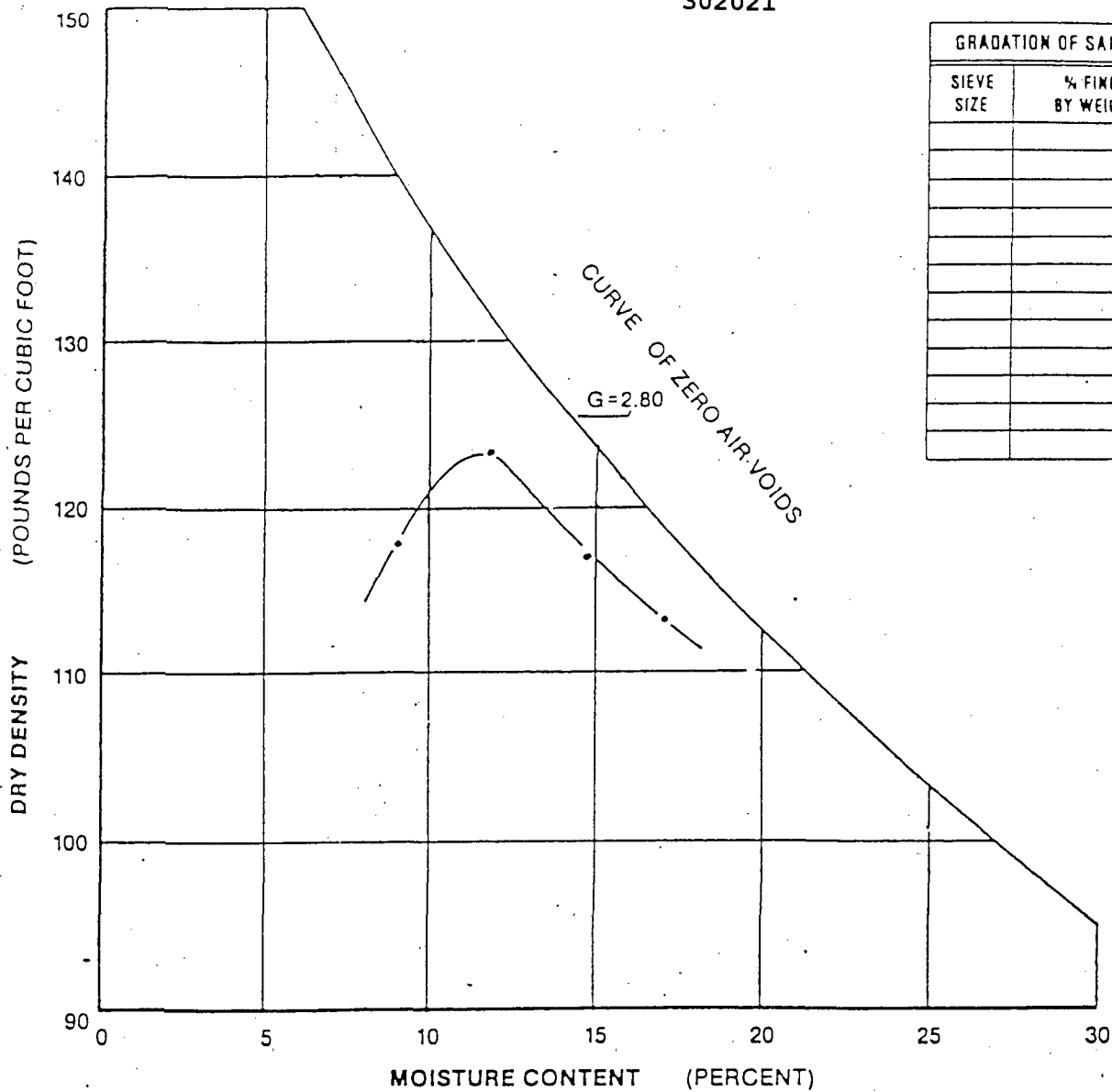
- H-1: CLAY BORROW PIT SAMPLES
- H-2: IN-PLACE CLAY SAMPLES
- H-3: SHELBY TUBE CLAY SAMPLE

APPENDIX H-1

CLAY BORROW PIT SAMPLES

302020

302021



GRADATION OF SAMPLE	
SIEVE SIZE	% FINER BY WEIGHT

SAMPLE DESCRIPTION

TEST RESULTS

Material CLAY & SILT, Some Sand, little gravel Maximum Dry Density 123.2 pcf
 Color Brown Source On-Site Optimum Water Content 11.8 %
 Sampled By client At _____

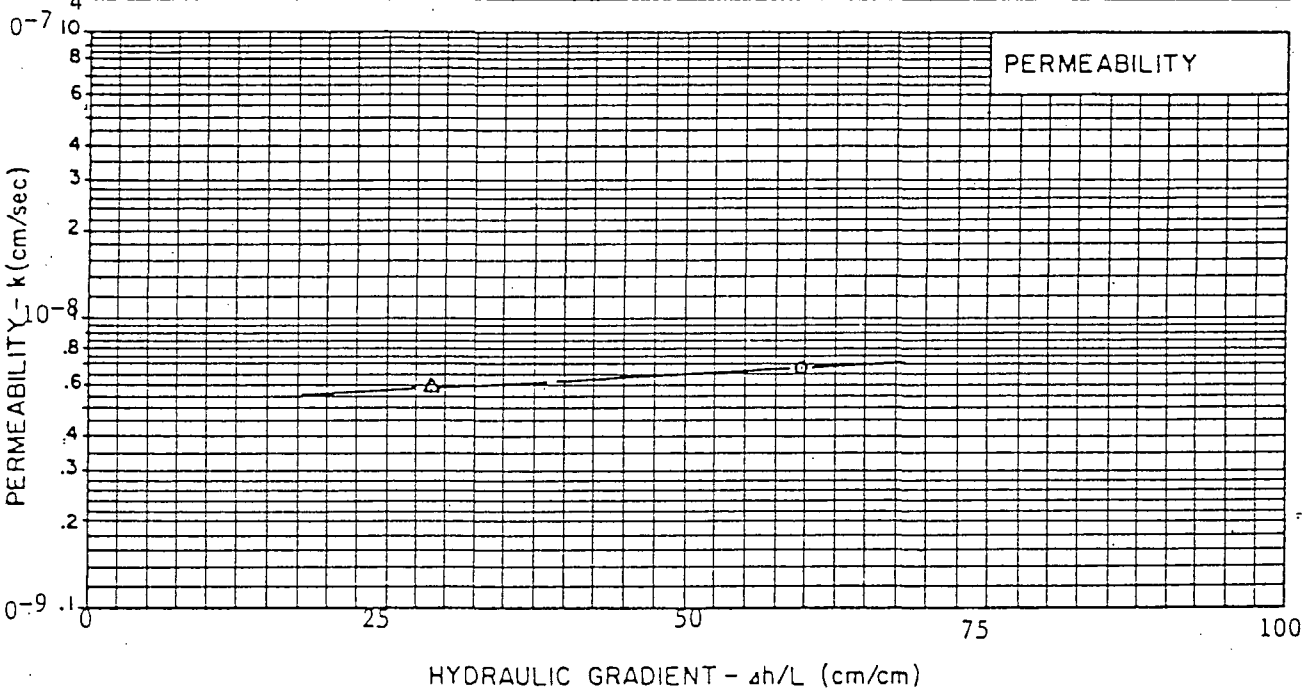
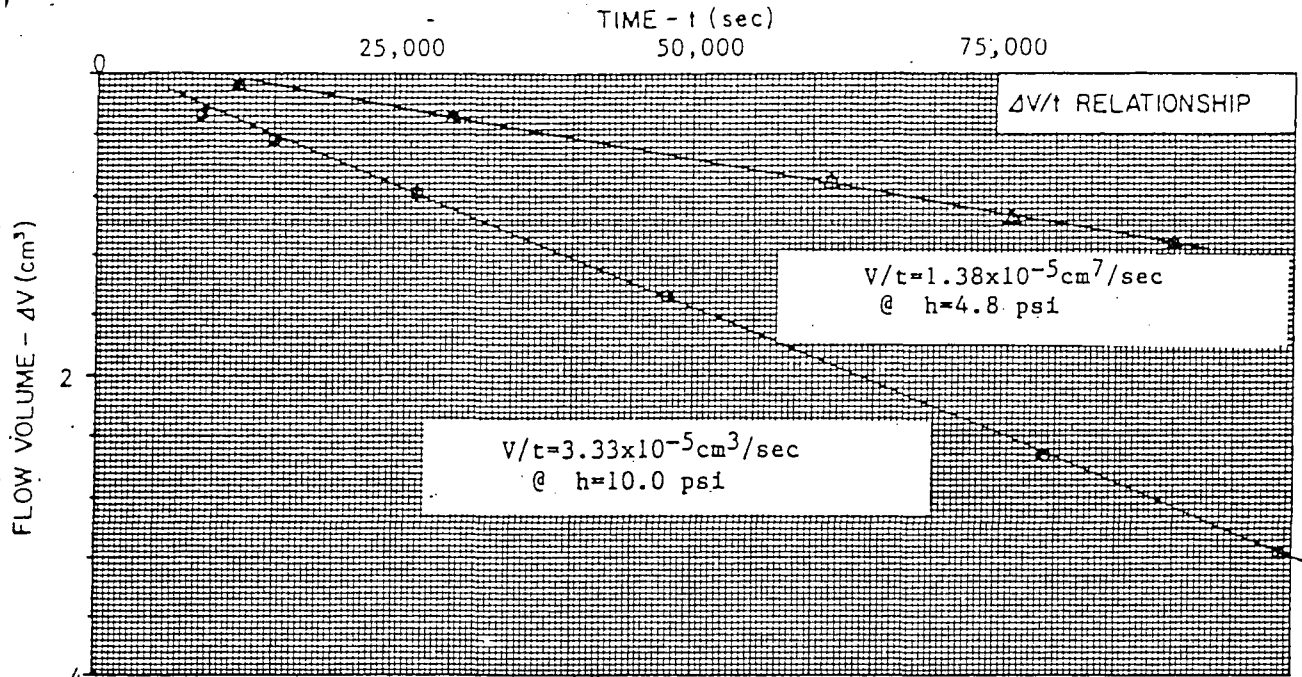
METHOD OF TEST	
STANDARD	METHOD
ASTM <u>D-1557</u>	<u>A</u>
AASHTO _____	_____
MILITARY _____	_____
OTHER _____	_____



OPTIMUM MOISTURE—MAXIMUM DENSITY

MERCURY REFINING CO.
Whiteman, Ousterman & Honna

DR. BY: <u>DTC</u>	DATE SAMPLED: <u>8-85</u>	PROJ. NO. <u>AD-84-33</u>
CK'D BY: _____	TESTED BY <u>Groton</u>	CURVE NO <u>1</u>



TEST DATA:

TYPE OF PERMEAMETER	Constant Head, Triaxial	
SPECIMEN HEIGHT (cm)	11.77	
SPECIMEN DIAMETER (cm)	10.18	
DRY UNIT WEIGHT (pcf)	110.7	
MOISTURE CONTENT BEFORE TEST (%)	17.8	
MOISTURE CONTENT AFTER TEST (%)	17.5	
MAXIMUM DRY DENSITY (ASTM D 1557) (pcf)	123.2	
OPTIMUM MOISTURE CONTENT (%)	11.8	
CELL CONFINING PRESSURE (psi)	95.0	95.0
TEST PRESSURE (psi)	89.8	84.8
BACK PRESSURE (psi)	79.8	80.0
DIFFERENTIAL HEAD (psi)	10.0	4.8
PERMEABILITY (cm/sec)	6.86×10^{-9}	5.91×10^{-9}

SAMPLE IDENTIFICATION:
SAMPLE NO. 1

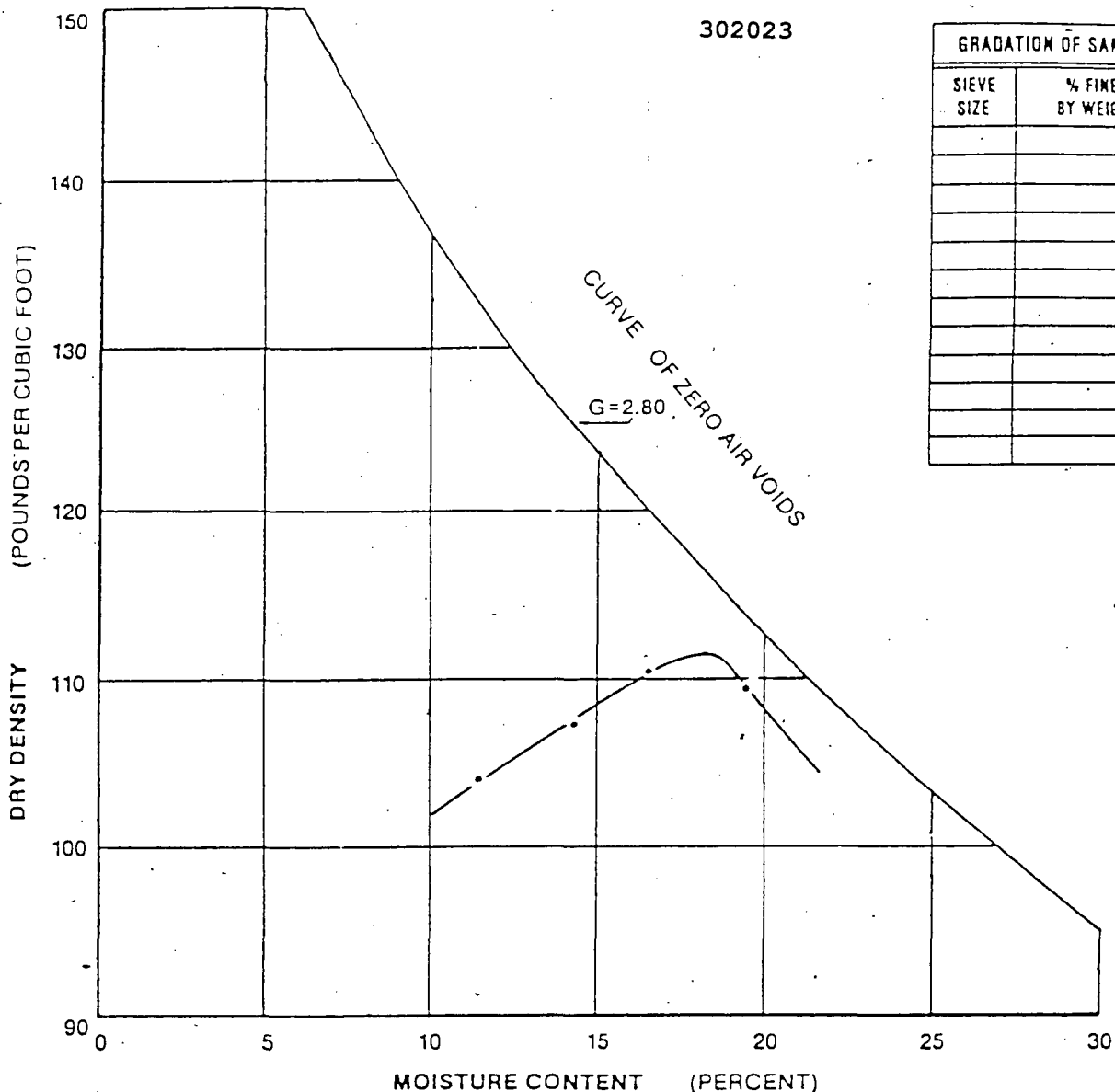
VISUAL DESCRIPTION: Brown CLAY & SILT, Some Sand, little gravel

EMPIRE SOILS INVESTIGATIONS, INC.
PERMEABILITY TEST REPORT

MERCURY REFINING CO.
Whitman, Ousterman & Honna

DATE Sept. 1985 PROJ. NO. Ad-84-33

302023



GRADATION OF SAMPLE	
SIEVE SIZE	% FINER BY WEIGHT

SAMPLE DESCRIPTION

TEST RESULTS

Material CLAY, little silt Maximum Dry Density 111.4 pcf
 Color Gray Source On-Site Optimum Water Content 18.3 %
 Sampled By client At Site

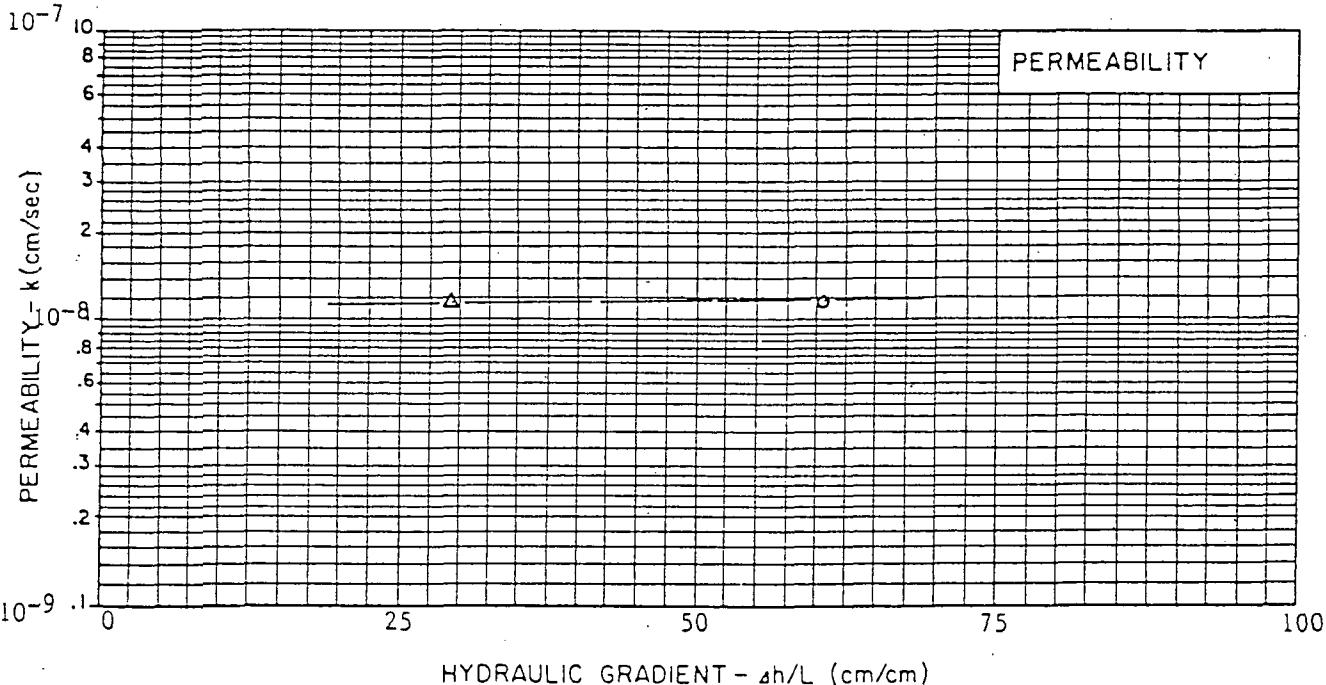
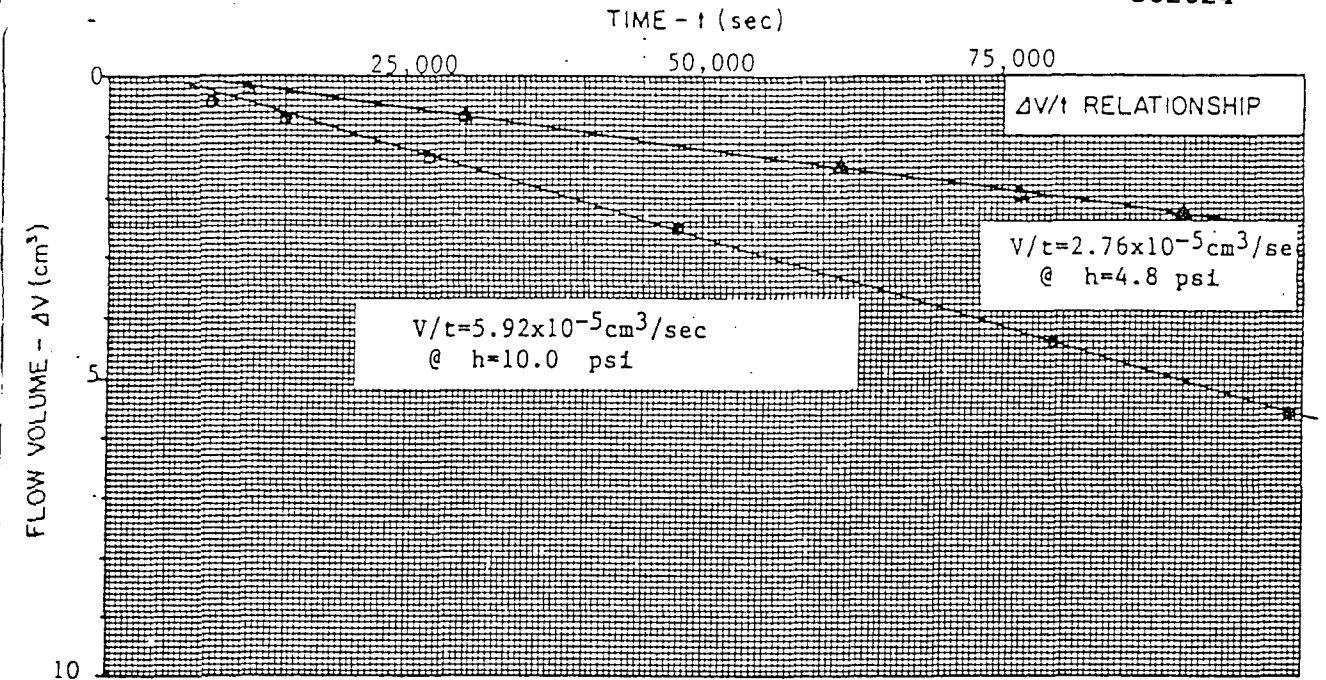
METHOD OF TEST	
STANDARD	METHOD
ASTM _____	_____
AASHTO _____	_____
MILITARY _____	_____
OTHER _____	_____



OPTIMUM MOISTURE—MAXIMUM DENSITY

MERCURY REFINING CO.
Whiteman, Ousterman & Honna

DR. BY: DTC	DATE SAMPLED: 8-25-85	PROJ. NO. AD-84-33
CK'D BY:	TESTED BY: Groton	CURVE NO. 2

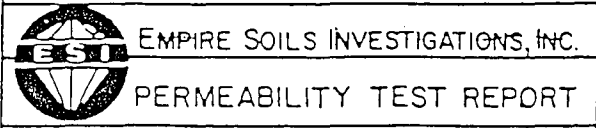


TEST DATA:

TYPE OF PERMEAMETER	Constant Head, Triaxial	
SPECIMEN HEIGHT (cm)		11.56
SPECIMEN DIAMETER (cm)		10.29
DRY UNIT WEIGHT (pcf)		101.2
MOISTURE CONTENT BEFORE TEST (%)		24.3
MOISTURE CONTENT AFTER TEST (%)		23.3
MAXIMUM DRY DENSITY (ASTM D 1557) (pcf)		111.4
OPTIMUM MOISTURE CONTENT (%)		18.3
CELL CONFINING PRESSURE (psi)	95.0	95.0
TEST PRESSURE (psi)	89.8	84.8
BACK PRESSURE (psi)	79.8	80.0
DIFFERENTIAL HEAD (psi)	10.0	4.8
PERMEABILITY (cm/sec)	1.17x10 ⁻⁸	1.14x10 ⁻⁸

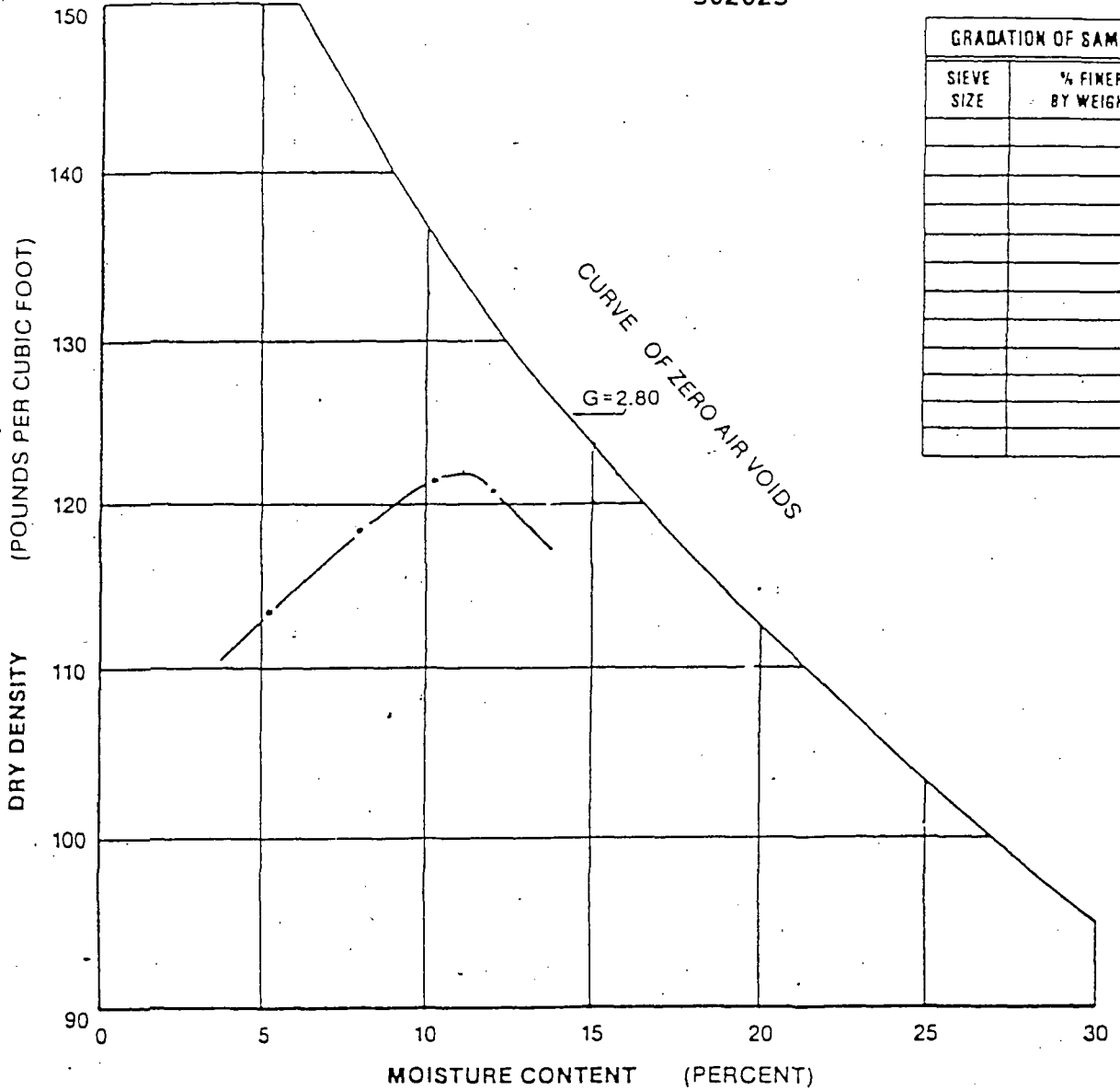
SAMPLE IDENTIFICATION:
 SAMPLE NO. 2

VISUAL DESCRIPTION: Gray CLAY, little silt



MERCURY REFINING CO.
 Whiteman, Ousterman & Honna

302025




GRADATION OF SAMPLE	
SIEVE SIZE	% FINER BY WEIGHT

SAMPLE DESCRIPTION

TEST RESULTS

Material SILT, little sand & clay, trace gravel Maximum Dry Density 122.0 pcf
 Color Brown Source On-Site Optimum Water Content 11.0 %
 Sampled By client At _____

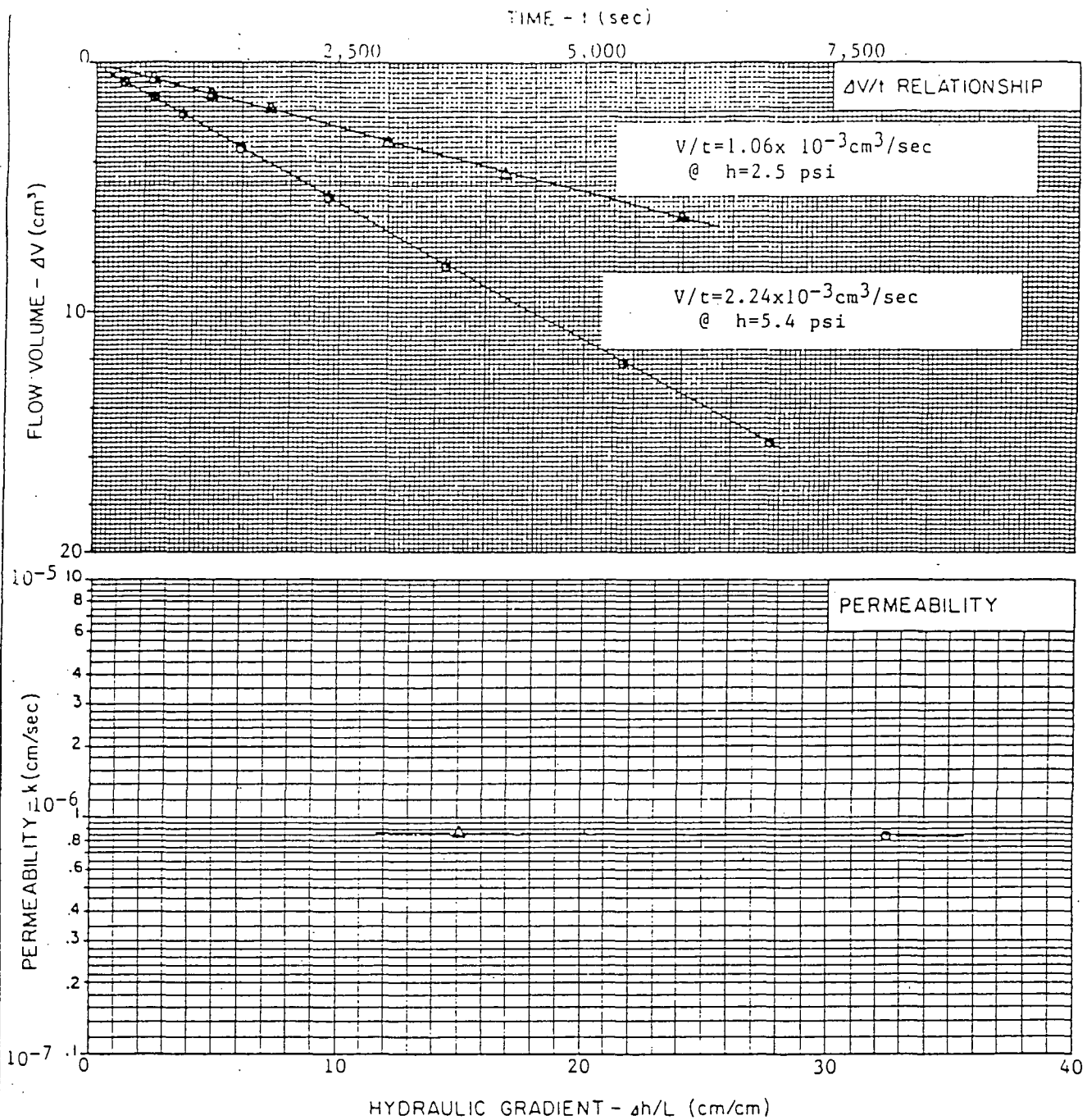
METHOD OF TEST	
STANDARD	METHOD
ASTM <u>D-1557</u>	<u>A</u>
AASHTO _____	_____
MILITARY _____	_____
OTHER _____	_____



OPTIMUM MOISTURE—MAXIMUM DENSITY

MERCURY REFINING CO.
Whiteman, Ousterman, & Honna

DR BY: DTC	DATE SAMPLED: 8-85	PROJ. NO. AD-84-33	
CK'D BY:	TESTED BY Groton	CURVE NO 3	



TEST DATA:

TYPE OF PERMEAMETER	Constant Head, Triaxial	
SPECIMEN HEIGHT (cm)		11.67
SPECIMEN DIAMETER (cm)		10.17
DRY UNIT WEIGHT (pcf)		111.8
MOISTURE CONTENT BEFORE TEST (%)		14.9
MOISTURE CONTENT AFTER TEST (%)		17.2
MAXIMUM DRY DENSITY (ASTM D 1557) (pcf)		122.0
OPTIMUM MOISTURE CONTENT (%)		11.0
CELL CONFINING PRESSURE (psi)	95.0	95.0
TEST PRESSURE (psi)	85.2	82.5
BACK PRESSURE (psi)	79.8	80.0
DIFFERENTIAL HEAD (psi)	5.4	2.5
PERMEABILITY (cm/sec)	8.47 × 10⁻⁷	8/63 × 10⁻⁷

SAMPLE IDENTIFICATION:

SAMPLE NO. 3

VISUAL DESCRIPTION: Brown SILT, little sand & clay, trace gravel

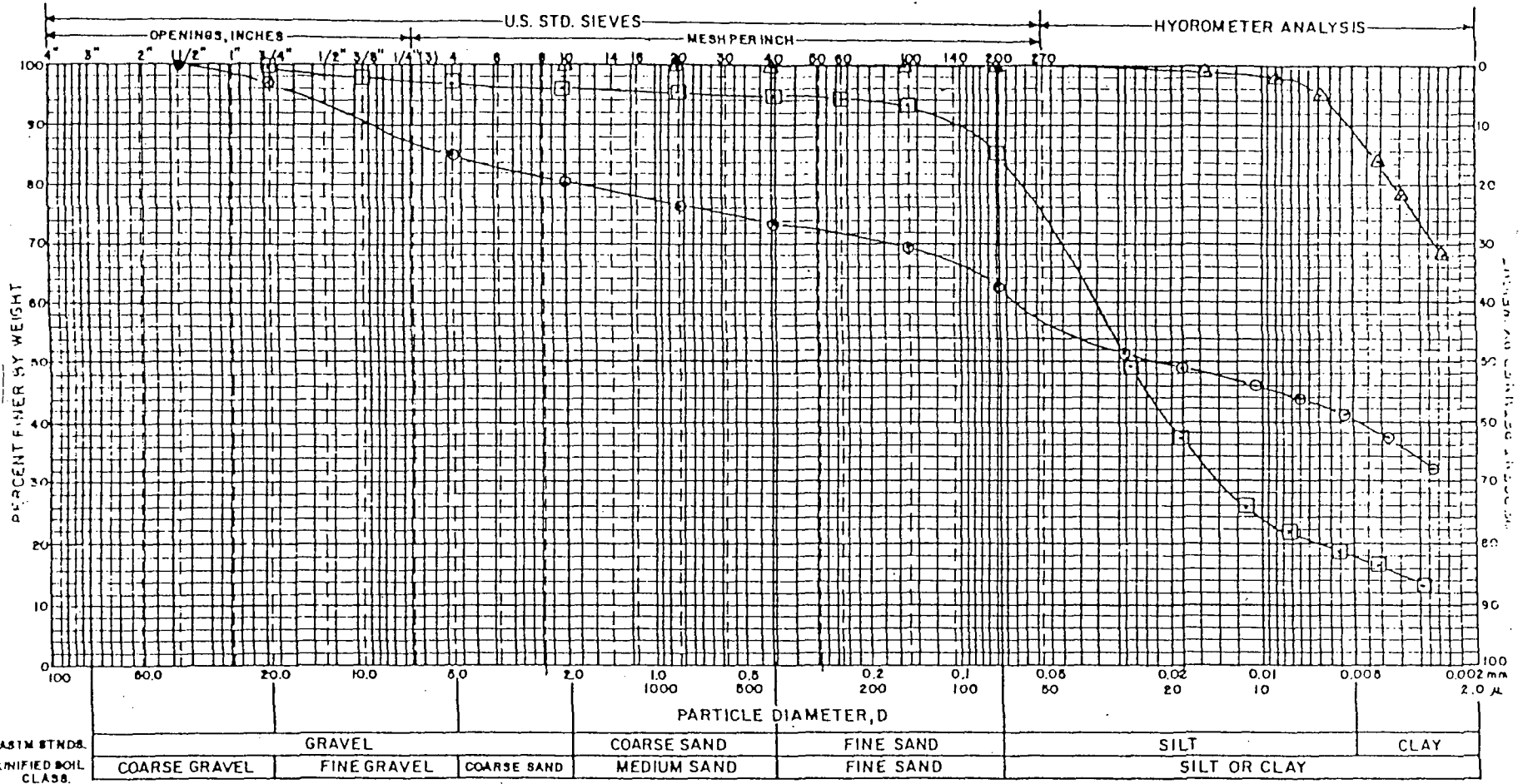


EMPIRE SOILS INVESTIGATIONS, INC.

PERMEABILITY TEST REPORT

MERCURY REFINING CO.
 Whiteman, Ousterman & Honna

GRAIN SIZE DISTRIBUTION CURVE



ASTM STAND.
UNIFIED SOIL
CLASS.

	GRAVEL		COARSE SAND		FINE SAND		SILT		CLAY
	COARSE GRAVEL	FINE GRAVEL	COARSE SAND	MEDIUM SAND	FINE SAND		SILT OR CLAY		

SAMPLE INFORMATION:

- SAMPLE NO. 1
- △ SAMPLE NO. 2
- SAMPLE NO. 3

302027

NOTE: VISUAL SOIL CLASSIFICATIONS ON E.S.I. SUBSURFACE LOGS ARE BASED ON THE UNIFIED SOIL CLASSIFICATION SYSTEM.



EMPIRE SOILS INVESTIGATIONS, INC.

MECHANICAL ANALYSIS

MERCURY REFINING CO.
Whiteman, Ousterman & Honna

DR. BY: DTC CK'D. DATE: 8-85 PROJ. NO. AD-84-33

APPENDIX H-2

IN-PLACE CLAY SAMPLES

302028

FIELD IN-PLACE DENSITY TEST REPORT

302029



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-849-8110
- 105 CORONA AVENUE, GROTON, NY 13073 807-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1184 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 5
 Client Conestoga-Rovers & Associates Date: 10/14/85
 Contractor: Sevenson Construction Job No. AD-84-33

Test No.	Date of Test	Depth or Elevation	In-place Density (pcf)	In-place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10/14	-2FG	96.5	10.9	89.9	1	30' S.C. B #4 between CB #4 & CB #2
2	10/14	-2½FG	96.5	11.7	89.9	1	15'W C.B. #1 between CB #1 & CB #2
3	10/14	-3½FG	100.3	17.7	93.4	1	6'E C.B. #1 between CB #1 & CB #2
4	10/14	224.6	106.9	19.7	96.0*	3	225' from MH 5' offset right
5	10/14		133.5	9.7	99.6	4	Retest #2 from 10/10/85
6	10/14	227.7	106.1	17.3	95.2	3	Sta. 1+88 offset 17' left
7	10/14	229.1	129.7	15.3	100+	3	Sta. 1+65 offset 20' left

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
1	107.4	14.0	Brown fine medium sand; on-site
3	111.4	18.3	Gray clay; Troy Sand & Gravel; little silt
4	134.0	8.0	Gray-brown; sand & gravel; Troy Sand & Gravel

Respectfully submitted,
 EMPIRE SOILS INVESTIGATIONS, INC.

Remarks: F.G.=Finish grade, for clay only 91% needed to reach desired permeability

Technician Time: _____
 Technician: S. Brodell

David Cunningham

FIELD IN-PLACE DENSITY TEST REPORT



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 807-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 6
 Client Whiteman, Ousterman & Honna Date: 10/17/85
 Contractor: Sevenson Containment Co. Job No. AD-84-33

Test No.	Date of Test	Depth or Elevation	In-place Density (pcf)	In-place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10/17	-1 1/2 FG	112.7	13.4	100+	1	10' S catch basin between C.B. & manhole
2	10/17	230.9	112.2	18.5	100+*	4	Sta. 0+83 baseline
3	10/17	229.3	115.9	16.9	100+	4	Sta. 1+96 offset 20' left

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
1	107.4	14.0	Brown fine-medium sand; on-site
4	111.4	18.3	Gray clay, little silt; Troy Sand & Gravel

Respectfully submitted,

Remarks: F.G.=finish grade

EMPIRE SOILS INVESTIGATIONS, INC.

*only 91% compaction needed to get reg. Permeability

Technician Time: _____

Technician: S. Brodell

David Cunningham

FIELD IN-PLACE DENSITY TEST REPORT

302031



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-648-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1184 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

Project: Mercury Refining Report No. 7
 Client Conestoga-Rovers & Associates Date: 10/18/85
 Contractor: Sevenson Construction Corp. Job No. AD-84-33

Test No.	Date of Test	Depth or Elevation	In-place Density (pcf)	In-place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10/18	*	126.3	15.4	100+	4	Sta. 2+48 offset 12' right
Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source				
4	111.4	18.3	Gray clay; little silt; Troy sand & gravel				

Respectfully submitted,

Remarks: * 6" higher than drainage line
baseline.

Technician Time: _____
 Technician: S. Brodell

David Cunningham

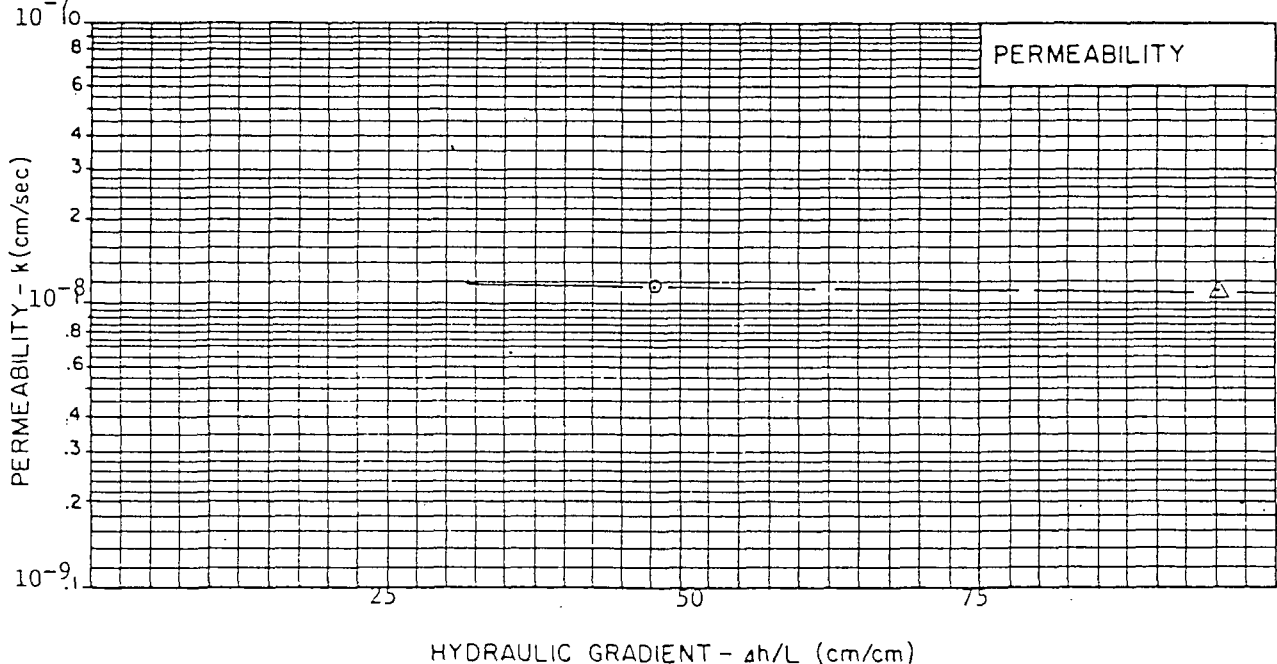
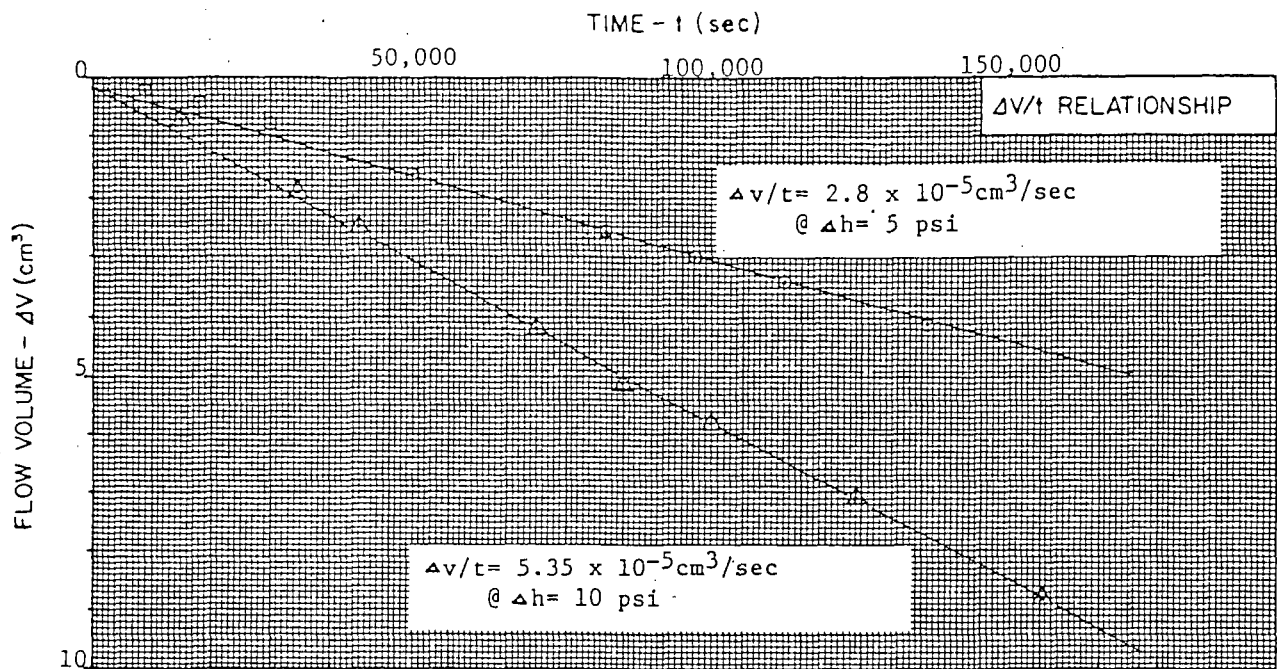
EMPIRE SOILS INVESTIGATIONS, INC.

SURFACE EVALUATION • CONSTRUCTION QUALITY CONTROL • ENGINEERING SPECIALTY SERVICES

APPENDIX H-3

SHELBY TUBE CLAY SAMPLE

302032



TEST DATA:

TYPE OF PERMEAMETER	Constant Head, Triaxial	
SPECIMEN HEIGHT (cm)	7.37	
SPECIMEN DIAMETER (cm)	7.26	
DRY UNIT WEIGHT (pcf)	115.4	
MOISTURE CONTENT BEFORE TEST (%)	16.1	
MOISTURE CONTENT AFTER TEST (%)	15.4	
MAXIMUM DRY DENSITY (ASTM D _____) (pcf)		
OPTIMUM MOISTURE CONTENT (%)		
CELL CONFINING PRESSURE (psi)	95	95
TEST PRESSURE (psi)	85	90
BACK PRESSURE (psi)	80	80
DIFFERENTIAL HEAD (psi)	5	10
PERMEABILITY (cm/sec)	1.42 x 10 ⁻⁸	1.36 x 10 ⁻⁸

SAMPLE IDENTIFICATION: ST-3, STA 2+33,
5 LT

VISUAL DESCRIPTION: Grey Silt & Clay,
Some Gravel, trace organic



EMPIRE SOILS INVESTIGATIONS, INC.

PERMEABILITY TEST REPORT

Cap Material
Mercury Refining

DATE: 10/85 | PROJ. NO.: AD-84-33

APPENDIX I

STRATIGRAPHIC AND INSTRUMENTATION LOGS

302034

STRATIGRAPHIC AND INSTRUMENTATION LOG

PROJECT NAME: MERCURY REFINING COMPANY, INC. JOB NO: 9-1111 HOLE NO: OW1-85
 CLIENT: WHITEMAN, OSTERMAN & HANNA DATE COMPLETED: OCTOBER 25, 1985
 HOLE TYPE: HOLLOW STEM AUGER LOCATION: SOUTHWEST CORNER OF SITE
 GEOLOGIST/ENGINEER: D. BLACK GROUND ELEVATION: * 224.25 TOP OF PIPE ELEVATION: * 226.96

DEPTH (ELEVATION)	PROFILE STRATIGRAPHY DESCRIPTION & REMARKS	MONITOR INSTALLATION	SAMPLE			PENETRATION TEST BLOWS / FOOT
			NUMBER	TYPE	BLOWS / FOOT	
		229.29 Protective casing 226.96 224.25 6" Ø borehole Well pipe Cement/bentonite grout 6.0' Bentonite seal 8.0' Sand pack 14.0' Well screen 19.0' 20.0'				20 40 60 80
0	Brown fine SAND - some medium sand, some silt (FILL) Dry		1	SS	7	
					9	
	Brown fine to medium SAND - some silt, some fine gravel (FILL) Dry		2	SS	29	
					44	
5	Brown medium SAND - some fine sand, some silt (FILL) Dry		3	SS	13	
					17	
	Brown SILT - some fine sand (NATIVE) Wet		4	SS	16	
					20	
			5	SS	7	
					4	
10	Brown-gray SILT - some fine sand Wet		6	SS	4	
					3	
			7	SS	7	
					11	
			8	SS	5	
15	Gray SILT - some fine sand Wet				6	
			9	SS	4	
	Gray-brown SILT - some fine sand Wet				12	
			10	SS	6	
	Brown fine SAND - some silt Wet				13	
20	NOTE: "Quick sand" filled inside of augers from bottom to 15.0' after taking sample #10. Flushed augers with 3" diameter tricone. Well Pipe: 2" dia. PVC pipe Well Screen: 2" dia. PVC, #10 slot, 5' length					

* REFER TO "WATER ELEVATIONS" TABLE FOR CURRENT REFERENCE ELEVATIONS
 ▼ WATER FOUND ▽ STATIC WATER LEVEL (37) GRAIN SIZE ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG

PROJECT NAME: MERCURY REFINING COMPANY, INC. JOB NO: 9-1111 HOLE NO: OW2-85
 CLIENT: WHITEMAN, OSTERMAN & HANNA DATE COMPLETED: OCTOBER 28, 1985
 HOLE TYPE: HOLLOW STEM AUGER LOCATION: SOUTH CENTRAL AREA OF SITE
 GEOLOGIST/ENGINEER: W. CLARKE GROUND ELEVATION: * 228.98 TOP OF PIPE ELEVATION: * 230.69

DEPTH (ELEVATION)	PROFILE STRATIGRAPHY DESCRIPTION & REMARKS	MONITOR INSTALLATION	SAMPLE		PENETRATION TEST BLOWS / FOOT
			NUMBER	TYPE	
		230.82 Protective casing			
		230.69			
0	Brown fine to medium SAND - some silt, trace clay (FILL) Moist	6" ϕ bore-hole	1	SS	9
		Well pipe	2	SS	15
	Brown fine to medium SAND - some coarse sand, some fine gravel, trace clay (FILL) Moist	Cement/bentonite grout	3	SS	8
5	Brown to dark brown medium SAND - some fine and coarse sand, some silt (FILL) Dry-moist		4	SS	7
	Brown fine to medium SAND - some coarse sand, well sorted (NATIVE) Moist	8.0' Bentonite seal	5	SS	2
	No recovery	10.0'	6	SS	2
10	Brown SILT - some fine sand, thixotropic Saturated		7	SS	5
	Brown-gray SILT - some fine sand, changing to brown for bottom 4" Saturated	Sand pack	8	SS	5
15	Brown SILT - some fine sand Saturated	14.5' Well screen	9	SS	2
			10	SS WOR	9
20	NOTE: Well Pipe: 2" dia. PVC pipe Well Screen: 2" dia. PVC, #10 slot, 5' length	19.5' 20.0'			

* REFER TO "WATER ELEVATIONS" TABLE FOR CURRENT REFERENCE ELEVATIONS
 ▼ WATER FOUND ▽ STATIC WATER LEVEL (37) GRAIN SIZE ANALYSIS

302036

STRATIGRAPHIC AND INSTRUMENTATION LOG

PROJECT NAME: MERCURY REFINING COMPANY, INC. JOB NO.: 9-1111 HOLE NO.: OW3-85
 CLIENT: WHITEMAN, OSTERMAN & HANNA DATE COMPLETED: OCTOBER 28, 1985
 HOLE TYPE: HOLLOW STEM AUGER LOCATION: SOUTHEAST CORNER OF SITE
 GEOLOGIST/ENGINEER: W. CLARKE GROUND ELEVATION: * 230.95 TOP OF PIPE ELEVATION: * 232.77

DEPTH (ELEVATION)	PROFILE STRATIGRAPHY DESCRIPTION & REMARKS	MONITOR INSTALLATION		SAMPLE		PENETRATION TEST BLOWS / FOOT												
		NUMBER	TYPE	BLOWS / FOOT	BLOWS / FOOT	BLOWS / FOOT	BLOWS / FOOT	BLOWS / FOOT										
		232.91	Protective casing															
		232.77																
		230.95																
0	Brown fine SAND - some medium sand, some silt (FILL) Moist		6" Ø bore-hole	1	SS	4												
	Mottled brown & dark brown medium SAND - some fine & coarse sand, some silt, some glass, some wood (FILL) Moist		Well pipe	2	SS	15												
				3	SS	19												
5	Mottled dark brown & dark gray medium SAND - some cinders, some brick (FILL) Moist		Cement/bentonite grout	4	SS	11												
				5	SS	5												
				6	SS	6												
10	Dark gray CINDERS - some fine sand (FILL) Moist		Bentonite seal	6	SS	7												
				7	SS	8												
				8	SS	3												
15	Gray-brown SILT - some fine sand, water reported at 12.0' (NATIVE) Saturated		Sand pack	7	SS	3												
				8	SS	5												
				9	SS	3												
				10	SS	3												
20			Well screen	9	SS	3												
				10	SS	4												
				11	SS	7												
				11	SS	11												
				10		10												
	NOTE: Well Pipe: 2" dia. PVC Well Screen: 2" dia. PVC, #10 slot, 5' length																	

* REFER TO "WATER ELEVATIONS" TABLE FOR CURRENT REFERENCE ELEVATIONS
 ▼ WATER FOUND ▽ STATIC WATER LEVEL (37) GRAIN SIZE ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG

PROJECT NAME: MERCURY REFINING COMPANY, INC. JOB No: 9-1111 HOLE No: OW4-85
 CLIENT: WHITEMAN, OSTERMAN & HANNA DATE COMPLETED: OCTOBER 29, 1985
 HOLE TYPE: HOLLOW STEM AUGER LOCATION: NORTHEAST CORNER OF SITE
 GEOLOGIST/ENGINEER: W. CLARKE GROUND ELEVATION: * 234.05 TOP OF PIPE ELEVATION: * 233.88

DEPTH (ELEVATION)	PROFILE STRATIGRAPHY DESCRIPTION & REMARKS	MONITOR INSTALLATION	SAMPLE		PENETRATION TEST BLOWS / FOOT				
			NUMBER	TYPE	BLOWS / FOOT	20	40	60	80
0	ASPHALT - augered through Dark brown & brown medium SAND - some fine & coarse sand, some fine gravel (FILL) Void 2.0'-2.9'	Protective casing 234.05 234.00 233.88 6" Ø bore-hole	1	SS	3				
		Well pipe	2	SS	4				
5	Brown medium SAND - some fine & coarse sand, well sorted (NATIVE) Augered through at 9.0-10.0'	Cement/bentonite grout	3	SS	11				
		8.0' Bentonite Seal	4	SS	8				
10	Dark gray medium SAND - some fine & coarse sand, trace silt Wet	10.0' Sand pack	5	SS	7				
	Brown-gray medium SAND - some fine & coarse sand, trace vegetation (rootlets) Saturated		6	SS	5				
15	Dark brown PEAT Wet	15.0'	7	SS	3				
	Gray SILT - some clay Wet	Well screen	8	SS	9				
	Dark gray medium SAND - some fine & coarse sand Saturated				18				
	Blue-gray SILT - some clay, vegetation (wooden stems) Wet		9	SS	11				
20	Brown-gray SILT - some fine sand, trace clay Saturated	20.0'			16				
NOTE: Well Pipe: 2" dia. PVC Well Screen: 2" dia. PVC, #10 slot, 5' length									

* REFER TO "WATER ELEVATIONS" TABLE FOR CURRENT REFERENCE ELEVATIONS
 ▼ WATER FOUND ▽ STATIC WATER LEVEL (37) GRAIN SIZE ANALYSIS

APPENDIX J

SUMMARY OF AIR MONITORING RESULTS

302039



Sevenson
Containment
Corporation

March 10, 1986

Conestoga-Rovers & Associates Ltd.
651 Colby Drive
Waterloo, Ontario, Canada N2V 1C2

Subject: Safety Report for Mercury Refining

All Sevenson Construction Corporation personnel received a two (2) hour refresher training session prior to onsite work. This session covered the chemical health hazards, physical health hazards and personal respiratory equipment and usage. All personnel were assigned individual respirator and fit tested.

All personnel involved in the excavation of the PCB's and mercury contaminated material wore the following safety equipment:

1. TYVEK coveralls suit
2. MSA half face respirator with mercury vapor cartridges
3. Nitrile outergloves
4. Latex disposable innergloves
5. Overboots, chemical resistant
6. Hard hat
7. Safety glasses
8. Taped between suit and boots and suit and gloves

Sevenson Construction Corporation used three instruments on the Mercury Refining Project to monitor the ambient air during the excavation of PCB and mercury contaminated soils. The instruments are listed below:

1. BachArack MV-2 mercury vapor detector
2. HNU Systems PI-101 photo-ionizer
3. SIBATA P-5 dust indicator

The instruments were used to monitor the ambient air of the excavated material, breathing zone, and perimeter of the site. The readings from these instruments during the excavation of hazardous waste are listed on the following page:

302040

S

<u>Instrument</u>	<u>Location</u>	<u>Readings</u>
MV-2	Excavated Material	0.01 - 0.9 ppm
	Breathing Zone	0.0 - 0.09 ppm
	Perimeter of site	0.0 - 0.05 ppm
HNU PI-101	Excavated Material	BKGR - 1.6 ppm
	Breathing Zone	BKGR - 0.6 ppm
	Perimeter of site	BKGR - 0.4 ppm
P-5	Perimeter of site	0.009 - 0.031mg/m ³

Very truly yours,

SEVENSON CONSTRUCTION CORP.



Dana A. Tipton
Safety Officer

DRT/bh

cc: File

302041

APPENDIX K

MEDICAL SURVEILLANCE

302042

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
1-748-012	TIPTON DANA 310 BRAMPTON RD YOUNGSTOWN NY 14174	08/08/85	COMERFORD, THOMAS

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCTION 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
8 08 85	SEVENSON CAT 2 PAN 8	36.00	
8 08 85	PROTHROMBIN TIME		
8 08 85	APTT		
8 08 85	R/PLATELET COUNT		
8 08 85	SEVENSON CAT3 PAN 3	321.25	
8 08 85	PHYSICAL EXAMINATION		
8 08 85	EKG WITH INTERPRETATE		
8 08 85	PUL FUNCTION SCREEN		
8 08 85	R DIAG 811		
8 08 85	R AMYLASE SERUM		
8 08 85	R LIPASE SERUM		
8 08 85	R HEAVY METALS SCREEN		
8 08 85	R CHOLINESTERASE PSEUD		
8 08 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	357.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
633-013	LEONE DANIEL 5420 VANDERBILT AVE NIAGARA FALLS NY 14305	08/08/85	COMERFORD, THOMAS

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 EVENSON CONSTRUCTION 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
8 08 85	SEVENSON CAT 3 PANEL 1	364.25	
8 08 85	PHYSICAL EXAMINATION		
8 08 85	EKG WITH INTERPRETATE		
8 08 85	PUL FUNCTION SCREEN		
8 08 85	XRAY CHEST TWO VIEWS		
8 08 85	R DIAG 811		
8 08 85	R AMYLASE SERUM		
8 08 85	R LIPASE SERUM		
8 08 85	R HEAVY METALS SCREEN		
8 08 85	R CHOLINESTERASE PSEUD		
8 08 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
558-008	VENTRY ERNEST P 540 CHURCH STREET YOUNGSTOWN NY 14174	08/14/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCTION 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
3 14 85	SEVENSON CAT 3 PANEL 1	364.25	
3 14 85	PHYSICAL EXAMINATION		
3 14 85	EKG WITH INTERPRETATE		
3 14 85	PUL FUNCTION SCREEN		
3 14 85	XRAY CHEST TWO VIEWS		
3 14 85	R DIAG 811		
3 14 85	R AMYLASE SERUM		
3 14 85	R LIPASE SERUM		
3 14 85	R HEAVY METALS SCREEN		
3 14 85	R CHOLINESTERASE PSEUD		
3 14 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

ACCOUNT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
848-006	SPATORICO SALVATORE 307 1/2 9TH STREET NIAGARA FALLS NY 14303	08/14/85	COMERFORD, THOMAS

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCTION 2749 LOCKPORT ROAD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
8 14 85	SEVENSON CAT 3 PANEL 1	364.25	
8 14 85	PHYSICAL EXAMINATION		
8 14 85	EKG WITH INTERPRETATE		
8 14 85	PUL FUNCTION SCREEN		
8 14 85	XRAY CHEST TWO VIEWS		
8 14 85	R DIAG 811		
8 14 85	R AMYLASE SERUM		
8 14 85	R LIPASE SERUM		
8 14 85	R HEAVY METALS SCREEN		
8 14 85	R CHOLINESTERASE PSEUD		
8 14 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
266-005	MAYES BRUCE 9611 SAUNDERS SETLMNT RD NIAGARA FALLS NY 14304	08/14/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCT 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENTS
8 14 85	SEVENSON CAT 3 PANEL 1	364.25	
8 14 85	PHYSICAL EXAMINATION		
8 14 85	EKG WITH INTERPRETATE		
8 14 85	PUL FUNCTION SCREEN		
8 14 85	XRAY CHEST TWO VIEWS		
8 14 85	R DIAG 811		
8 14 85	R AMYLASE SERUM		
8 14 85	R LIPASE SERUM		
8 14 85	R HEAVY METALS SCREEN		
8 14 85	R CHOLINESTERASE PSEUD		
8 14 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

ACCOUNT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
249-007	LAMORTICELLA ALBERT 6113 KIES AVE NIAGARA FALLS NY 14304	08/14/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCT 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
3 14 85	SEVENSON CAT 3 PANEL 1	364.25	
3 14 85	PHYSICAL EXAMINATION		
3 14 85	EKG WITH INTERPRETATE		
3 14 85	PUL FUNCTION SCREEN		
3 14 85	XRAY CHEST TWO VIEWS		
3 14 85	R DIAG 811		
3 14 85	R AMYLASE SERUM		
3 14 85	R LIPASE SERUM		
3 14 85	R HEAVY METALS SCREEN		
3 14 85	R CHOLINESTERASE PSEUD		
3 14 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
745-008	MAYES KENNETH A 13 B ST NIAGARA FALLS NY 14303	08/20/85	COMERFORD, THOMAS

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONST 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
20 85	SEVENSON CAT 3 PANEL 1	364.25	
20 85	PHYSICAL EXAMINATION		
20 85	EKG WITH INTERPRETATE		
20 85	PUL FUNCTION SCREEN		
20 85	XRAY CHEST TWO VIEWS		
20 85	R DIAG 811		
20 85	R AMYLASE SERUM		
20 85	R LIPASE SERUM		
20 85	R HEAVY METALS SCREEN		
20 85	R CHOLINESTERASE PSEUD		
20 85	METHOGLOBIN		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	364.25

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

ACCOUNT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
249-008	LAMORTICELLA ALBERT 6113 KIES AVE NIAGARA FALLS NY 14304	08/23/85	CUMERFORD, THOMAS

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 VENSON CONSTRUCT 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
23 85	SEVENSON CAT 2 PAN 10	15.00	
23 85	R/TRIGLYCERIDES		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	15.00

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
248-002	STEIN RICHARD P 252 MCCONKEY DRIVE TOWN OF TONAWANDA NY 14223	08/30/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCT 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENTS
3 30 85	SEVENSON CAT 5 PAN 1	262.00	
3 30 85	PHYSICAL EXAMINATION		
3 30 85	PHY EXAM COMP INITIAL		
3 30 85	R DIAG 814 PLUS 800		
3 30 85	R/MERCURY URINE		
3 30 85	XRAY CHEST TWO VIEWS		
3 30 85	PUL FUNCTION SCREEN		
3 30 85	EKG WITH INTERPRETATE		
3 30 85	GENERAL SERVICE CHARGE		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	262.00

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
083-007	KGDESKI WILLIAM L 3530 FERRY AVE NIAGARA FALLS NY 14301	09/10/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 SEVENSON CONSTRUCT 2749 LOCKPORT RD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
10 85	SEVENSON CAT 5 PAN 1	262.00	
10 85	PHYSICAL EXAMINATION		
10 85	PHY EXAM COMP INITIAL		
10 85	R DIAG 814 PLUS 800		
10 85	R/MERCURY URINE		
10 85	XRAY CHEST TWO VIEWS		
10 85	PUL FUNCTION SCREEN		
10 85	EKG WITH INTERPRETATE		
10 85	GENERAL SERVICE CHARGE		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	262.00

niagara falls memorial medical center

621 Tenth Street Niagara Falls, New York 14302 (716) 278-4311

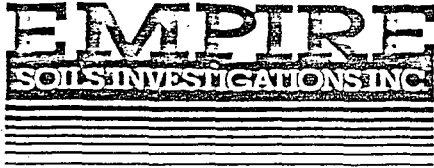
PATIENT NUMBER	PATIENT'S NAME, ADDRESS	SERVICE DATE	PHYSICIAN
482-004	CERTO ANTHONY D 892 UPPER MT RD LEWISTON NY 14092	09/11/85	DYSTER, MELVIN

FINANCIALLY RESPONSIBLE PERSON'S NAME, ADDRESS
 EVENSON CONSTRUCTION 2749 LOCKPORT ROAD NIAGARA FALLS NY 14305

DATE	DESCRIPTION OF SERVICES	CHARGES	CREDIT OR PAYMENT
9 11 85	SEVENSON CAT 5 PAN 2	213.00	
9 11 85	PHYSICAL EXAMINATION		
9 11 85	PHY EXAM COMP INITIAL		
9 11 85	R DIAG 814 PLUS 800		
9 11 85	R/MERCURY URINE		
9 11 85	PUL FUNCTION SCREEN		
9 11 85	EKG WITH INTERPRETATE		
9 11 85	GENERAL SERVICE CHARGE		
Professional anesthesia services provided in the Medical Center will be billed for by the physician.		ACCOUNT BALANCE	213.00

APPENDIX L

IN PLACE DENSITY TESTING PROGRAM



- 585 TROY-SCHENECTADY RD., LATHAM, NY 12110 518-783-1555
- S-3858 SHELDON RD., P.O. BOX 229, ORCHARD PARK, NY 14127 716-649-8110
- 105 CORONA AVENUE, GROTON, NY 13073 607-898-5881
- RARITAN CENTER, 300 MCGAW DRIVE, EDISON, NJ 08837 201-225-0202
- 1164 RIDGE RD. EAST, ROCHESTER, NY 14621 716-342-5320
- 635 JAMES STREET, SYRACUSE, NY 13203 315-472-9333

APR 23 1985

Project: Mercury Refining, Inc. Report No. 1
 Client Conestoga-Rovers & Associates, LTD. Date: 3/20/85
 Contractor: _____ Job No. AD-84-33

Test No.	Date of Test	Depth or Elevation	In-place Density (pcf)	In-place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	3/20	Grade	107.6	8.8	-	-	Indigenous Soil
2	3/20	Grade	111.1	8.3	-	-	Indigenous Soil
3	3/20	Grade	118.9	17.0	-	-	Fill Material
4	3/20	Grade	133.4	10.9	-	-	Fill Material
5	3/20	Grade	138.8	-	-	-	Fill Material-Mercury Visible
Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source				

Respectfully submitted,
 EMPIRE SOILS INVESTIGATIONS, INC.

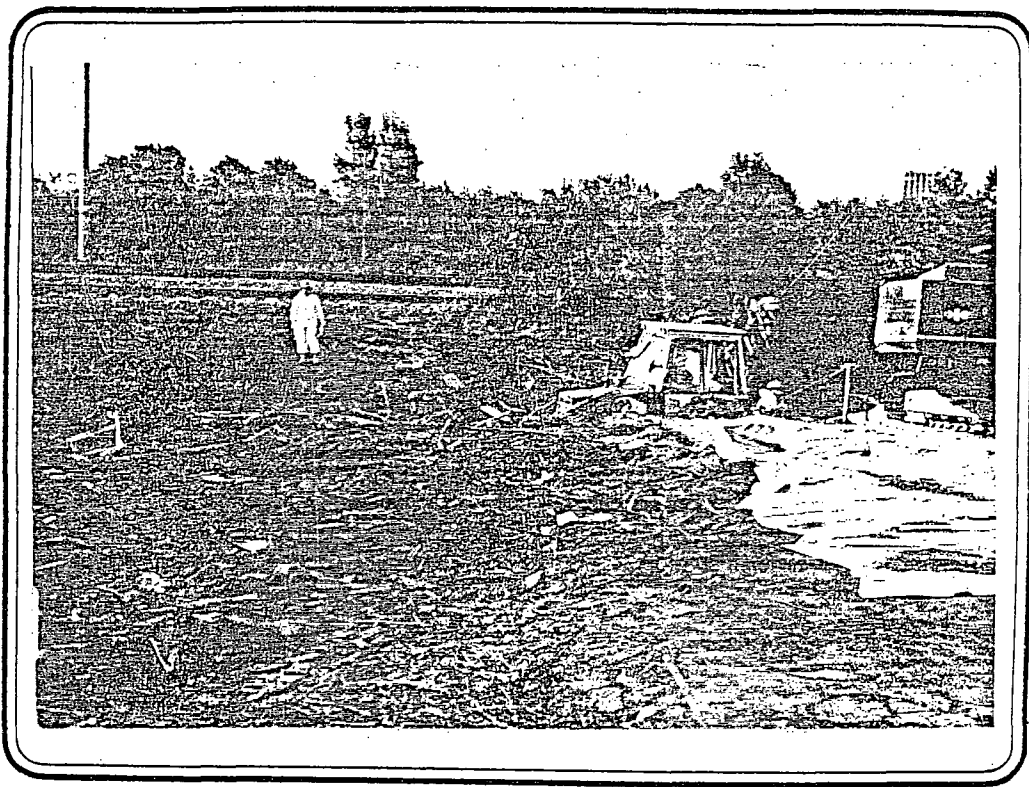
Remarks: In-Place Density presented is
total "Wet" Unit Weight

Technician Time: _____

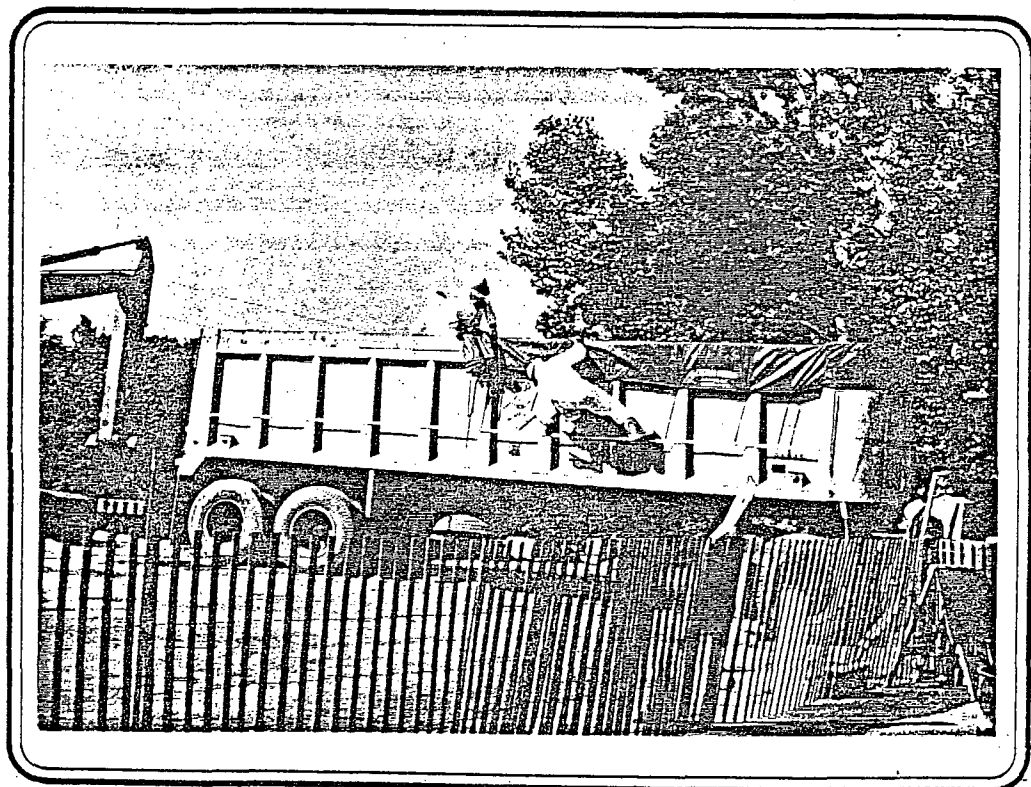
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APPENDIX M

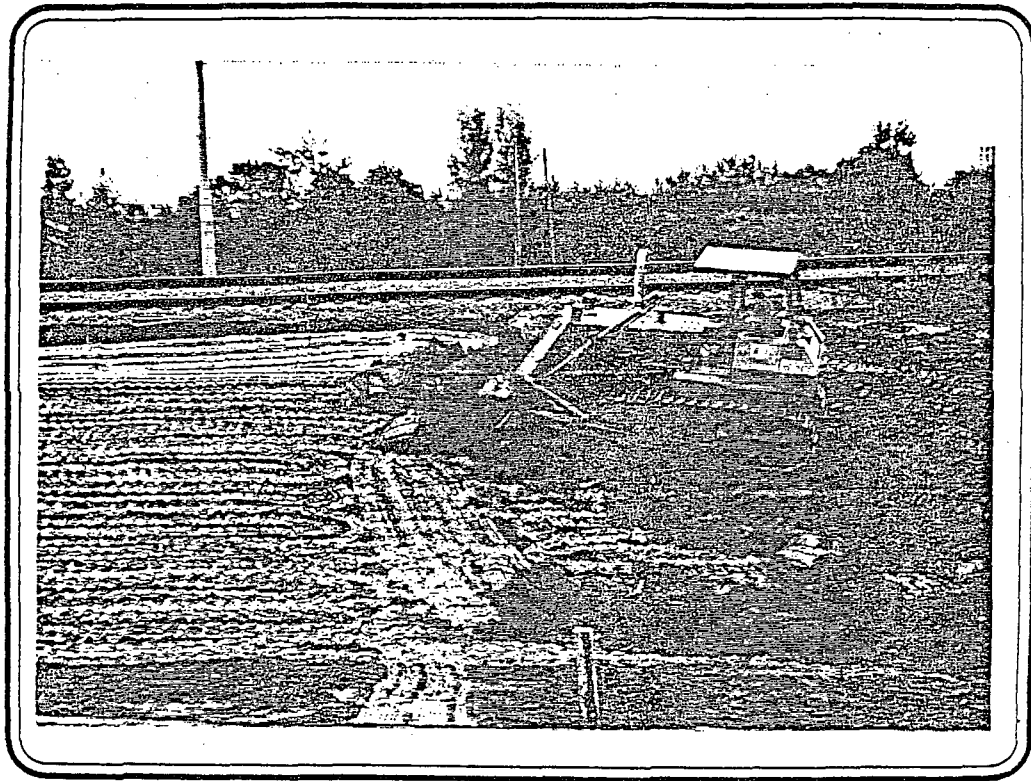
PHOTOGRAPHS



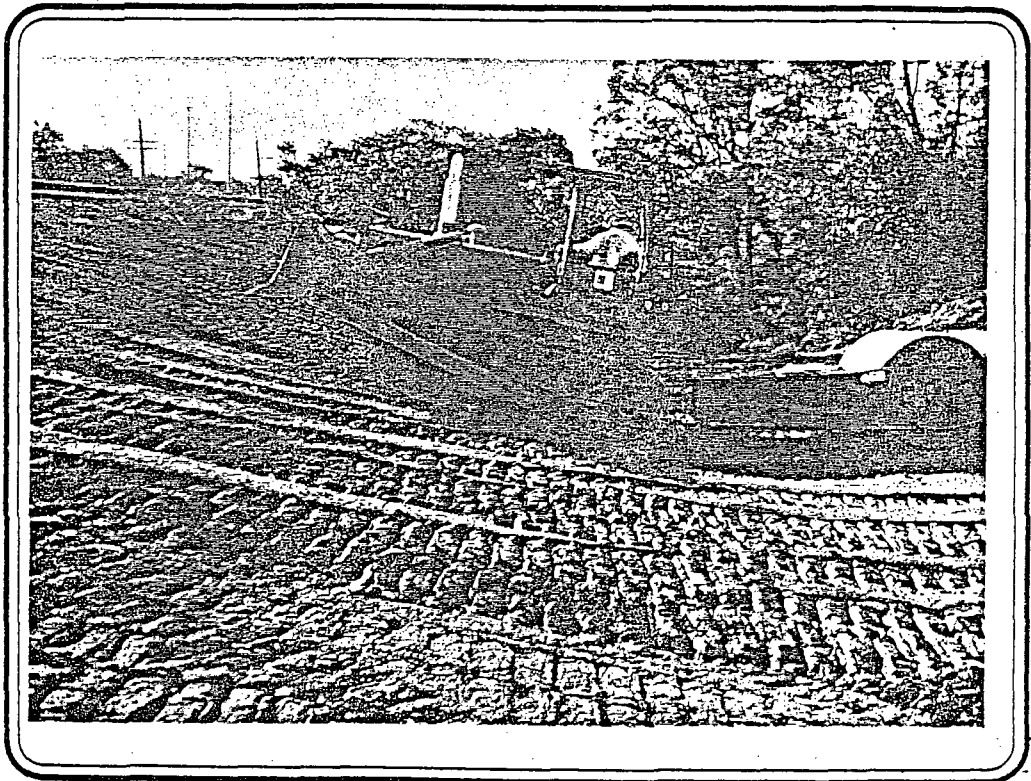
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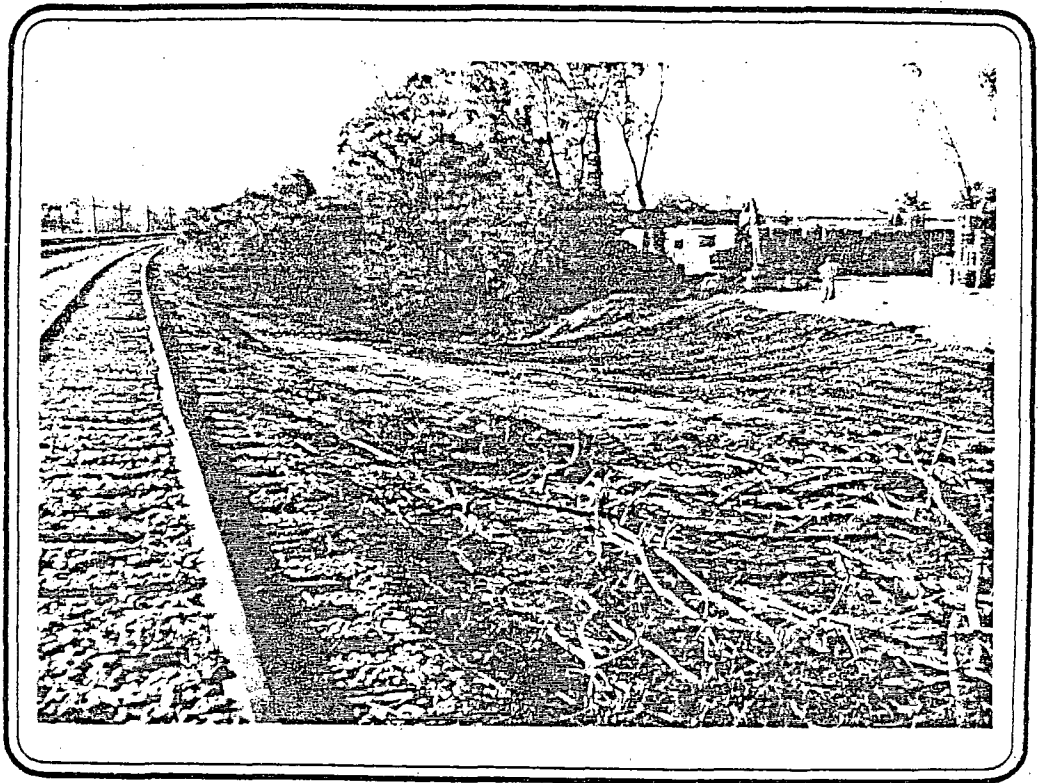
TARPING TRUCKS



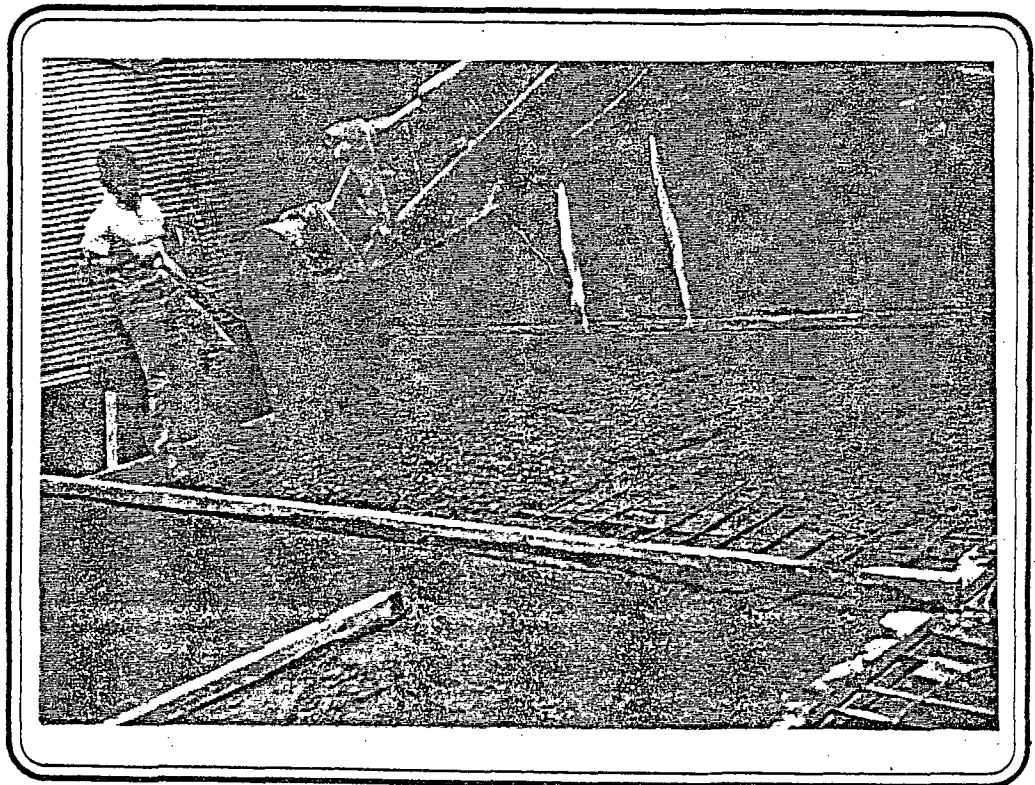
PLACING CLAY CAP



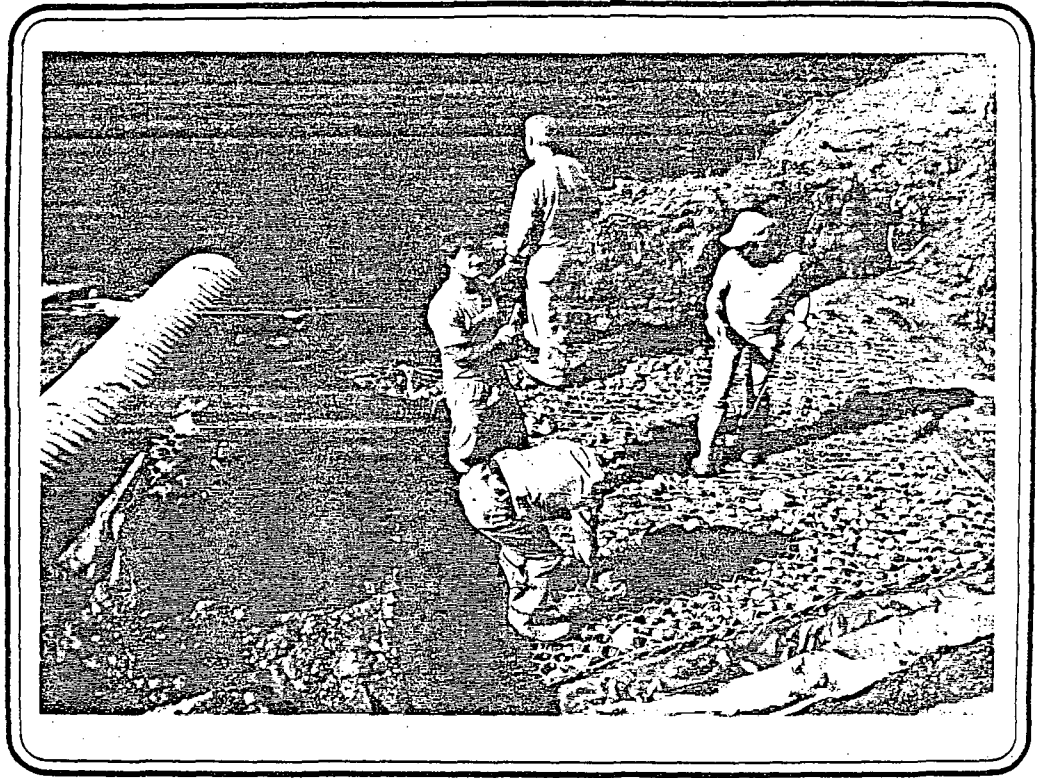
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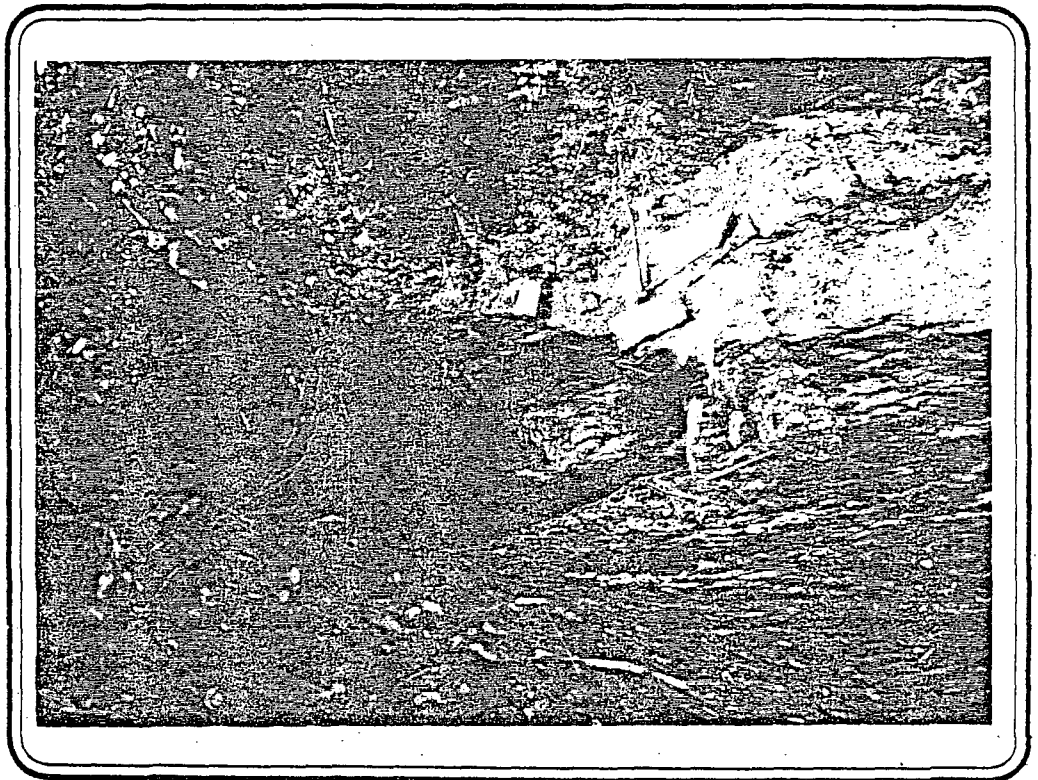
CLAY CAP



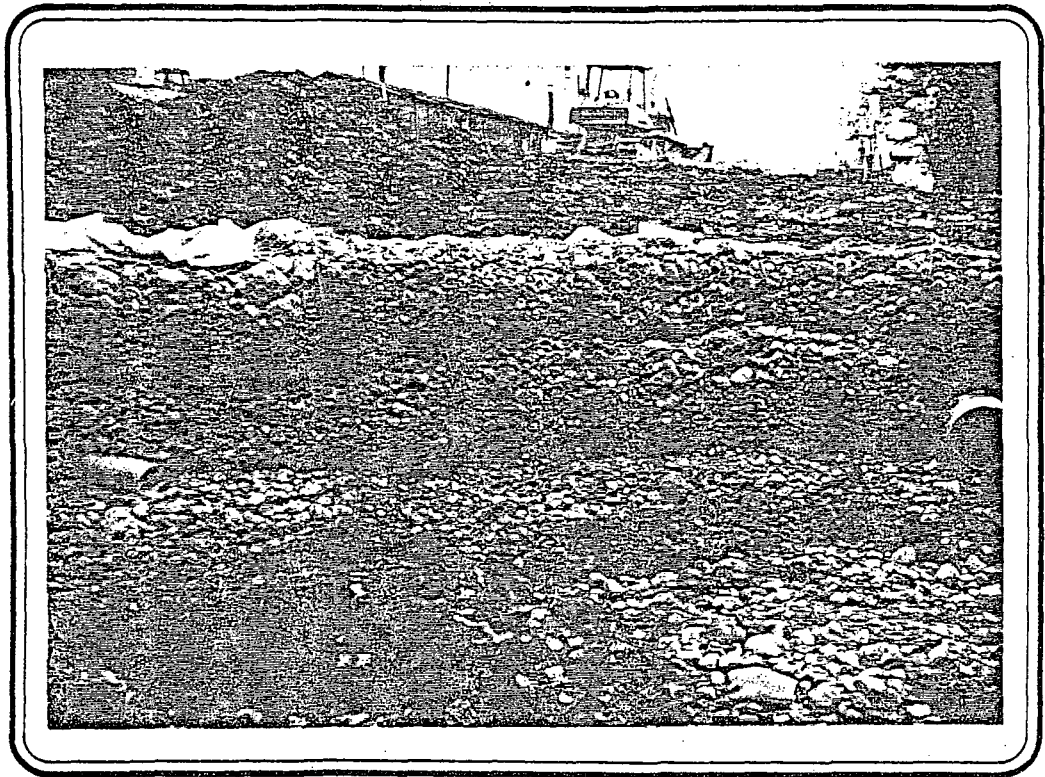
PLACING CONCRETE CAP



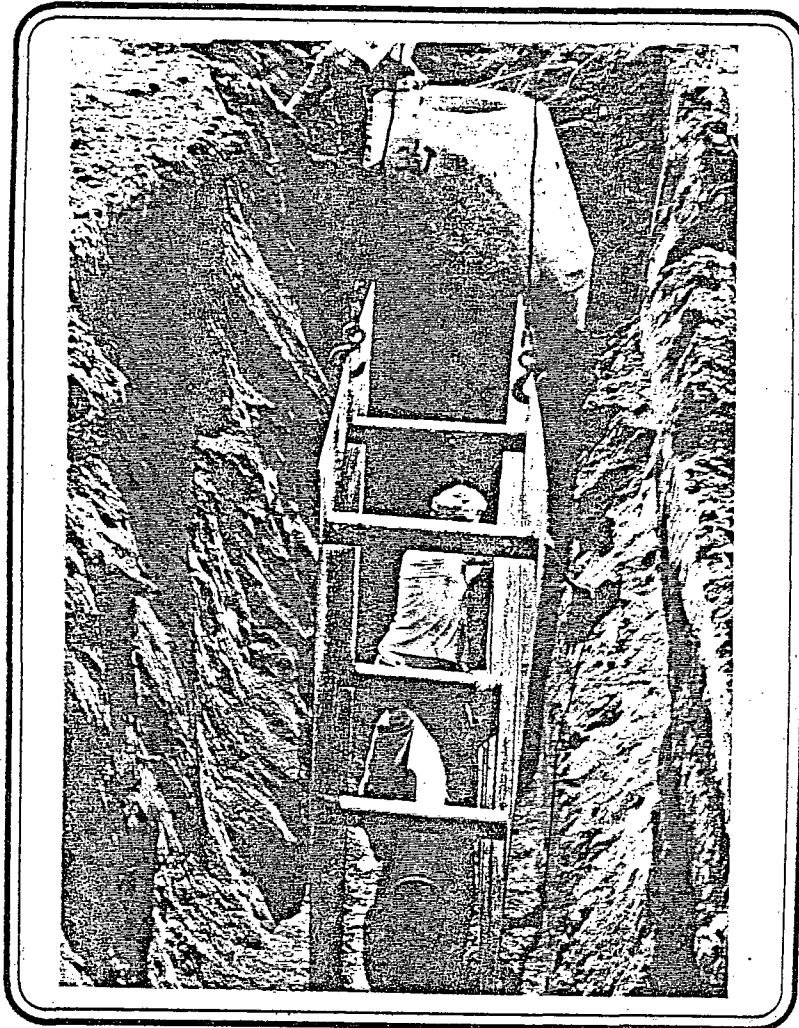
CONSTRUCTING GABION WALL



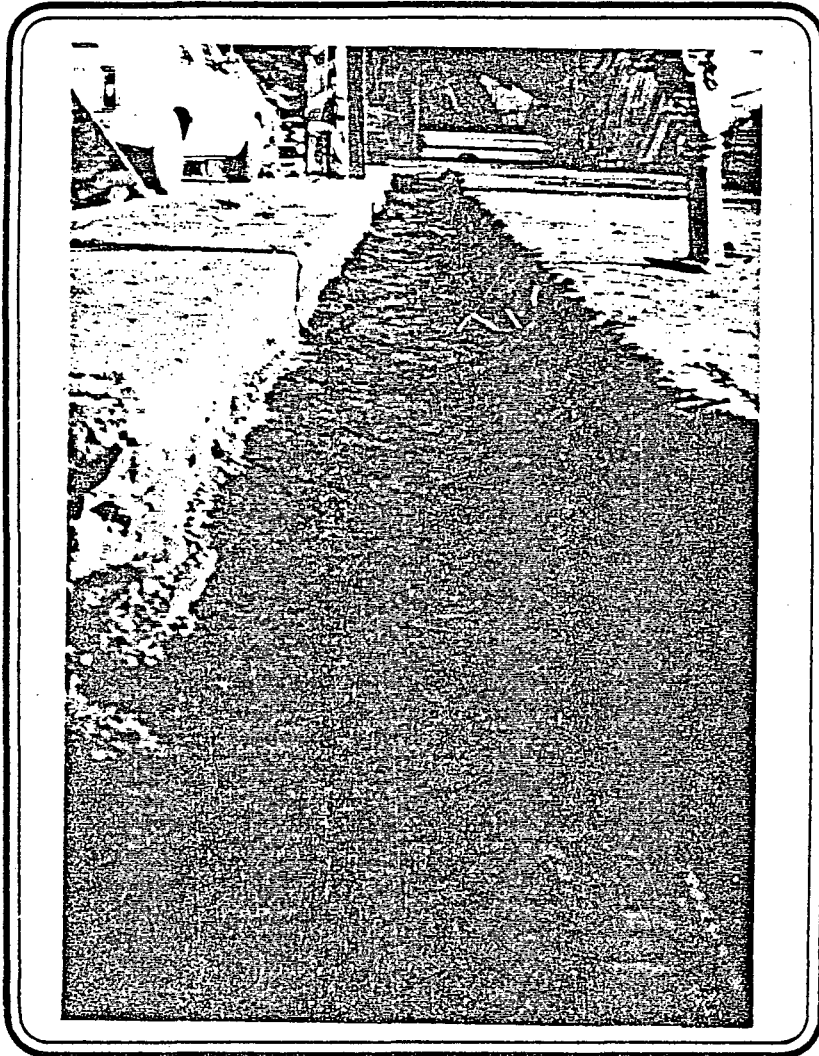
GABION WALL



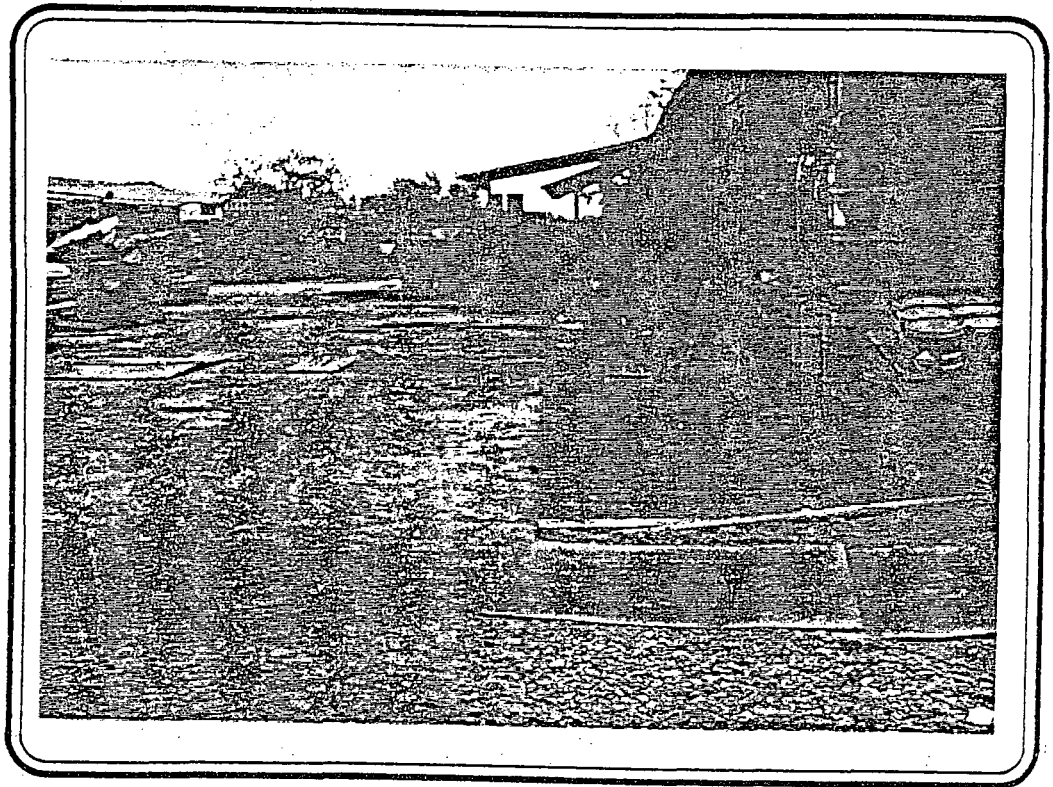
GABION WALL



PIPE INSTALLATION
MH TO CB3



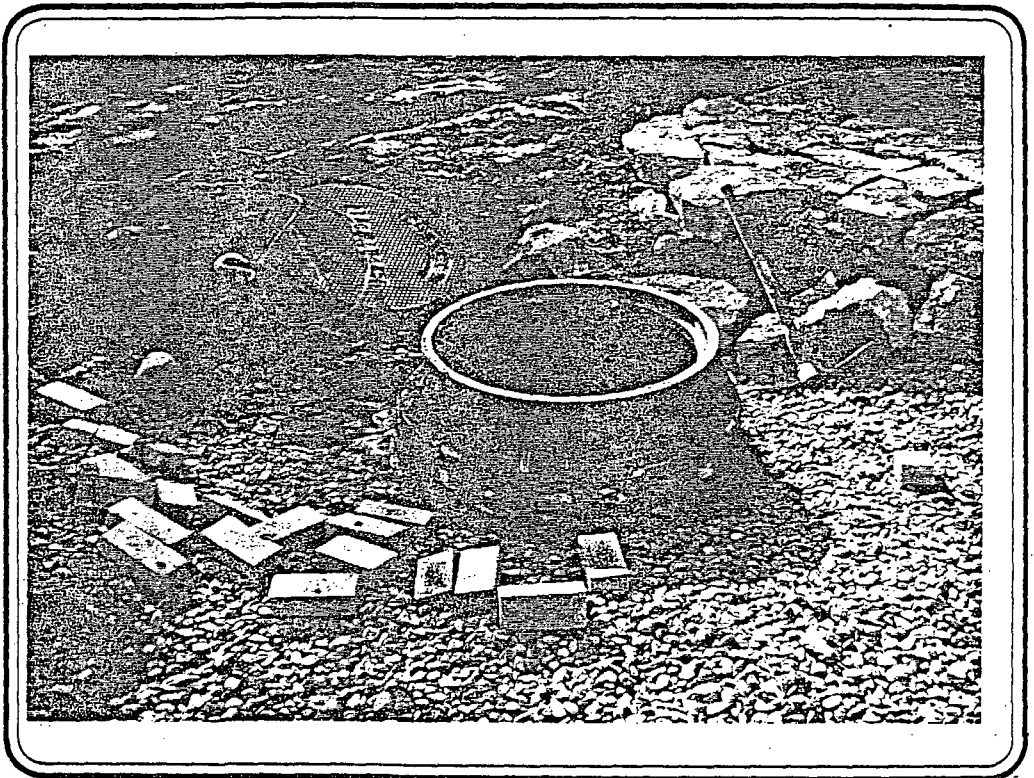
COMPACTED BACKFILL
CB2 TO CB4



CONCRETE RESTORATION
CB3 TO CB1



CATCHBASIN



MANHOLE