



N. C. DEPT. OF NATURAL
RESOURCES AND
COMMUNITY DEVELOPMENT

SEP 15 1992

DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE

September 14, 1992

Mr. Allen Schiff
NCDEHNR-Mooresville Regional Office
919 N. Main Street
Mooresville, North Carolina 28115

RE: Copes-Vulcan of Charlotte, Inc.
601 West Summit Avenue
Charlotte, North Carolina

Dear Allen,

Enclosed please find one copy of the closure assessment report for referenced facility. Should you have any questions regarding this report, please contact the undersigned.

Sincerely,



Kenneth E. Czoer

Enclosures

KC:kc

CC: Mr. John Barr
File

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**DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE**

CLOSURE ASSESSMENT REPORT

**Copes Vulcan Incorporated
601 West Summit Avenue
Charlotte, North Carolina 28237**

**Prepared by: CBM ENVIRONMENTAL SERVICES INC.
627 Minuet Lane, Suite E
Charlotte, North Carolina 28217**

**Kenneth E. Czoer, Project Manager
September 11, 1992**

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1.0 Introduction

CBM Environmental Services, Incorporated was retained by Copes-Vulcan of Charlotte, Incorporated to perform a closure by removal of two (2) underground storage tanks at their facility located at 601 West Summit Avenue in Charlotte, North Carolina. These tanks were located in two separate areas on the property as illustrated in Figure 1, Appendix A.

Notice of Intent to close these tanks had been submitted previously by CBM as required by NCDEM. A copy of this document is included in Appendix B. The tanks were cleaned, and removed by CBM on July 8, 1992.

2.0 Field Activities

The first tank to be removed was a 280 gallon tank, identified as tank A on Figure 1, and was used as a waste oil tank. The status of the tank at the time of removal was inactive as the entire Copes-Vulcan facility had been shut down. During excavation, no sign of a discharge was observed. The tank did not have any signs of leaks upon removal. Samples were taken from the excavation immediately beneath the tank as indicated in Figure 1.

The second tank removed, identified as tank B in Figure 1, was 500 gallons in volume and had been used to catch drippings from spillage of new cutting oil stored in the building adjacent to the tank. At the time of removal, the tank had been abandoned for several years. The vent line had been cut off at ground level. Copes-Vulcan personnel informed CBM Environmental that the tank had been out-of-service for several years at the time of removal and had been filled with sand.

During removal of this tank, petroleum stained soil and a strong petroleum odor was observed in the soil near the vent line and immediately surrounding the tank. The tank was also observed to be filled with water. Field observations indicated that it was likely that the tank had filled with water through surface runoff entering the tank through the cut-off vent lines and, eventually, the tank filled with water to a point where the cutting oils stored in the tank were displaced. Outside the immediate area of the tank excavation, staining of the soil was limited to the upper three feet below ground level. This soil consisted primarily of a clay and as a result limited the migration of the product.

No ground water was encountered in either excavation. Soil which was stained with hydrocarbons from tank B was excavated and stockpiled on visqueen pending disposal. Approximately 4 yards of soil were removed.

Samples of the soil from immediately beneath tank B were collected during removal from locations indicated in Figure 1.

3.0 Results

Results of analyses performed on all the soil samples are presented in Appendix C. As indicated, no contamination was detected in the samples collected from tank area A. This excavation was backfilled with clean fill.

Results of analyses from area B indicated the presence of petroleum contamination as anticipated from field observations.

4.0 Tank Disposal

Following removal of the tanks, both were disposed of by Tanks, Incorporated, a permitted tank disposal facility. A

manifest for the disposal of these tanks is included in Appendix B.

5.0 Conclusions

As indicated in the data presented above, petroleum contamination was encountered during the removal of one of two underground storage tanks at the Copes-Vulcan facility. The extent of this contamination had not been determined. Additional work will be required to determine the extent of this contamination.

Appendix A

MERRIMAN AVENUE

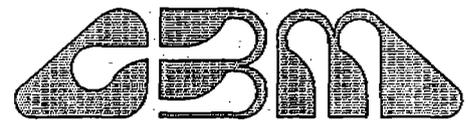
RCH ST.

• ——— SAMPLE LOCATIONS



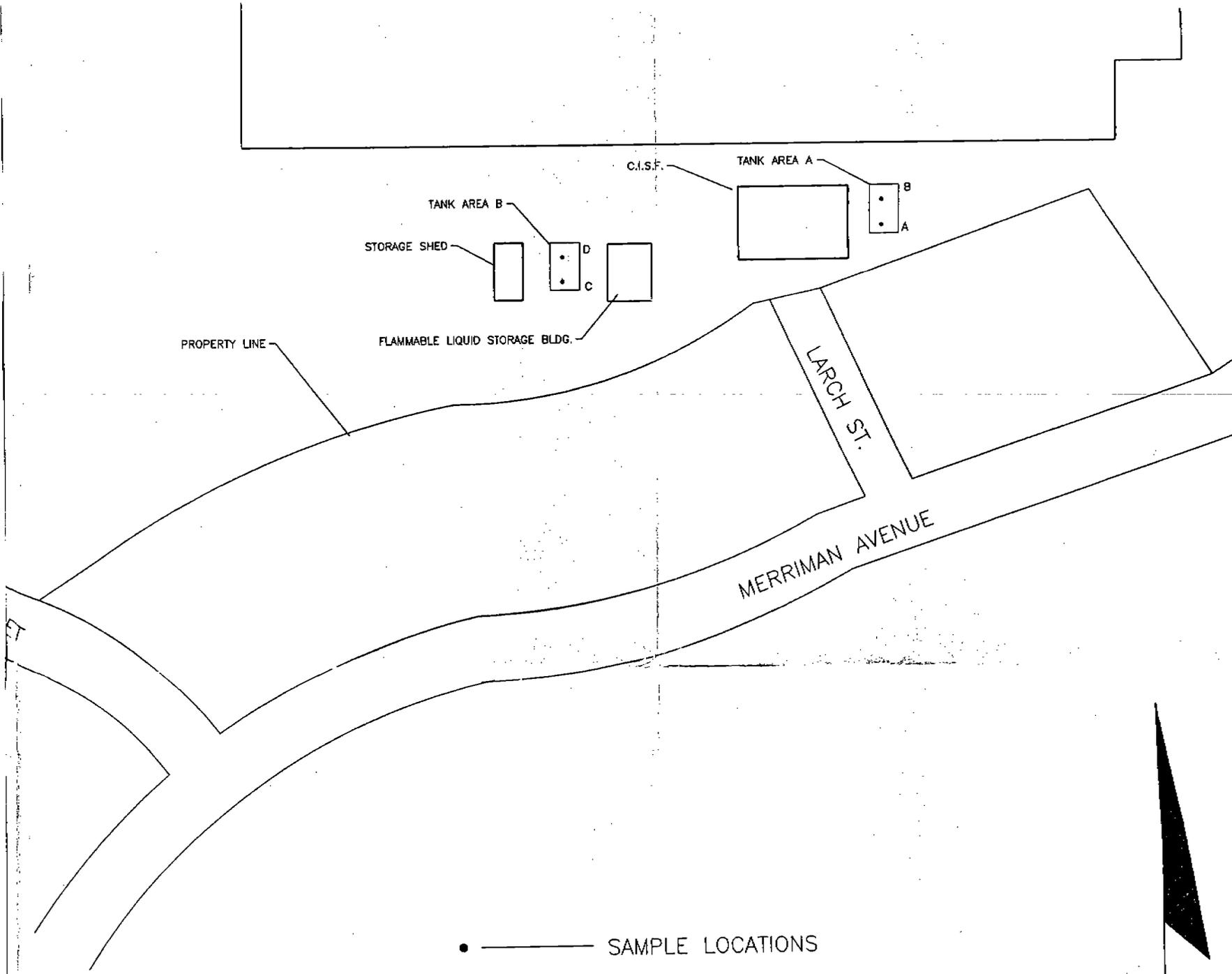
0 60 180

SCALE: 1" = 60'



ENVIRONMENTAL SERVICES
627 MINUET LN. SUITE E
CHARLOTTE, N.C. 28217
(704) 527-4391

WHITE CONSOLIDATED INDUSTRIES INC,
"COPES-VULCAN CHARLOTTE"
CHARLOTTE, N.C.



Appendix B

(GW/UST-3)

Notice of Intent: UST Permanent Closure or Change-In-Service

FOR TANKS IN NC

Return Completed Form To: The appropriate DEM Regional Office according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only I. D. Number Date Received

INSTRUCTIONS

Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: COPEL-VULCAN OF CHARLOTTE
Street Address: 601 West Summit Avenue
County: Mecklenburg
City: Charlotte State: NC Zip Code: 28237
Tele. No. (Area Code): 704-376-5511

II. LOCATION OF TANK(S)

Facility Name or Company COPEL-VULCAN OF CHARLOTTE
Facility ID # (if available) Unknown
Street Address or State Road: 601 West Summit Avenue
County: Mecklenburg City: Charlotte Zip Code: 28237
Tele. No. (Area Code): 704-376-5511

III. CONTACT PERSON

Name: Gary Dawson Job Title: Facility Engineer Telephone Number: (704) 376-5511

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

- 1. Contact Local Fire Marshall.
2. Plan the entire closure event.
3. Conduct Site Soil Assessments.
4. If Removing Tanks or Closing in Place refer to API Publications. 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks".
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Fill out form GWUST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
7. Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: CBM ENVIRONMENTAL SERVICES, INC.
Address: 627 Minuet Lane, Suite E State: Charlotte, NC Zip Code: 28277
Contact: Ken Czoer Phone: 704-527-4391

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Table with columns: TANK ID#, TANK CAPACITY, LAST CONTENTS, PROPOSED ACTIVITY (CLOSURE, CHANGE-IN-SERVICE). Includes rows for Tank 1 (Motor Oil) and Tank 2 (Used Oil).

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Ken Czoer - Director Environmental Services
Signature: [Handwritten Signature]
*Scheduled Removal Date: 07/24/92
Date Submitted: 06/24/92

*If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.



P.O. BOX 250 DEARMANVILLE, ALABAMA 36257

EPA Federal ID# 63-0948333

Certificate of Disposal

Tank # Non-Legible Size 150 Gallon

This is to certify that the above tank has been disposed of by Tanks, Inc., in accordance with and exceeding EPA regulations on Petroleum Tank Disposal.

Certified by

William J. Clay

Date 8/24/92



P.O. BOX 250 DEARMANVILLE, ALABAMA 36257

EPA Federal ID# 63-0948333

Certificate of Disposal

Tank # 0 560860

Size 300 Gallon

This is to certify that the above tank has been disposed of by Tanks, Inc., in accordance with and exceeding EPA regulations on Petroleum Tank Disposal.

Certified by

Walter J. Chey

Date

8/24/92

Appendix C

PRISM LABORATORIES, INC.
P.O. Box 240543
Charlotte, N.C. 28224-0543
(704)529-6364

July 17, 1992

CBM Environmental Services
Attn: Debbie LaFlamme
627 Minuet Lane, Suite E
Charlotte, NC 28217

Dear Ms LaFlamme:

Below are results of analysis of 4 samples received for examination on July 8, 1992:

Customer Code: CBM Phone Number: (704)527-4391/FAX (704)527-0273
LAB I.D. AA11995 Prism ID Number 1245A4 Prism Customer Number 6645
Collection Date: 07/08/92 Collection Time: 09:30
Submittal Date: 07/08/92 Submittal Time: 14:25
Customer Sample I.D#: A

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	< 10.	10.

Comments:
PO# 1326
Client Project Name: Copes Vulcan
Client Project #: 1529

Customer Code: CBM Phone Number: (704)527-4391/FAX (704)527-0273
LAB I.D. AA11996 Prism ID Number 1245A4 Prism Customer Number 6645
Collection Date: 07/08/92 Collection Time: 09:30
Submittal Date: 07/08/92 Submittal Time: 14:25
Customer Sample I.D#: B

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	< 10.	10.

CBM Environmental Services

Page: 2

July 17, 1992

Customer Code: CBM Phone Number: (704)527-4391/FAX(704)527-0273
LAB I.D. AA11997 Prism ID Number 1245A4 Prism Customer Number 6645
Collection Date: 07/08/92 Collection Time: 10:30
Submittal Date: 07/08/92 Submittal Time: 14:25
Customer Sample I.D#: C.

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	29.	10.

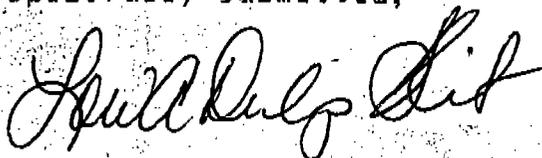
Customer Code: CBM Phone Number: (704)527-4391/FAX(704)527-0273
LAB I.D. AA11998 Prism ID Number 1245A4 Prism Customer Number 6645
Collection Date: 07/08/92 Collection Time: 10:30
Submittal Date: 07/08/92 Submittal Time: 14:25
Customer Sample I.D#: D.

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
PETROLEUM HYDROCARBONS, #9071	mg/kg	6647.	10.

Comments:

Please advise should you have questions concerning these data.

Respectfully submitted;



Lori A. Dunlap-Flint
Laboratory Supervisor

