

**Underground Storage
Tank Removal Report
American National Can Company
Former Oakland, California Facility**

January, 1995

Prepared for:

**American National Can Company
Chicago, Illinois**

Prepared by:

**RUST Environment & Infrastructure
695 River Oaks Parkway
San Jose, California 95134**

RUST Project No. 35195.624

QUALITY



INTEGRITY



CREATIVITY



RESPONSIVENESS

**RUST ENVIRONMENT &
INFRASTRUCTURE**



January 30, 1995

Barney Chan
Hazardous Materials Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502

Dear Mr. Chan:

Subject: Area 2 Underground Storage Tank Removal Report
Former ANC Facility, Oakland, CA

Enclosed is a copy of the subject report, covering the field activities performed in conjunction with the tank removal. The final disposition of contaminated soil awaits additional excavation and post-excavation confirmatory sampling. A follow-up report covering those items will be provided as soon as those activities are finalized.

If you have any questions, please call me.

Very truly yours,



Edward W. Alusow
Senior Project Manager

Enclosure

cc: J. Moran, Esq., ANC
J. Peters, ANC
E. Rawlings, ANC
J. Kessler, HSA
R. Creps, PES

R. Williams, Kmart
D. Bruegel, Esq., Dickinson, Wright
R. Arulananthum, SFBRWQCB
S. Arigala, SFBRWQCB

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- Attachment B: Shipping Manifests and Disposal Documentation
- Attachment C: Laboratory Report and Chain of Custody Document

1.0 INTRODUCTION

RUST Environment and Infrastructure (RUST E&I) is pleased to present the results of the underground storage tank (UST) removal activities completed at the former American National Can (ANC) facility located on 3801 East 8th Street, Oakland, California (see Figure 1). RUST E&I was directed by ANC in November, 1994, to provide technical assistance and direct supervision for the removal one (1) inactive 15,000 gallon, single-walled steel, diesel (heating oil) UST system from site area 2. Area 2 was previously described in a 1991 subsurface investigation report by Dunn Geoscience Corporation (Dunn) as the small triangular parcel adjacent to East 8th Street, where the UST was located. Area 2 is shown on Figure 2.

The general contractor responsible for the UST removal activities was Hazardous Remedial Services, Inc. (HRS) of San Jose, California. It is RUST E&I's understanding that ANC attempted to remove this tank in early 1987, however, physical obstacles and its relative proximity to various utilities prevented its removal. Subsequently, the tank was backfilled with a cement/bentonite grout mixture and closed in place.

The scope of services for this project included: project permitting; site health and safety plan development and implementation; regulatory agency coordination; site reconnaissance; utility location; UST excavation, removal and transporting activities; soil sampling and chemical analyses; and the preparation of a written closure report documenting the above mentioned services and our findings, conclusions, and recommendations. These services were provided by the various companies mentioned in the text of this report. A copy of the UST removal permit is included as Attachment A.

2.0 SITE CONDITIONS

The following information is intended to provide a general background of the facility and knowledge obtained during previous investigations, as they relate to the removal of the subject underground storage tank.

2.1 Site Settings and History

This site occupies approximately 16 acres of land in a relatively commercial/ industrial area of Oakland, California (see Figure 2). The subject property was reportedly used by ANC for the manufacturing of food and beverage cans from the early 1900's until 1988, when manufacturing activities were apparently ceased. The site was subsequently used for warehousing purposes until its recent and ongoing demolition.

2.2 Previous Site Investigation and Suspected Contamination

Evidence of petroleum or other related subsurface contamination was reportedly encountered during the previous tank removal/abandonment activities. This suspected contamination was thought to be related to a previous UST release or surface spill, although the exact source was unknown.

2.3 Local Geology and Hydrogeology

Soil samples obtained from previous investigative borings (RUST E&I / DUNN) indicate that fill materials of varying thickness are present from the ground surface to an approximate depth of 10 feet below surface grade (fbsg). These materials predominantly consist of a gravel, sand and clayey-silt mixture. Soil below the fill layer was classified as part of a fluvial unit of stiff silts and clays, with occasional thin layers, partings and seams of coarser sediments to the maximum extent of the investigative borings (i.e., approximately 28 fbsg).

Shallow groundwater is present in this area at depths ranging from 10 to 13 fbsg. Local groundwater wells indicate a relatively steep gradient to the south, although low soil permeability exists.

3.0 FIELD INVESTIGATIONS

On November 29, 1994, RUST E&I mobilized on-site to begin overseeing UST removal services. Approximately 110 gallons of fuel oil and water were initially removed from the UST system through the fill port location by Evergreen Environmental Services (EES), one of HRS's subcontracted vacuum services and liquid waste transporter. This material was transported off-site by EES, as a non-RCRA hazardous waste liquid, to Evergreen Oil, Inc., of Newark, California, for proper disposal/recycling (see Attachment B: State of California Manifest Document No. 92855200).

HRS commenced tank excavation activities following the completion of the above mentioned vacuum services. Soils were initially excavated around the perimeter of the UST with a backhoe to an approximate depth of 8 fbsg, or as required to expose the midline of the UST. Field notes indicate that soil contamination was apparently encountered in the area surrounding the fill port location, which was most likely attributable to surface spillage and product overfills. Additional soil excavation was completed on the west side of the UST to facilitate removal activities. This excavation continued to an approximate depth of 13 fbsg, exposing the entire tank side. Excavated soils were segregated and stockpiled accordingly in an adjacent staging area constructed according to RUST E&I specifications.

Groundwater was encountered in the excavation at an approximate depth of 12 -13 fbsg.

On December 1, 1994, RUST E&I personnel supervised the continued excavation of the UST area. A small quantity of product (estimated 5 gallons) was released from the tank to the water table as work crews proceeded to open the tank top to expose and remove the abandonment grout

material. This product remained floating on the water table until Erikson, Inc. (Erikson), of Richmond, California, arrived on-site to dewater the excavation. Erikson removed approximately 1500 gallons of liquid from the excavation which was then transported by Erikson to Gibson Oil / Pilot Petroleum, of Redwood City, California, as RQ Hazardous Waste Liquid (see Attachment B: State of California Manifest Document No. 9348032). Field notes indicated that the exposed tank abandonment material appeared to be a sand grout or decomposed sand/cement material.

On December 2, 1994, RUST E&I personnel arrived on-site to supervise the removal of the UST and the continued dewatering of the excavation. Universal Environmental (Universal), of Richmond, California, was subcontracted by HRS to dewater the excavation on this date by removing approximately 600 gallons of potentially contaminated liquid. This material was transported by Universal to Gibson Oil / Pilot Petroleum, of Redwood City, California, as RQ Hazardous Waste Liquid (see Attachment B: State of California Manifest Document No. 93784745).

The UST was removed shortly after the above mentioned dewatering efforts. Observing the UST removal activities were Richard Burzinski of RUST E&I, Scott Seery of the Alameda County Department of Environmental Health (ACDEH), and Larry James of the City of Oakland Fire Department (OFD). A copy of the ACDEH underground tank removal inspection form is provided in Attachment A. The UST was rendered inert prior to tank removal activities using approximately 50 pounds of dry ice. Oxygen measurements were obtained by HRS personnel using a lower explosive limit (LEL) meter. The UST was certified a non-RCRA hazardous waste solid following its removal and was transported by Erikson to their facility in Richmond, California for destruction. The uniform waste manifest is provided as Attachment B.

Visual inspection of the tank after its removal confirmed the single walled-steel construction with a tar/asphalt wrap. No apparent holes were detected in the tank sides or end panels. It should be noted that actual measurements indicate a tank volume of 12,000 gallons, not the 15,000

gallon originally indicated. It should also be noted that no product piping was encountered during excavation and removal activities.

The excavation, which measured approximately 30 feet long by 10 feet wide by 13 feet deep, was backfilled the same day with the previously excavated abandonment soils. This was done as a site safety measure due to the proximity of the UST excavation to East 8th Street, and impending storm fronts.

4.0 INVESTIGATIVE SAMPLING

Two (2) soil samples ("NORTH" and "SOUTH") were obtained at depths of 8.5 fbsg±, approximately 3 feet from the ends of the former UST location (see Figure 3). These soil samples were submitted to Incape Testing Services of San Jose, California, a state certified analytical laboratory, for analysis of total petroleum hydrocarbons as diesel fuel (TPH-D) using the California Department of Health Services approved GCFID method, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. Laboratory method reporting limits of 10 milligrams per kilogram (mg/kg) and 0.005 mg/kg were used for the respective analyses.

5.0 LABORATORY RESULTS

Laboratory analytical test results indicate that no TPH-D or BTEX contamination was found in those samples submitted, at or above the reported detection levels. The results of the analytical testing and the specific detection limits are summarized in Table 1. The laboratory report and chain of custody documentation is presented in Attachment C.

6.0 CONCLUSIONS

One (1) 12,000 gallon, single-walled steel, heating oil UST system was removed from the site and transported off site as a non-RCRA hazardous waste solid for proper disposal. Soil samples obtained below the former UST location did not indicate the presence of petroleum hydrocarbon contamination at or above the reported laboratory detection limits.

The remediation of any hydrocarbon contaminated soil by excavation is addressed in RUST E&I's Remedial Work Plan dated December 13, 1993, previously submitted and approved by both the San Francisco Bay Regional Water Quality Control Board and the Alameda County Department of Environmental Health.

7.0 LIMITATIONS

The data, information, interpretations, and recommendations contained in this technical report are presented solely as a preliminary basis and guide to the existing environmental conditions of Area 2 of the former ANC site. The conclusions and professional opinions presented herein were developed by RUST E&I in accordance with generally accepted engineering principles and practices. As with all geotechnical and environmental reports, the opinions expressed here are subject to revisions in light of new information which may be developed in the future, and no warranties are expressed or implied.

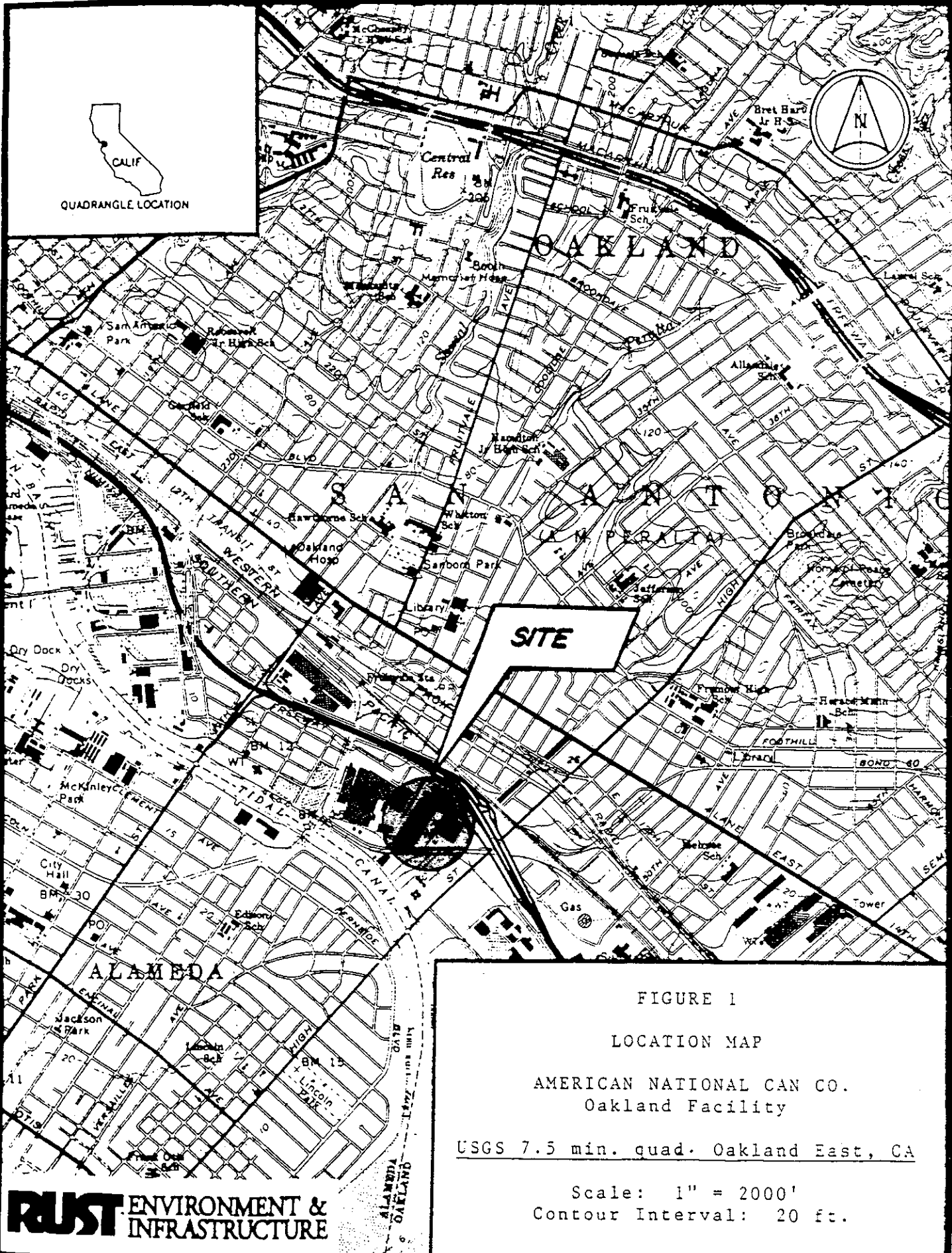
This report has not been prepared for use by parties other than ANC and the Alameda County Department of Environmental Health. It may not contain sufficient information for the purposes of other parties or other uses. If any changes are made in the project as described in this report, the conclusions and recommendations contained herein should not be considered valid, unless the changes are reviewed by RUST E&I, and the conclusions and recommendations are modified or approved in writing.

Soil deposits may vary in type, strength and many other important properties between points of observation and exploration. Additionally, changes can occur in groundwater and soil moisture conditions due to seasonal variations, or for other reasons. Furthermore, the distribution of chemical concentrations in the soil and groundwater can vary spatially and over time. The chemical analysis results, valid as of the time of collection only, are based on data collected at the sampling locations only. Therefore, it must be recognized that RUST E&I does not and cannot have complete knowledge of the subsurface conditions underlying the subject site. The opinions presented are based upon the findings at the points of exploration and upon interpretative data, including interpolation and extrapolation of information obtained at the points of observation.

Table 1

Soil Samples - Analytical Chemistry Results
3801 East 8th Street
Oakland, California

Parameter	Units	Sample No.: NORTH Sample Date: 12/02/94	Sample No.: SOUTH Sample Date: 12/02/94
Total Petroleum Hydrocarbons as diesel	mg/Kg	<10	<10
Benzene	mg/Kg	<.005	<.005
Toluene	mg/Kg	<.005	<.005
Ethylbenzene	mg/Kg	<.005	<.005
Xylenes, total	mg/Kg	<.005	<.005



CALIF
 QUADRANGLE LOCATION



SITE

FIGURE 1

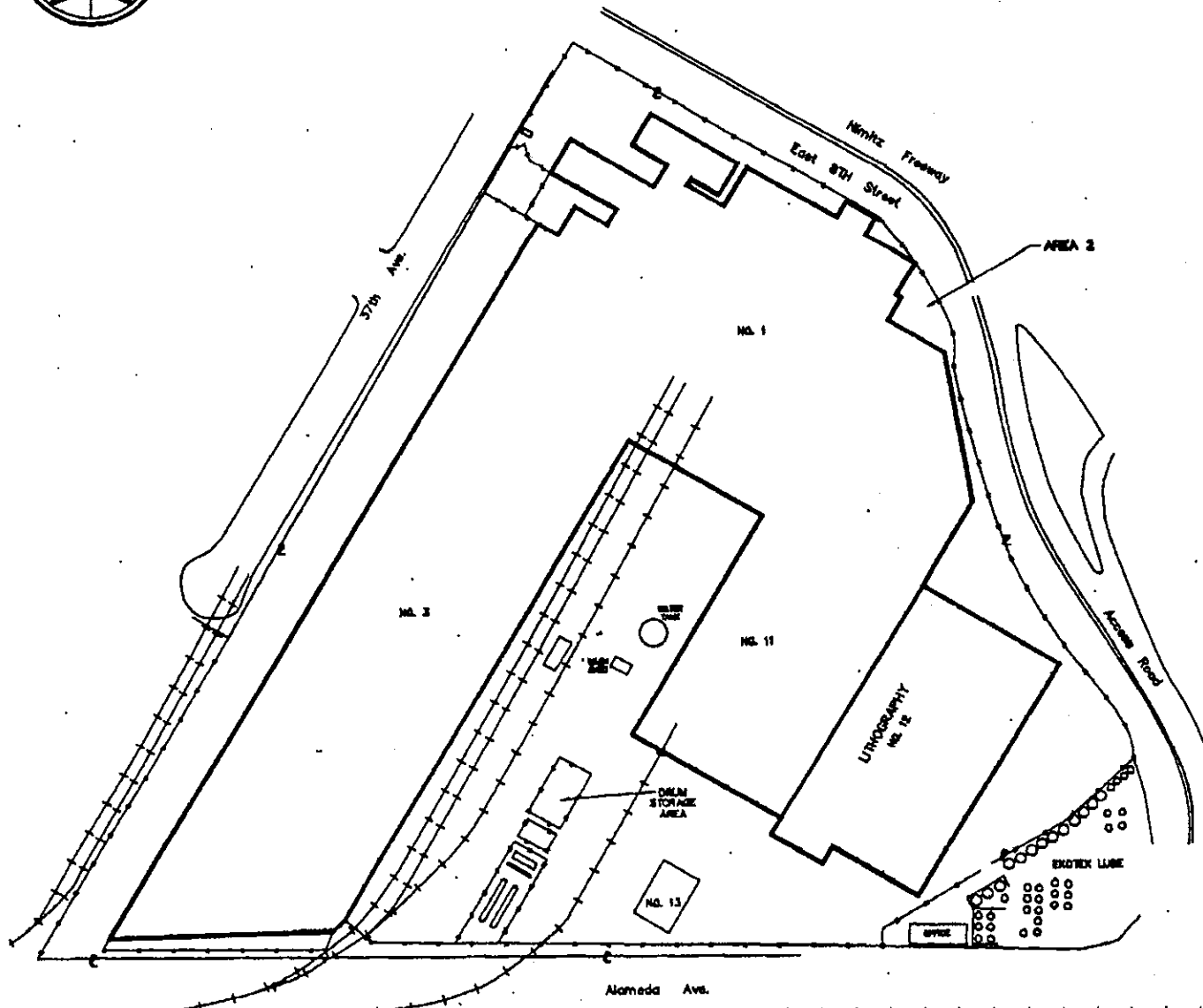
LOCATION MAP

AMERICAN NATIONAL CAN CO.
 Oakland Facility

USGS 7.5 min. quad. Oakland East, CA

Scale: 1" = 2000'
 Contour Interval: 20 ft.

RUST ENVIRONMENT &
 INFRASTRUCTURE



		SITE MAP	
		AMERICAN NATIONAL CAN CO. FORMER OAKLAND, CALIFORNIA FACILITY TOWN OF OAKLAND ALAMEDA COUNTY, CA	
PROJECT NO. 35195.108	DATE 1/30/95	DWG. NO. 35195-17	SCALE 1"=200'
			FIGURE NO. 2

LEGEND

TW-1
● PREVIOUS MONITORING WELL LOCATION

SB-18
○ PREVIOUS SOIL BORING LOCATION

NORTH
⊕ SOIL SAMPLE LOCATION

FORMER STACK

MW-13

10" WATER MAIN SERVICE

SB-18A

SB-18

MW-15

GW-6

TW-1

NORTH

UST

SOUTH

were Gw-6 + TW-1 destroyed?



RUST ENVIRONMENT & INFRASTRUCTURE

UST AND SOIL SAMPLE LOCATION MAP

ANC - OAKLAND

PROJECT NO. 35195.108

DATE 1/95

SCALE IN FEET
0 10 20

FIGURE NO. 3

49249_5

ATTACHMENT A:

**HAZARDOUS MATERIAL INSPECTION FORM
TANK REMOVAL PERMIT**

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

II, III

white -env.health
yellow -facility
pink -files

Site ID # _____ Site Name Am Nat'l Can Today's Date 12/2/94

Site Address 3001 E. 8th Street
City Oakland Zip 94601 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

On-site to observe removal of ~15,000 gallon "heating oil" UST, previously decommissioned in place in 1986 by filling with (reported) ~~grout~~ ^{concrete} grout. (Upon arrival the UST had already been opened along its top axis for most of its length to facilitate removal of its contents.)

Richard Burzinski (Wahler/RUST), R. Keith Dorsa (HSR, Inc.), Jenny Han (PES Env.), and Larry James (COFD) were present during removal.

The tank now structurally compromised, was dragged from the excavation using two tracked excavators, where it was "cleaned" of excess material adhering to its exterior surfaces. The UST was still substantially tar coated. Although this inspector did not observe this directly, Mr. Dorsa reports that several holes were identified along the upper, south flank of the UST.

Water was observed in the pit (possible infiltration) on which black (apparent) product was floating.

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stas. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OnSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General**
- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soil
 - 3) Daily Vadose
 - One time soil
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soil
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank test
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____
- 7. Precs Tank Test 2643
 - Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647
- New Tanks**
- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711
 - Date: _____
- 14. As Built 2635
 - Date: _____

Contact: Richard Burzinski
 Title: Wahler/RUST
 Signature: [Signature]

Inspector: S. Seery
 Signature: [Signature]

II, III

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Am Nat'l Con Today's Date 12/21/94

Site Address 3801 E. 8th St.

City Oakland Zip 94601 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Exposed material was discolored (green) and odorous. One sample was collected from underlying sediments from below each end of the UST invert, one (1) from the north end, one (1) from the south. An attempt was made to bring non-discolored material to the surface for sampling. Hence, samples were comprised of a tan sandy silt.

As no product conveyance piping was reportedly encountered, it was theorized that such piping may have been located at grade, or even overhead, from the UST to the facility.

The pit was to be temporarily backfilled, pending overexcavation, to prevent casing along 8th Street side.

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stas. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OnSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

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- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670

- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
Semi-annual groundwater
One time soil
 - 3) Daily Vadose
One time soil
Annual tank test
 - 4) Monthly Groundwater
One time soil
 - 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/groundwater mon.
 - 6) Daily Inventory
Annual tank testing
Cont pipe leak det
 - 7) Weekly Tank Gauge
Annual tank testing
 - 8) Annual Tank Testing
Daily Inventory
 - 9) Other _____

- 7. Precs Tank Test 2643
Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water 2647

- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711
Date: _____
- 14. As Built 2635
Date: _____

Monitoring for Existing Tanks

New Tanks

Rev 6/88

Contact: Richard Burzinski
 Title: Wabler/RUST
 Signature: Richard Burzinski

Inspector: S. Seery
 Signature: _____

II, III

Excavation Permit Granted No.

No.

CITY OF OAKLAND

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9889

Oakland, California

November 30,

19 94

PERMISSION IS HEREBY GRANTED TO remove gasoline tank and excavate commencing 8 feet inside line

on the WEST side of East 8th Street Street 8th Avenue 8th Street 8th Avenue

House No. 3801 East 8th Street Street 8th Avenue 8th Avenue Present Storage 1

Owner American National Can Address 8770 Bryn Mawr Chicago 60631 Phone 518-458-1313

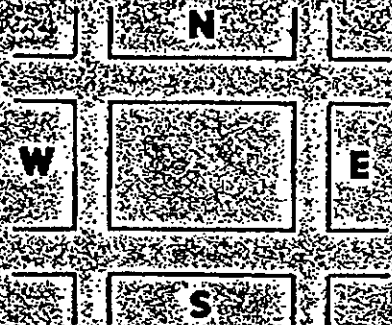
Applicant HSR, Inc. Address 3851 Charter Park Dr. Ste. A San Jose 95136 Phone 408-265-4300

Dimensions of street (sidewalk) surface to be disturbed 7 Number of Tanks 1 Capacity 15,000 Gallons each

marks

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flames to be on or near premises.

Approved _____ Fire Marshal
Approved _____ Drainage Division Engineering Dept



EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 4-2.04

_____ square feet of digging or removal granted.
The receipt of \$ _____ special deposit is hereby acknowledged.
GENERAL DEPOSIT.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

BUREAU OF PERMITS AND LICENSES

Fire Marshal

Inspection Fee Paid 150.00 ck#006931 rec#711931
Received by A. Fucles

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.
When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

JAN 20 1995 15:08 408 265 1664 HSR INC

ATTACHMENT B:

SHIPPING MANIFESTS AND DISPOSAL DOCUMENTATION

92855200
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9300. WITHIN CALIFORNIA, CALL 1-800-832-7350.
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD100171621116	Manifest Document No. 55200	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address EVERGREEN OIL, INC. 6980 Smith Avenue Newark, CA 94560			A. State Manifest Document Number 92855200		
4. Generator's Phone (7-12654300)			B. State Generator's ID EXEMPT		
5. Transporter 1 Company Name EVERGREEN ENVIRONMENTAL SERVICES		6. US EPA ID Number CAD980895781		C. State Transporter's ID 431226	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (510) 795-4400	
9. Designated Facility Name and Site Address EVERGREEN OIL, INC. 6980 Smith Avenue Newark, CA 94560		10. US EPA ID Number CAD980887418		E. State Facility's ID 92855200	
				F. Facility's Phone (510) 795-4400	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. OIL + WATER NON-RCRA HAZARDOUS WASTE, LIQUID		No. Type 0 0 1 T T		001110	G
b.					
c.					
d.					
15. IN EMERGENCY CALL CHEMPREC 1-800-424-9300 DOT ERG 31 WEAR PROTECTIVE EQUIPMENT		K. Handling Codes for Wastes Listed Above			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Richard Burrows		Signature <i>Richard Burrows</i>		Month Day Year 1 1 94	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name JAMES KELLY		Signature <i>James Kelly</i>	
18. Transporter 2 Acknowledgement of 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		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

93784745
 THE REGIONAL RESPONSE CENTER WITHIN CALIFORNIA, CAL 1-800-852-7550
 MERCURY OIL, USE FACILITY
 GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1D1010911612111681471415		Manifest Document No. 1 of 1		2. Page 1		Information in the shaded areas is not required by Federal law.																			
3. Generator's Name and Mailing Address American National Can Co. 201 E. 9th St. Columbia, MO 65201						A. State Manifest Document Number 93784745																					
4. Generator's Phone (with area code) (314) 741-1100						B. State Generator's ID																					
5. Transporter 1 Company Name UNIVERSAL ENVIRONMENTAL			6. US EPA ID Number CA000101061211			C. State Transporter's ID 430546																					
7. Transporter 2 Company Name						D. Transporter's Phone (707) 747-6699																					
8. US EPA ID Number						E. State Transporter's ID																					
9. Designated Facility Name and Site Address Kinross Oil Field Production 475 So. First Blvd. Fresno, CA 93713						F. Transporter's Phone																					
10. US EPA ID Number CA1D1010911612111681471415						G. State Facility's ID																					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number															
a. Hydrocarbon Mixture with Water (99% Water) (Benzene)						No. 001		Type T10		Quantity 600		Unit Wt/Vol G		State													
b. 7 NITROZ, 1,1,1,1,1 PENT FLUORO ETHER												EPA/Other		State													
c.												EPA/Other		State													
d. HAZ (MS)												EPA/Other		State													
17. Additional Descriptions for Materials Listed Above Hydrocarbon Mixture with Water (99% Water) (Benzene) Hydrocarbons PRO FILE # 10001						K. Handling Codes for Wastes Listed Above																					
15. Special Handling Instructions and Additional Information Ground Oil Water Stream profile # 11001 61071 2116. Current 2156 Dams - 1102 7101 1101/105-1100 1011 17371						a.																					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						b.																					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						c.																					
Printed/Typed Name Richard Brown						Signature <i>[Signature]</i>						Month 12		Day 02		Year 74											
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name WILL ELLIS						Signature <i>[Signature]</i>						Month 12		Day 02		Year 74					
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature						Month		Day		Year					
19. Discrepancy Indication Space																											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Printed/Typed Name						Signature						Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

964613

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
		CIA1D101071162111681031217				
3. Generator's Name and Mailing Address American National Can Co. 3801 E. 54th St. Cullman, GA 31601			A. State Manifest Document Number 53480327			
4. Generator's Phone (403) 215-4300			B. State Generator's ID			
5. Transporter 1 Company Name Erickson INC		6. US EPA ID Number CIA1D1010191461613912		C. State Transporter's ID 430348		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 510-235-1393		
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801		10. US EPA ID Number 1940999466999		G. State Facility's ID CAD009466392 CIA1D1010181817418 (DS)		
				H. Facility's Phone (510)235-1393		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON-RCFA Hazardous Waste Solid Waste Empty Storage Tank.		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste Number	
		2101	T/P	1121000	P	State 512 EPA/Other NONE
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
J. Additional Descriptions for Materials Listed Above Qty. 1 Empty Storage Tank(s) # 15017 Tank(s) have been inerted with 15 lbs. Dry Ice Per 1000 Gallon Capacity.			K. Handling Codes for Wastes Listed Above a. HAZARDOUS b. HAZARDOUS c. 12-2-94 d.			
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hard hats when working around U.G.S.T.'s 24 Hr. Contact Name: K. U. Deen-HRS Phone 403/215-4300						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Richard Burgess, Jr. American National Can Co.		Signature Richard Burgess, Jr. American National Can Co.		Month 11	Day 12	Year 94
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert Noia		Signature Robert Noia		Month 11	Day 12	Year 94
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name DAVID SATO						
Signature DAVID SATO		Signature DAVID SATO		Month 12	Day 01	Year 94

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS
 (Generators who submit hazardous waste for transport out-of-state produce completed copy of this copy and send to DTSC within 30 days)

ATTACHMENT C:

LABORATORY REPORT AND CHAIN OF CUSTODY DOCUMENT



Inchcape Testing Services

Anametrix Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95131
 Tel: 408-432-8192
 Fax: 408-432-8198

MR. WALTER HOWARD
 RUST ENVIRONMENT AND INFRASTRUCTURE
 12 METRO PARK ROAD
 ALBANY, NY 12205

Workorder # : 9412020
 Date Received : 12/02/94
 Project ID : 35195.624
 Purchase Order: E-25237

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9412020- 1	NORTH
9412020- 2	SOUTH

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Susan Kraska Yeager

Susan Kraska Yeager
 Laboratory Director

12-13-94

Date

Cristina V. Mayberry

Project Manager

This report consists of 13 pages.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9412020
Date Received : 12/02/94
Project ID : 35195.624
Purchase Order: E-25237
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

Charles Balmer
Department Supervisor

12/2/94
Date

CPK
Chemist

12/05/94
Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9412020
Date Received : 12/02/94
Project ID : 35195.624
Purchase Order: E-25237
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412020- 1	NORTH	SOIL	12/02/94	BTEX
9412020- 2	SOUTH	SOIL	12/02/94	BTEX
9412020- 1	NORTH	SOIL	12/02/94	TPHd
9412020- 2	SOUTH	SOIL	12/02/94	TPHd

Matrix Spike Report

Total Petroleum Hydrocarbons as BTEX

ITS - Anamatrix Laboratories - (408)432-8192

Project ID : 35195.62
 Sample ID : SOUTH
 Matrix : SOIL
 Date Sampled : 12/02/94

Laboratory ID : 9412020-02
 Analyst : IS
 Supervisor : *U*
 Instrument ID : HP21
 Units : mg/Kg

COMPOUND NAME	SPIKE AMOUNT	SAMPLE RESULTS	MS RECOVERY	MSD RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Benzene	0.040	ND	103%	105%	45-139	-2%	30
Toluene	0.040	ND	115%	115%	51-138	0%	30
Ethylbenzene	0.040	ND	120%	123%	48-146	-2%	30
Total Xylenes	0.040	ND	118%	120%	50-139	-2%	30
Surrogate Recovery		117%	114%	110%			
Date Analyzed		12/06/94	12/06/94	12/06/94			
Multiplier		1	1	1			
Filename Reference		FPD02002.D	FMD02002.D	FDD02002.D			

* Limits established by Incheape Testing Services, Anamatrix Laboratories.

Laboratory Control Spike Report
 Total Petroleum Hydrocarbons as BTEX.
 ITS - Anametrix Laboratories - (408)432-8192

Instrument ID : HP21
 Matrix : SOLID

Analyst : IS
 Supervisor : *os*
 Units : mg/Kg

COMPOUND NAME	SPIKE AMOUNT	LCS RECOVERY	RECOVERY LIMITS
Benzene	0.020	115%	52-133
Toluene	0.020	125%	57-136
Ethylbenzene	0.020	135%	56-139
Total Xylenes	0.020	135%	56-141
Surrogate Recovery		117%	53-147
Date Analyzed		12/06/94	
Multiplier		1	
Filename Reference		MD0601E1.D	

* Limits established by Incheape Testing Services, Anametrix Laboratories.

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.: 9412020
Matrix : SOIL
Date Sampled : 12/02/94
Date Extracted: 12/05/94

Project Number : 35195.624
Date Released : 12/08/94
Instrument I.D.:HP23

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)	Surrogate %Rec
9412020-01	NORTH	12/06/94	10	ND	69%
9412020-02	SOUTH	12/06/94	10	ND	67%
BD05H1F9	METHOD BLANK	12/06/94	10	ND	69%

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
The surrogate recovery limits for o-terphenyl are 64-109%.

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as C10-C28 is determined by GCFID following sample extraction by EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Offate
Analyst

12/08/94
Date

Cheryl Baseman
Supervisor

12/8/94
Date

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 3550 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : SOIL
 Date Sampled : N/A
 Date Extracted: 12/05/94
 Date Analyzed : 12/06/94

Anamatrix I.D. : MD05H1F9
 Analyst : ~~PT~~
 Supervisor : ~~C~~
 Date Released : 12/08/94
 Instrument I.D.: HP23

COMPOUND	SPIKE AMT (mg/Kg)	REC LCS (mg/Kg)	% REC LCS	% REC LIMITS *
DIESEL	62.5	62.2	100%	48-113
SURROGATE			70%	55-129

* Quality control limits established by Anamatrix, Inc.

WAHLEe LABLES

Project Number		Project Name/Client		Custody Seal #		RUST E&I Cooler #											
23195.624		American National Car															
Samplers: (Signature)				Analysis Required				Matrix									
Richard Burginski																	
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	Lab Sample Number	Container Number	LEAD	TPH-D	LOPEX	BTX	TTLc	ZINC	TTLc	NICKLE	Sample Type	Sample Container
1	NORTH	12/2/94	11:55					X	X	X	X	X	X	X	X	SS soil	6" 3.5" liner
2	SOUTH	12/2/94	12:10					X	X	X	X	X	X	X	X		
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
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16																	
17																	
18																	
19																	
20																	

Relinquished by: (Signature) Richard Burginski	Date/Time 12/4/94 1525	Received by: (Signature) Mandy Galen	Disposed of by: (Signature)	Items:	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature) (Laboratory)	Disposed of by: (Signature)	Items:	Date/Time

Send Lab Results To: RUST E&I % Ed Alusow 12 Metro Park Road Albany, N.Y. 12205	Remarks: fax copy of results to: Richard Burginski @ RUST-Palo Alto a 415/988-5365 Federal Express Airbill No.: Lab:	Check Delivery Method: <input checked="" type="checkbox"/> Samples delivered in person <input type="checkbox"/> Common carrier <input type="checkbox"/> Mail	Laboratory Receiving Notes: Custody Seal Intact? N/A Temp of Shipping Container: 5°C Sample Condition: Good
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SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9412070

CLIENT PROJECT ID: 35195.624

COOLER

Shipping slip (airbill, etc.) present?	YES	NO	<u>N/A</u>
If YES, enter carrier name and airbill # : _____			
Custody Seal on the outside of cooler?	YES	NO	<u>N/A</u>
Condition: INTACT _____ BROKEN _____			
Temperature of sample (s) within range?	<u>YES</u>	NO	N/A
List temperature of cooler (s): <u>5°C</u>			

SAMPLES

Chain of custody seal present for each container?	YES	NO	<u>N/A</u>
Condition: INTACT _____ BROKEN _____			
Samples arrived within holding time?	<u>YES</u>	NO	N/A
Samples in proper containers for methods requested?	<u>YES</u>	NO	
Condition of containers: INTACT <u>✓</u> BROKEN _____			
If NO, were samples transferred to proper container? _____			
Were VOA containers received with zero headspace?	YES	NO	<u>N/A</u>
If NO, was it noted on the chain of custody? _____			
Were container labels complete? (ID, date, time preservative, etc.)	<u>YES</u>	NO	
Were samples preserved with the proper preservative?	YES	NO	<u>N/A</u>
If NO, was the proper preservative added at time of receipt? _____			
pH check of samples required at time of receipt?	YES	<u>NO</u>	
If YES, pH checked and recorded by: _____			
Sufficient amount of sample received for methods requested?	<u>YES</u>	NO	
If NO, has the client or lab project manager been notified? _____			
Field blanks received with sample batch? # of Sets: _____	YES	NO	<u>N/A</u>
Trip blanks received with sample batch? # of Sets: _____	YES	NO	<u>N/A</u>

CHAIN OF CUSTODY

Chain of custody received with samples?	<u>YES</u>	NO
Has it been filled out completely and in ink?	<u>YES</u>	NO
Sample ID's on chain of custody agree with container labels?	<u>YES</u>	NO
Number of containers indicated on chain of custody agree with number received?	<u>YES</u>	NO
Analysis methods clearly specified?	<u>YES</u>	NO
Sampling date and time indicated?	<u>YES</u>	NO
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	<u>YES</u>	NO
Turnaround time? REGULAR <u>✓</u> RUSH _____		

Any NO response and/or any "BROKEN" that was checked must be detailed in the Corrective Action Form.

MB 12/2/04 11/14/04 12/16/04