LOVNEYASSOCIATES Environmental/Geotechnical/Engineering Services

September 8, 1993 864-17A, MV082501

Mr. Charles W. Wren

U.S. POSTAL SERVICE

c/o DANIEL, MANN, JOHNSON & MENDENHALL

222 Kearny Street, Suite 500

San Francisco, California 94108

RE: UNDERGROUND FUEL TANK
REMOVAL AND SOIL EXCAVATION
PROPOSED EMERYVILE POSTAL
FACILITY
EMERYVILE, CALIFORNIA

Dear Mr. Wren:

We are pleased to present this report documenting underground storage tank (UST) removal and excavation activities performed at the reference site, located at 6121 Hollis Street in Emeryville, California. The scope of work performed was discussed with you and described in our proposal dated May 7, 1993.

On August 2, 1992, two USTs were removed from the site by Gettler-Ryan. Upon excavation, the 600-gallon northern UST appeared to be in good condition. No holes or other signs of damage or leakage were noted. Laboratory analysis of a soil sample collected directly below the northern UST did not detect gasoline, diesel, or oil range petroleum hydrocarbons. Upon excavation of the 500-gallon central UST, several holes and a tear were noted on the west side of the tank. Laboratory analysis of soil and ground water samples collected below the tank detected 1,800 mg/kg and 150 mg/l total petroleum hydrocarbons (TPH) as diesel, respectively. The results indicated that the soil and ground water in immediate contact with the central UST were impacted with diesel range petroleum hydrocarbons.

Approximately 150 gallons of impacted ground water were pumped from the central excavation by a vacuum truck. Analysis of a second sample from the ponded ground water detected diesel hydrocarbons at 0.69 mg/l, which, in our opinion, more accurately represents ground water quality. To remove impacted soil directly associated with the UST, the soil below and surrounding the tank was excavated to ground water. Analysis of soil samples from the excavation sidewalls detected low levels of diesel range hydrocarbons (up to 240 ppm). The results indicated, in our opinion, that most of the impacted soil directly associated with the UST had been removed.

During over-excavation of the central UST pit, a layer of petroleum impacted soil was encountered just above ground water. Previous on-site work indicated that this stratum is impacted with highly degraded diesel range petroleum hydrocarbons, occurs within the zone of ground water fluctuation, and is widespread over much of the southern portion of the site. In our opinion, this impacted soil is not directly associated with the tank, but may be a result of other potential sources that previously impacted ground water but are no longer present at the

UNDERGROUND FUEL TANK REMOVAL AND SOIL EXCAVATION PROPOSED EMERYVILLE POSTAL FACILITY EMERVILLE, CALIFORNIA

1.0 INTRODUCTION

This report was prepared to document the underground storage tank (UST) removal and soil excavation activities for the referenced site, located at 6121 Hollis Street in Emeryville, California (Figures 1 and 2). As you know, we previously performed a preliminary soil quality evaluation at the site; our conclusions and recommendations were presented in our April 16, 1993 report titled, "Preliminary Soil Quality Evaluation, Proposed Emeryville Postal Facility, Emeryville, California." In addition, we recently performed a more detailed soil and ground water quality investigation at the site with our conclusions and recommendations presented in our July 30, 1993 report titled, "Soil and Ground Water Quality Evaluation, Proposed Emeryville Postal Facility, 6121 Hollis Street, Emeryville, California."

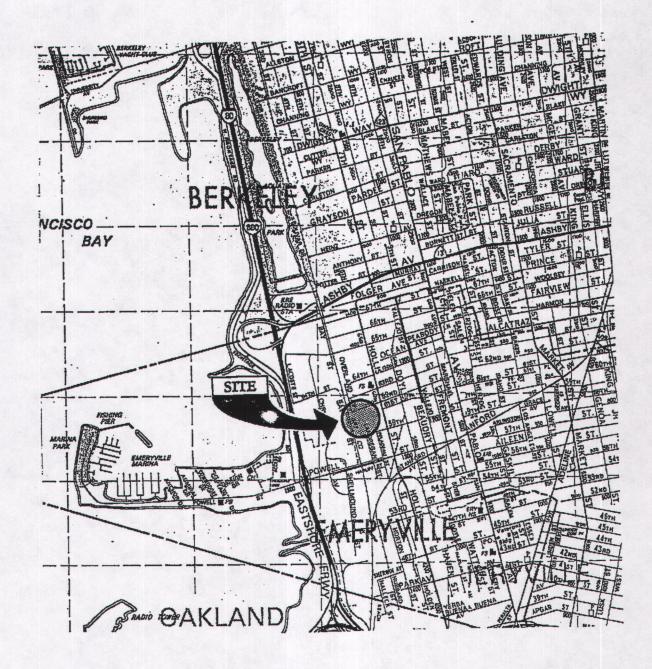
1.1 Purpose

The scope of work performed by Lowney Associates during the current investigation included:

- Part-time observation of UST removal and soil excavation operations.
- Sampling/analysis of soil beneath the USTs, product piping, the former railroad siding, and the southeast excavation.

1.2 Scope of Work





"Reproduced with permission granted by THOMAS BROS. MAPS."

864-17A, 8/23 TR*EB

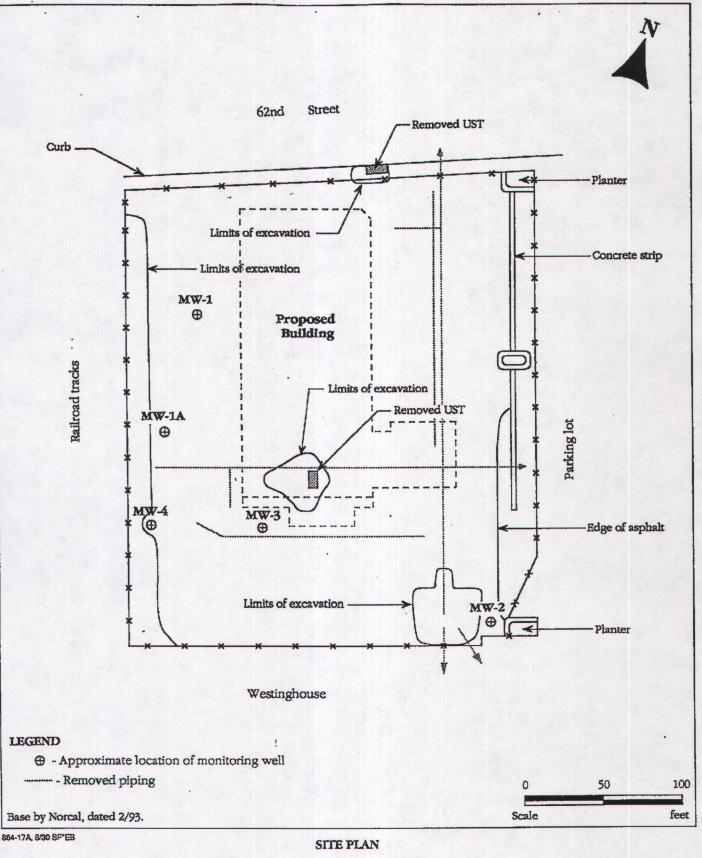
VICINITY MAP

PROPOSED EMERYVILLE POSTAL FACILITY Emeryville, California

LOVNEYASSOCIATES Environmental/Geotechnical/Engineering Services

FIGURE 1

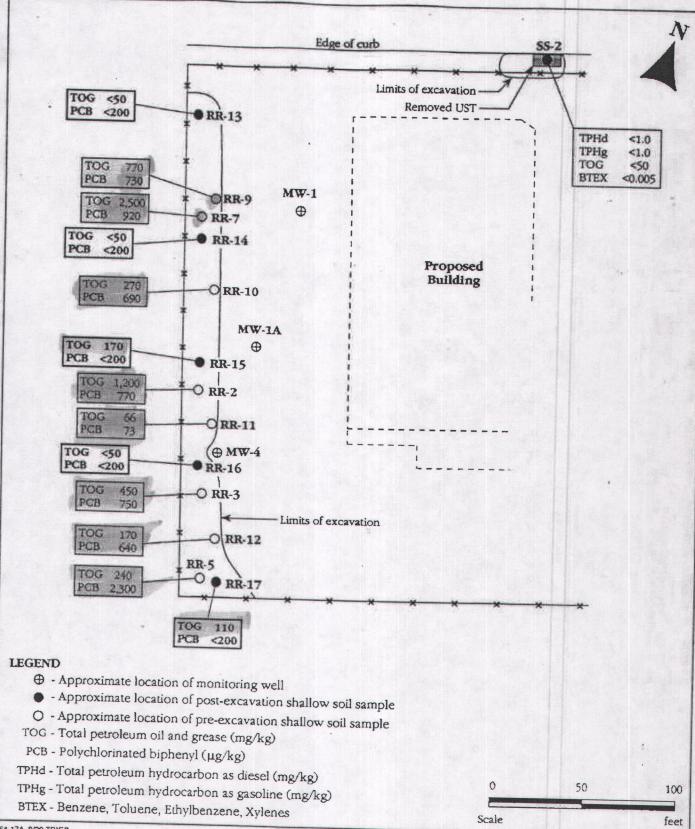
864-17A, August 1993



PROPOSED EMERYVILLE POSTAL FACILITY Emeryville, California

Environmental/Geotechnical/Engineering Services

FIGURE 2 864-17A, August 1993



864-17A, 8/20 TR'EB

EXCAVATION DETAIL AND SOIL SAMPLING RESULTS FORMER RAILROAD SIDING AND NORTHERN UST

PROPOSED EMERYVILLE POSTAL FACILITY Emeryville, California

Environmental/Geotechnical/Engineering Services

FIGURE 4 864-17A, August 1993

Michelle E. Boscoe Senior Environmental Coordinator PG&E 4525 Hollis Street Emeryville, CA 94608

93 JUL 23 PM 1:53

Eric Montesano Paradiso Construction Company 2600 Williams Street San Leandro, CA 94577

July 21, 1993

Dear Rick:

Enclosed is the information you requested on the two UST's for which you are compiling permit applications for removal, for subsequent submittal to me. Please find a plot plan showing the location of the tanks on the property relative to property lines, structures, street intersections, and a North designation. Also enclosed are copies of blueprints showing tank fill lines, and underground piping/sewer systems; Forms A and B for each tank, and the latest (and only) precision testing results documented.

I understand that you will use this information to complete all documentation required for us to submit to the County, along with instructions on what/how to send (i.e., number of copies required, etc.). We will have checks ready to submit along with the application, for the amounts you specified.

Thank you for your prompt attention to this matter.

Michelle E. Boscoe, RHSP, REA

cc: M. Krone

G. Pforr

J. Holt

file

ec: B. Olun County

Brian: When I have remewed the shore and received our cheeks for fees from Corporate, I will promptly forward.

STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

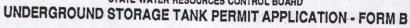


COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE 8 TANK REMOVED 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED. LAS D.
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D.#
C. DATE INSTALLED (MO/DAY/YEAR)
II. TANK CONTENTS IFA-1 ISMARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1b PREMIUM UNLEADED 5 JET FUEL 7 METHANOL D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED
III TANK CONCENTRATION
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER B. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR LINING 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 6 UNLINED 7 SOUNKNOWN 99 OTHER D. CORPOCION 1 POLYSTRYLENE WARR 1 POLYSTRYLENE WARR 1 POLYSTRYLENE WARR 1 POLYSTRYLENE WARR 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 7 SOUNKNOWN 99 OTHER
PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W COATING A U 8 100% METHANOL COMPATIBLE W/FRP D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TRAINING TOTAL STATES 3 INTERSTITION 3 INTERSTITION
V. TANK LEAK DETECTION 99 OTHER 199 OTHER
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 6 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 99 OTHER
VI. TANK CLOSURE INFORMATION
1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS 3. WAS TANK FILLED WITH YES NO INERT MATERIAL? YES NO INERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE TO THUS AND ADDRESS.
APPLICANTS NAME (PRINTED & SIGNATURE) BARRY E MCCOY Page 5 MCCO 7-21-52
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY# JURISDICTION# FACILITY# TANK#
PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE
THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION FORM A LINE SS A CURRENT FORM A LIAS DESMENTED

FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED FILE

STATE WATER RESOURCES CONTROL BOARD





COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 FAMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: US POSTAL SERVICE GILI HOLLS STEMERY WILLE
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # UNK #2 B. MANUFACTURED BY: UNK
C. DATE INSTALLED (MO/DAY/YEAR) D. TANK CAPACITY IN GALLONS: 550
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 6 AVIATION GAS 2 PETROLEUM 80 EMPTY 1 PRODUCT 1b PREMIUM UNLEADED 5 JET FUEL 7 METHANOL 1 PRODUCT 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL 5 CONCRETE 8 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR LINING 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 6 UNLINED 99 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 55 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 90 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 99 OTHER CLASH
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 6, TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION
1. ESTIMATED DATE LAST USED (MO/DAYYR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 3. WAS TANK FILLED WITH YES NO NOT
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE IS TOUT AND CORPERA
APPLICANTS NAME (PRINTED & SIGNATURE) BARRY EMCGY DATE 7-21-92
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE
THIS FORM MIST BE ACCOMPANIED BY A DEDNIT ADDITION

HIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM	FOR EACH FACILITY/SITE	
MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT	5 CHANGE OF INFORMATION 6 TEMPORARY SITE CLOSURE	7 PERMANENTLY CLOSED SITE
I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPL	FTFD	
DBA OR FACILITY NAME		
US POSTAL SERVICE	NAME OF OPERATOR	
ADDRESS POSTAC SERVICE	US POSTAL S	ERVICE
6121 Hollis St	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME	OVERLAND	
EMERYVILLE	STATE ZIP CODE	SITE PHONE # WITH AREA CODE
~ BOX	CA 94608	NA
TO INDICATE CORPORATION INDIVIDUAL PARTNERSHIP L	OCAL-AGENCY COUNTY-AGENCY DISTRICTS	STATE-AGENCY FEDERAL-AGENCY
1 GAS STATION 2 DISTRIBUTOR	✓ IF INDIAN # OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 3 FARM ☐ 4 PROCESSOR 🔀 5 OTHER	RESERVATION OR TRUST LANDS 2	CAC 0015840
EMERGENCY CONTACT PERSON (PRIMARY)		
	EMERGENCY CONTACT PERSO	N (SECONDARY) - optional
11105-1 CILOS	DAYS: NAME (LAST, FIRST)	
17/3/17/2-760/		PHONE # MET LAND
	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
AS Above		DI IONE A MARKA A SECOND
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)		PHONE # WITH AREA CODE
	CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS	CLAIR KENAS	TOAL
	/ how to indicate	LOCAL-AGENCY STATE-AGENCY
-11 -11 -12 -1	C ACCEPANTATION CO.	COUNTY-AGENCY FEDERAL-AGENCY
CITY NAME CARRIED	STATE ZIP CODE	PHONE # WITH AREA CODE
SAN BRUNO	CA 94099-0320 (415) 742-4601
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	1,101,100	7.0) 11=17.80
NAME OF OWNER		
	CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS	CLAIR KENAS	TON
850 CHERRY ST		LOCAL-AGENCY STATE-AGENCY
CITY NAME	CORPORATION PARTNERSHIP	COUNTY-AGENCY FEDERAL-AGENCY
SAN BRUNO	STATE ZIP CODE	PHONE # WITH AREA CODE
	CA 14044-032 0 1	1117 711
IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM	BER - Call (916) 323-9555 if questions	orico
TY (TK) HQ 44- EXEMPT	- mit out (0.10) one soos il questions	anse.
V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COM	ADI ETED) IDENTIEV THE METHOD	0) 110=5
		S) USED
	GUARANTEE 3 INSURANCE	4 SURETY BOND
A	EXEMPTION 99 OTHER	
VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification	and hilling will be contact the tool	
CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIF	and billing will be sent to the tank owner un	
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND		11. 💢 111.
PLICANTS NAME (PRINTED & SIGNATURE)		IUE AND CORRECT
	NTS TITLE DATE	MONTH/DAY/YEAR
BARRY E MCCOY Ban Emilan	US POSTAL SERVICE !	
LOCAL AGENCY USE ONLY	SERVICE .	07/21/93
OOUBSTU		
COUNTY # JURISDICTION #	FACILITY #	
COUNTY# JURISDICTION#	FACILITY#	
SUNSDICTION#	FACILITY#	
COUNTY # JURISDICTION # OCATION CODE - OPTIONAL CENSUS TRACT # - OPTIONAL		
SUNSDICTION#	FACILITY #	

CATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY. FORM A (5-91)