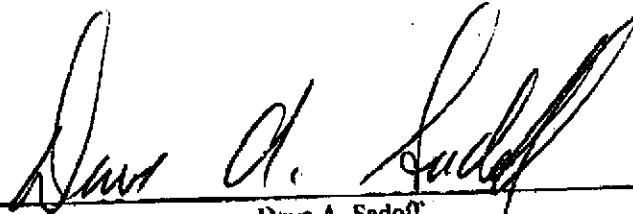


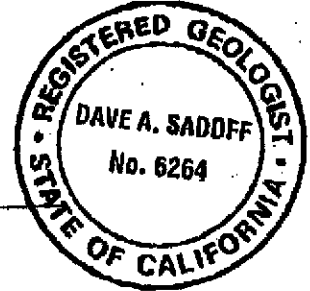
**WORK PLAN:**  
**DRUM REMOVAL**  
**PROJECT #150-503B**

**Holland Oil**  
**16301 E. 14<sup>th</sup> Street**  
**San Leandro, California**

**PREPARED BY ENVIRONMENTAL BIO-SYSTEMS, INC.**  
**FOR**  
**MRS. ANN MARIE HOLLAND TIERS**



Dave A. Sadoff  
California Registered Geologist No. 6264



Timothy M. Babcock  
Project Manager, Registered Environmental Assessor No. 05184

1 July 1998

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San Leandro, California

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**ENVIRONMENTAL BIO-SYSTEMS, INC.**

Innovative Solutions for a Better Environment

Cont. No. # 087236

**1. INTRODUCTION**

On behalf of our Client, Ann Marie Holland Tiers, Environmental Bio-Systems, Inc. (EBS) presents this Work Plan for the removal of approximately 100 drums at the referenced site. Work will proceed following approval by each of the concerned regulatory and governing bodies having jurisdiction over this project, including the Alameda County Department of Environmental Health (ACDEH), Alameda County Fire Department (ACFD), and the Alameda County Department of Public Works (ACDPW).

The site is owned by the Jack Holland Sr. Estate (Estate) and Barbara Holland. The principal project contacts are:

**Client** - Ann Marie Holland Tiers, Estate Administrator, 1498 Hamrick Lane,  
Hayward, CA 94544, (510) 782-4307.

**Consultant** - Dave A. Sadoff, Project Manager, Environmental Bio-Systems, Inc., P.O.  
Box 7171, San Jose, CA 95150-7171, (408) 979-8600.

**2. SITE LOCATION AND DESCRIPTION**

The Site is located at 16301 East 14th Street in San Leandro, California. A Site Map, showing relevant Site improvements and features, is included as Figure 2 in Attachment A. The lot is partially paved with asphalt and concrete.

The property encompasses approximately 3 acres, and was used from approximately 1960 until the mid 1980s as a bulk fuel storage and sales facility. Approximately 20 above-ground storage tanks (AST's) and 8 underground storage tanks (UST's) have been identified at the property. The lot is bounded to the south

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by a park and ball field, to the southwest by an elementary school, to the east and west by used car sales lots, and to the north and northeast by East 14th Street.

### **3. SCOPE OF WORK**

1. EBS will develop a site-specific health and safety plan to be approved by a certified industrial hygienist (CIH). The CIH will also conduct periodic site visits during project progression to ensure compliance with the provisions of the plan.
2. All site field work will be conducted by properly trained personnel under the provisions of 29 CFR 1910.120.
3. A bermed drum inventory and containment area double-lined with 10-mil visqueen sheets will be constructed at the location indicated on Figure 1. This location is considered to have sufficient access to permit necessary handling and/or transportation of the drums. The containment area will be of adequate size to accommodate all drums and will provide sufficient room for their manipulation during profiling and waste stream segregation.
4. All drums, cans, jugs and containers that contain liquid will subsequently be moved to the containment area.
5. Drum contents will be field-screened and analyzed by Evergreen Environmental Services (EES) of Newark, California for profiling and acceptance to their facility. Each drum having been screened will be clearly labeled.
6. Compatible liquids will then be consolidated.
7. Small containers will be lab-packed in DOT-approved 55-gallon drums packed with absorbent material.
8. Recyclable petroleum liquids will be suctioned from their drums/containers and transported in bulk under Uniform Hazardous Waste Manifest (UHW) to EES.

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9. Residual liquids in the drums will be stabilized by the addition of an absorbent material.
10. Empty drums will then be evaluated for lower explosive limit (LEL).
11. Drums exhibiting an LEL of 0 will be crushed on-site and placed in a roll-off bin along with used personal protective equipment and other solid wastes generated by personnel at the site (i.e.: used visqueen sheeting, gloves, etc.). The contents of the bin will be disposed of at Forward Landfill, Inc. of Stockton, California under special waste manifest at the conclusion of work included in this plan.
12. Drums exhibiting an LEL >0 will remain on-site to be inerted and cold-cut during later demolition of site above-ground storage tanks (AGTs).
13. Drums not accepted by EES will be sampled and additionally profiled as necessary. All such drums will be transported as is (if sufficiently intact) or over-packed in DOT approved containers and transported under UHWM or bill of lading (only if profiling determines the waste to be non-hazardous) to an appropriately licensed recycling/disposal facility to be designated by the Client from available options presented according to profile results.
14. Contents of both above-ground and below-ground storage tanks will also be inventoried at this time. Recyclable petroleum liquids will be removed by suction and transported in bulk along with related drum contents (item #8) to EES under UHWM.
15. Copies of all manifests accompanying the various wastes to their final dispositions will be supplied to the Alameda County Public Works Agency, Alameda County Fire Department, and the Alameda County Department of Environmental Health after the completion of the field work.
16. A security guard will be present on-site during inactive periods (nights).

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#### **4. PROJECT ITINERARY**

- 2 July 1998: Submit Work Plan to ACDPW, ACDEH, ACFD.
- 15 July 1998: Submit Health and Safety Plan to ACDPW, ACDEH, ACFD.
- 20-22 July 1998: Construct bermed containment area. Characterize and segregate waste-streams.
- 23 July 1998 Remove and transport bulk liquids to BES, crush drums.
- 24 July 1998: Remove roll-off bin containing crushed drums and solid wastes.

#### **5. LIMITATIONS**

The scope of work described in this work plan will be conducted in accordance with generally accepted standards of current environmental practice in California. All documentation generated during the project, including but not limited to additional Work Plans and reports with all conclusions, and recommendations contained therein, shall be time-dependent and should not be considered valid after a 1 year period from their issue. After 1 year from issue, site conditions and recommendations contained within should be reviewed.

Evaluation of the condition of the Site, for the purpose of this study, will be made from a limited number of observation points. Subsurface conditions may deviate away from these points. Additional work, including further study of the subsurface, can reduce the inherent uncertainties associated with this type of work.

This study will be performed, and the report prepared for the sole use of our client, Mrs. Anne Marie Holland Tiers. All reports and the findings contained within are not to be disclosed to nor used by any other party without the prior written consent of Environmental Bio-Systems, Inc. It will be the responsibility of the client to convey any and all recommendations to regulatory agencies and other parties, as appropriate.

ENVIRONMENTAL BIO-SYSTEMS, INC.

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The recommendations to be provided in the summary project report(s) will be professional opinions that our firm has endeavored to provide with competence and reasonable care. We are not able to eliminate the risks associated with environmental work. No guarantees or warrants, express or implied, are provided regarding our recommendations.

Any and all hazardous wastes generated during this work are to remain the property of the Client to be disposed of properly.

It is the clients' responsibility to identify property lines and easements. EBS is not responsible for the accuracy of any property line, easement, or other marker identified by the client.

It is the clients' sole responsibility to inform EBS of any hazardous materials or conditions relating to the UST or the work area in general prior to the progression of field work, or immediately upon their subsequent discovery.






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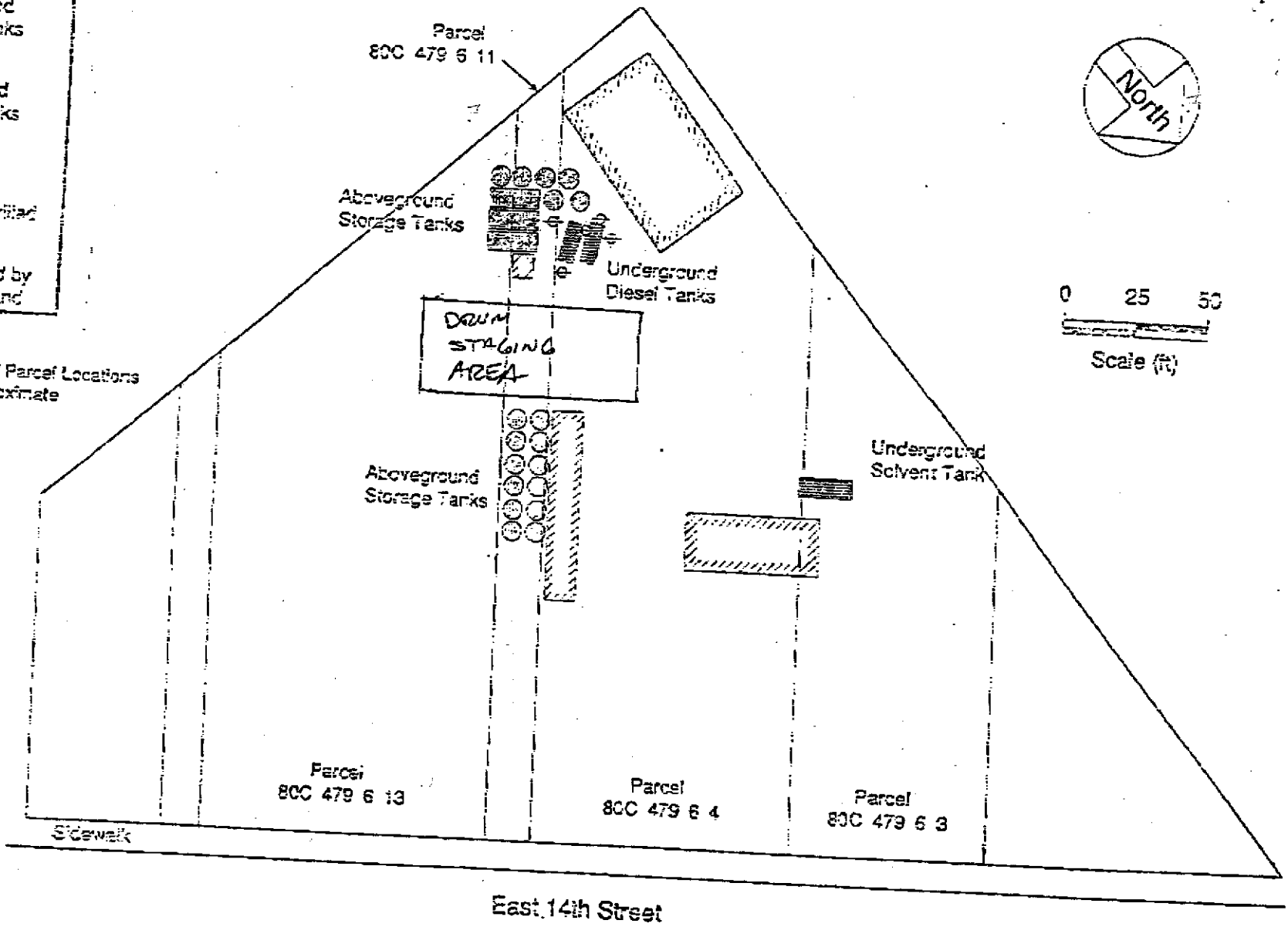
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**ATTACHMENT A**  
**FIGURE**



-  Aboveground Storage Tanks
-  Underground Storage Tanks
-  Building
-  Previously Drilled Soil Boring
-  Parcel Owned by Barbara Holland

Note: Tank and Parcel Locations Are Approximate



 <b>ENVIRONMENTAL BIO-SYSTEMS, INC.</b>	DATE: 7/1/98	<b>FIGURE 1: SITE MAP</b>
	DRAWN BY: DAS	
	SCALE: 1"=50'	<b>HOLLAND OIL 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA</b>

**FACSIMILE COVER SHEET**DATE: 7 / 2 / 98 TIME: 14:25 AM/PM PSTTO: Scott SeeryOF: ACDEHFACSIMILE NUMBER: 1(510) 337-9335FROM: Dave Sadoff**Message:**

If you have any questions, you may call me at (510) 317-1455. My fax number is (510) 317-1456.

Regards,  
Dave Sadoff

NUMBER OF PAGES (including cover): 9Original to follow via: N/A

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