

FACSIMILE COVER SHEET

KENETECH Windpower
6952 Preston Avenue, Livermore, CA 94550

TO:	Name:	<u>Eva Chu</u>
	Company:	<u>Mameda County Health Agency</u>
	Dept:	
	FAX No:	<u>510 569-4757</u>
	Date:	<u>4-22-94</u> Time: <u>5:0</u> am/pm
	Total Number of pages to follow:	<u>1</u>

FROM:	Name:	<u>Brian Ward</u>
	Telephone No:	<u>(510) 455-6012 extension 264</u>
	FAX No:	<u>(510) 443-3995</u>

HANDLING	<input checked="" type="checkbox"/> Normal Processing	<input type="checkbox"/> Deliver Immediately
INSTRUCTIONS:	<input type="checkbox"/> Confidential	<input type="checkbox"/> Call After Receipt

COMMENTS:

If you have any questions give me a call

Brian

State of California—Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-91)

71440

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type (Form designed for use on either 12-pitch typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC000238633		Manifest Document No. 711410	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. Wind Power 6952 Preston Ave Livermore CA 94550					A. State Manifest Document Number 89921508		
4. Generator's Phone 415 455-6012 ext 222					B. State Generator's ID		
5. Transporter 1 Company Name DILLARD TRUCKING			5. US EPA ID Number C A D 9 8 1 6 9 2 6 0 9		C. State Transporter's ID 100981		
7. Transporter 2 Company Name					D. Transporter's Phone (415) 834-0587		
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801					10. US EPA ID Number C A D 0 0 9 4 6 6 9 9 2		E. State Transporter's ID
					F. Transporter's Phone		
					G. State Facility's ID C A D 0 0 9 4 6 6 9 9 2		H. Facility's Phone (415) 235-1383
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit (Wt/Vol)	1. Waste No.
a. Waste Empty Storage Tank California Regulated Waste Only				0 0 1	T P	0 0 5 5 0	State 512 EPA/Other None
b.							State EPA/Other
c.							State EPA/Other
d.							State EPA/Other
J. Additional Descriptions for Materials Listed Above Empty storage tank #3179 last contained iced with 15 lbs. dry ice					K. Handling Codes for Wastes Listed Above 01		
16. Special Handling Instructions and Additional Information Keep away from sources of ignition. Wear hardhat, safety shoes and gloves when working with U.S.T.'s.							
18. 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 GIL MORALES				Signature <i>Gil Morales</i>		Month Day Year 03 26 90	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Dennis Duncan		Signature <i>Dennis Duncan</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 16.							
Printed/Typed Name Shannon Lowry				Signature <i>Shannon Lowry</i>		Month Day Year 03 26 90	

GENERATOR

TRANSPORTER

FACILITY

IS 8022 A (1/88)
A 8700-22
ev. 0-88) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION

04/22/94

UNDERGROUND STORAGE TANK CLEANUP SITE

AGENCY#: 10000 SOURCE OF FUNDS: F-FEDERAL INSPECTOR: EC
 StID: 3603 SUBSTANCE: 12035 -Waste Oil
 SITE NAME: U.S.A. Windpower DATE REPORTED : 04/20/90
 ADDRESS : 17350 Patterson Pass Rd DATE CONFIRMED: 04/20/90
 CITY/ZIP : Livermore, CA 94550 MULTIPLE RP's : Y

CASE TYPE: S CONTRACT STATUS: 4 PRIOR: EMERGENCY RESPONSE:

RP SEARCH	: S	DATE END:	12/23/91
PRELIM ASSESSMENT	:	DATE BEGIN:	
REMEDIAL INVESTIG	:	DATE BEGIN:	
REMEDIAL ACTION	:	DATE BEGIN:	
POST REMED MONITOR:		DATE BEGIN:	

TYPE ENFORCEMENT ACTION TAKEN: 1 DATE OF ENFORC. ACTION: 12/23/91

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

LUFT FIELD MANUAL CONSIDERATION: 2S CASE CLOSED: on:

DT EXC START: 03/26/90 REMEDIAL ACTIONS TAKEN: NT

RP #1: CONTACT: Gilbert J Morales RP COST:
 RP COMPANY NAME: U S A Windpower Inc. Ph:
 ADDRESS: 6952 Preston Ave.
 CITY/STATE: Livermore, Ca 94550

△Woment:

SITE ID#: 3603

ADDITIONAL RP'S

RP #2
 CONTACT NAME: n/a
 COMPANY NAME: Malgreeney Ranch Properties RP Ph:
 ADDRESS: P O Box 2053
 CITY/ST/ZIP: Livermore, Ca 94550

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

STD 3603

December 27, 1993

Mr. Brian Ward
USA Wind Power
6952 Preston Ave
Livermore, CA 94550

Subject: Closure for 17350 Patterson Pass Rd., Livermore

Dear Mr. Ward:

I have recently reviewed the case file for the above referenced site to see if case closure can be recommended. Information regarding soil lithology and depth to first groundwater is lacking from our files. In a letter to me from Uriah Inc., dated June 22, 1992, the above concerns were to be addressed by August 1992. To date I have not received the required information.

Please provide information regarding soil lithology and groundwater elevation to this office within 30 days of the date of this letter. At that time the case will be further reviewed for site closure.

Results of the thin layer chromatography performed on a soil sample collected from the bioremediated soil pile verified that this soil has been adequately bioremediated and may be disposed onsite.

If you have any questions, I can be reached at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Eva Chu".

eva chu
Hazardous Materials Specialist

cc: files (usawind1)

U.S. WINDPOWER

U.S. WINDPOWER, INC.
6952 Preston Avenue
Livermore, CA 94550
TEL: 510-455-6012
FAX: 510-443-3995
A KENETECH COMPANY

January 21, 1993

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
80 Swan Way, Rm 200
Oakland, CA 94621

ALCO
HAZMAT
JAN 21 1993
PM 2:25

Re: 17350 Patterson Pass Rd., Livermore

Dear Ms. Chu:

I received your correspondence of December 27 requesting information regarding soil lithology and groundwater elevation at the above referenced site and would like to forward the following information so that closure of this case may commence.

The site is located on a peak within the Altamont Pass and is adjacent to our Midway Substation/Control Building. There is a steep grade surrounding the site with approximately eighty (80) feet of elevation variance between the site and Gomes Blvd.. Attachment 1 details the elevation gain.

The site is approximately one mile from the Altamont Speedway, where according to the records of Mr. Wyman Hong, Alameda County Zone 7 Water Agency, a well was drilled in 1985. The records indicate that the groundwater depth was 140 feet. According to topographical maps there is approximately 300 feet of elevation loss between the site and the Altamont Speedway.

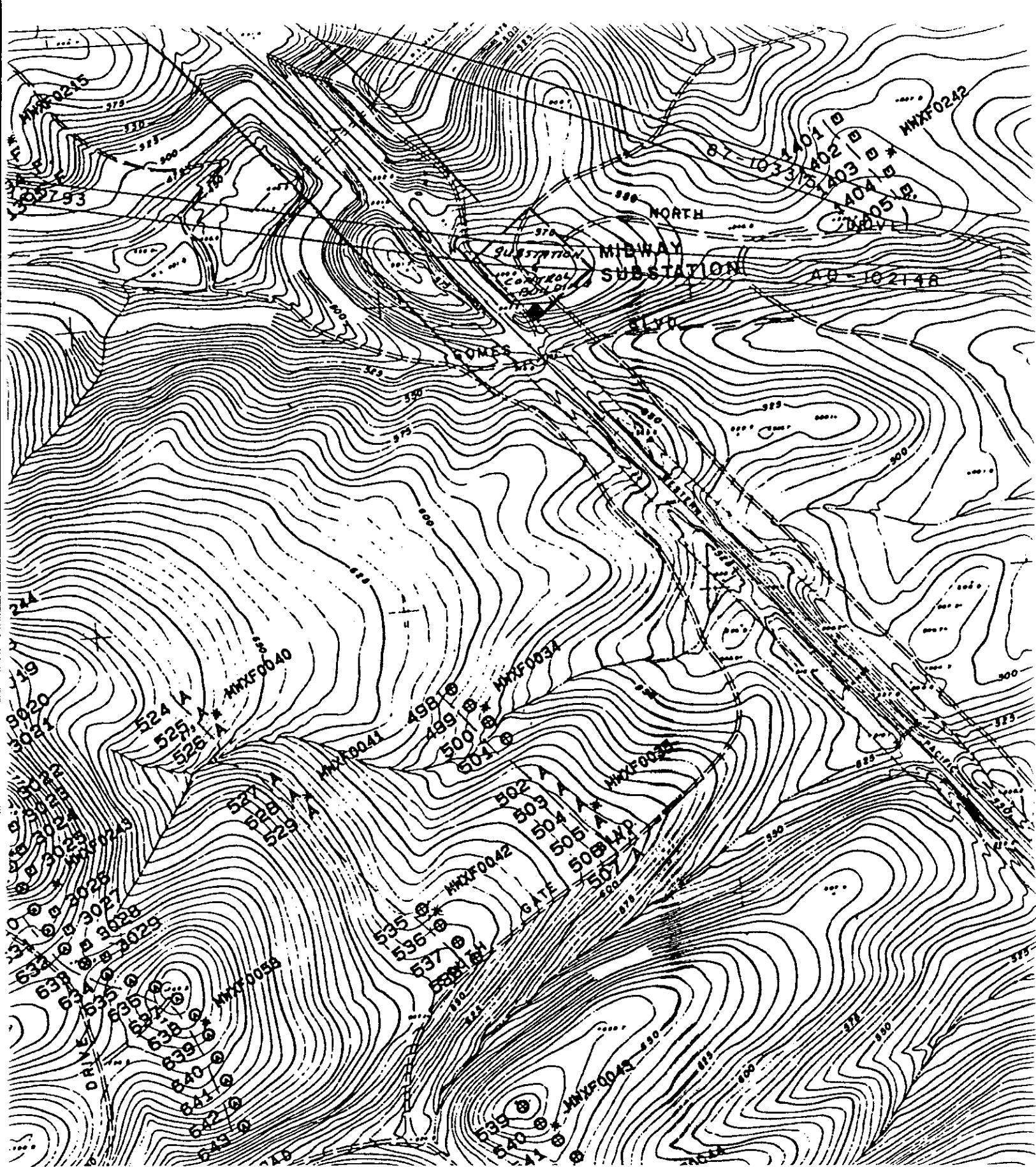
The type of soil native to the area and found beneath the removed tank is a golden brown sandstone.

I hope that this information along with the fact that the site was adequately bioremediated will lead to the closure of this case. If I can be of any further assistance, please call me at (510)455-3264.

Sincerely,



Brian Ward
Safety & Environmental Engineer



17350 Patterson Pass Road
Attachment 1



5
Uriah Inc.
An Environmental Services Company

June 22, 1992

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

RE: Case Closure for the Underground Storage Tank Removal and
Soil Remediation Project at the U.S. Windpower, Inc.,
Facility, 17350 Patterson Pass Road, Livermore, CA

Dear Ms. Chu:

I am writing to summarize our telephone conversation of June 19, 1992 concerning the above referenced site. As a result of the conversation, it is my understanding that you recently spoke with a staff person at the San Francisco Bay Regional Water Quality Control Board (RWQCB), and that you and he agreed that your respective agencies would consider closure of the above referenced case if the following additional tasks are performed:

- 1) Acquisition of information concerning soil lithology in the area of the former underground storage tank.
- 2) A determination of the probable depth to groundwater in the area of the former underground storage tank.
- 3) Acquisition of one additional four-point composite sample from the bioremediated soil with subsequent submission of the sample for certified laboratory analysis for Total Oil and Grease (TOG) using SM 5520 D&F.

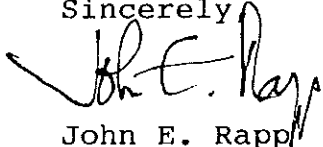
I will contact U.S. Windpower, Inc. this week, and upon receipt of their authorization to proceed, Uriah will undertake the tasks requested. I anticipate that the work will be completed

1.

and a report submitted to you by August 1, 1992.

If you have any questions, please contact me at (510) 455-4991.

Sincerely

A handwritten signature in cursive script, appearing to read "John E. Rapp".

John E. Rapp
President, Uriah Inc.

JER:dr

cc: Mr. Gilbert Morales, U.S. Windpower, Inc.



Uriah Inc.

An Environmental Services Company

May 8, 1992

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

RE: Thin Layer Chromatography Performed in Support of
Certified Laboratory Analyses at U.S. Windpower, Inc.,
17350 Patterson Pass Road, Livermore, CA

Dear Ms. Chu:

Thank you for the opportunity to provide additional information concerning thin layer chromatography (TLC) which Uriah has employed to support environmental assessment activities and monitor the progress of aerobic biodegradation of previously excavated soils. We have used both the field and laboratory TLC protocols hundreds of times during the past two years.

As stated on page 2 of Uriah's July 18, 1991 report, a sample of remediated soil submitted for certified analysis for Total Oil and Grease (TOG) using SM 5520F was reported to contain 77 parts per million TOG. Uriah believed these levels to be the result of organic interferences, however, and submitted a second sample for (laboratory grade) TLC analysis. As a result, it was determined that "There was no indication of the presence of saturated hydrocarbons that are major components of petroleum products" and that "There might possibly be very low levels of asphalt...".

Thin layer chromatography (TLC) as applied to this project is primarily a tool to detect semi- and non-volatile contaminants such as diesel, gasoline residues, oil, grease, etc. Detection limits for many compounds are as low as 10 parts per million (ppm), and Uriah has found TLC to be effective, reliable, and a procedure which permits one to distinguish between regulated hydrocarbon materials and common interferences such as biogenic material and asphaltic compounds.

The chromatography is carried out on a small plate, such as a microscope slide, which is covered on one side with a thin coating of absorbent material...most frequently silica gel. Very small amounts of the sample are applied to the absorbent surface as small spots in a row near one end of the plate. The plate is then placed, sample end down, in a wide-mouth glass container in which is located a small pool of solvent (in this case hexane).

As the solvent rises over the absorbent layer by capillary action, the compounds in the sample move varying distances. The distance that a compound travels up the TLC plate is expressed as the Rf value. This is the ratio of the relative distances traveled by an analyte and the eluting solvent. Under the same experimental conditions, the Rf for a compound is a characteristic value.

Individual compounds can be identified as they form distinct and separate patterns (frequently spots) on the plate. To detect the compounds in a mixture, the developed TLC plate is treated with a general reagent such as iodine vapor. Nearly all compounds absorb iodine or react with it to form violet or brown spots on the plate. Spots on the plate may also be visualized using ultraviolet light.

Before beginning TLC analysis of soil samples acquired at the U.S. Windpower site, we reviewed standards which had previously been prepared and cataloged for diesel fuel and oil. Additional standards for asphalt were prepared for this project as small to moderate levels of asphalt are often introduced into soil during the removal of pavement over underground storage tanks.

Different petroleum products (such as diesel and asphalt) will produce different TLC patterns. These differences, as they relate to TLC, are described by Friedman & Bruya, Inc. Environmental Chemists (recognized experts in TLC) as follows:

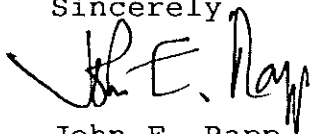
Asphalt. Asphalt is a residue of petroleum refining and consists primarily of heavy saturated hydrocarbons, alkenes, PNA (polynuclear aromatic hydrocarbons) and alkylated PNA. The TLC pattern, using hexane as the eluting solvent, will resemble an elongated teardrop stretching from Rf 0.1 to Rf 0.8.

Diesel Fuel. Diesel fuel is a mixture of saturated hydrocarbons, alkenes, and some light PNA (primarily naphthalene and substituted naphthalenes). The ratio of saturated hydrocarbons to the PNA will vary from batch to batch. The heavier diesel fuels will tend to have a high level of moderate and heavy PNAs. The TLC pattern, using hexane as the eluting solvent, will show two spots, one oval shaped with an Rf of 0.9 and a second showing

an elongated teardrop stretching from about Rf 0.5 to Rf 0.8.
The relative intensities of the two spots will vary from batch
to batch (Friedman and Bruya, 1990)

I trust that the information provided will be of assistance
to you. If you have any questions, please contact me at (510)
455-4991.

Sincerely,

A handwritten signature in black ink, appearing to read "John E. Rapp". The signature is written in a cursive style with a large initial "J" and "R".

John E. Rapp
President, Uriah Inc.

JER:dr

cc: Mr. Gilbert Morales, U.S. Windpower, Inc.

WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM
SITE SPECIFIC QUARTERLY REPORT
01/01/92 THROUGH 03/31/92

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 12035
StID : 3603
SITE NAME: U.S.A. Windpower DATE REPORTED : 04/20/90
ADDRESS : 17350 Patterson Pass Rd DATE CONFIRMED: 04/20/90
CITY/ZIP : Livermore 94550 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: S	CONTRACT STATUS: 2	EMERGENCY RESP:
RP SEARCH: S		DATE COMPLETED: 12/23/91
PRELIMINARY ASMNT:	DATE UNDERWAY:	DATE COMPLETED:
REM INVESTIGATION:	DATE UNDERWAY:	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 12/23/91
LUFT FIELD MANUAL CONSID: 2S
CASE CLOSED: DATE CASE CLOSED:
DATE EXCAVATION STARTED : 03/26/90 REMEDIAL ACTIONS TAKEN: NT

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Gilbert J Morales
COMPANY NAME: U S A Windpower Inc.
ADDRESS: 6952 Preston Ave.
CITY/STATE: Livermore, Ca 94550

RP#2-CONTACT NAME:
COMPANY NAME: Malgreeney Ranch Properties
ADDRESS: P O Box 2053
CITY/STATE: Livermore, Ca 94550

DATE: 12-16-91
TO : Local Oversight Program
FROM: Carry
SUBJ: Transfer of Eligible Oversight Case

ID# 3603

Site name: USA Wind power
Address: 17350 Patterson Pass Rd. city Cincinnati zip 94550
Closure plan attached? Y N

DepRef Project # U565623 DepRef remaining \$ _____
STID #(if any) _____

Number of Tanks: 1 removed? Y N Date of removal 3-26-90

Samples received? Y N Contamination: Diesel and Waste Oil

Petroleum Y N Types: Avgas Jet leaded unleaded Diesel
fuel oil waste oil kerosene solvents

Monitoring wells on site None Monitoring schedule? Y N
LUFT category 1 2 3 * H S C A R W G O Discovery
4-20-90

Briefly describe the following:

Preliminary Assessment 1 soil sample was taken beneath the tank during removal
Remedial Action Bioremediation was proposed
Post Remedial Action Monitoring None documented in file
Enforcement Action None documented in file

DEPARTMENT OF HEALTH SERVICES714/744 P STREET
SACRAMENTO, CA 95814

(916) 322-3900

**AVAILABILITY OF HAZARDOUS WASTE CONTROL LAWS**

The compilation of the Hazardous Waste Control Laws, which includes 1986 legislation, is now available. This excerpt contains Health and Safety Code, Division 20, Chapters:

- 6.5 Hazardous Waste Control
- 6.6 Safe Drinking Water and Toxics Enforcement Act
- 6.7 Underground Storage of Hazardous Substances
- 6.8 Hazardous Substance Account
- 6.9 Liability for Abatement of Hazards
- 6.91 Hazardous Materials Data
- 6.95 Hazardous Materials Release Response Plans and Inventory
- 6.98 Environmental Quality Assessment

Copies of this publication can be obtained for \$13.35 from:

General Services Publications
Documents Section, Ordering Department
Item #7548-958-1016-6
P. O. Box 1015
North Highlands, CA 95660

Make checks payable to State of California and allow 6-8 weeks for delivery.



Uriah Inc.

An Environmental Services Company

COPY

July 6, 1990

Mr. Gilbert J. Morales
Manager, Facilities &
Vehicle Maintenance
U. S. Windpower
6952 Preston Avenue
Livermore, CA 94550

RE: Proposal For Bioremediation of Fuel Hydrocarbon Contaminated Soils at
U.S. Windpower Midway Station, off Patterson Pass Road, Livermore, CA

Dear Mr. Morales:

Thank you for the opportunity to respond to your Request for Proposal regarding the biodegradation of approximately 15 cubic yards of previously excavated, fuel hydrocarbon contaminated soils at the above referenced location.

Based upon proprietary experience acquired during a number of successfully completed projects and considerable research data, we are confident that the contaminants of concern within the referenced soils are subject to aerobic degradation by a variety of soil bacteria and fungi. This degradation process would mineralize the hydrocarbon contaminants to form the non-toxic end products of carbon dioxide, water, and minerals.

The remediation protocol which Uriah proposes is that of "Thin Spread Landfarming". This process involves the amendment of contaminated soil with liquid inoculum, and other additives, as appropriate, to ensure an abundance of hydrocarbon utilizing bacteria, nutrients, and moisture so as to provide for appropriate soil permeability, pH, and aerobic soil conditions.

The amended soil will be then spread thinly to a thickness of approximately nine inches over hydrocarbon resistant liner on level ground. All edges of the treatment plot will be bermed to prevent runoff. The soil under treatment will be monitored and further manipulated as appropriate for a period of approximately 8 weeks. Monitoring of the detoxification process would be made through the collection of interim soil samples to be analyzed for fuel hydrocarbons, degradative intermediates, biological activity, and soil chemistry.

For your convenience, this document is presented in a form which may be accepted as an agreement. If you find this proposal acceptable, please indicate your concurrence by returning a signed copy with your initial payment.

If you have any questions, or if we may otherwise be of assistance, please contact either of undersigned at (415) 455-4991.

Sincerely,

Tarlochan Nijjar

Tarlochan Nijjar, M.Sc.
Environmental Microbiologist
and

Denise A. Rapp

Denise A. Rapp
Vice-President, Uriah Inc.

TN/DAR:ms
enc. Fee Schedule
Terms and Conditions

ACCEPTED BY: *Gil Moral*
TITLE: *FACILITIES MGR.*
DATE: *7/26/90*
TELEPHONE NUMBER: *(415) 455-6012 EXT. 222*

FEE SCHEDULE:

Based upon the treatment of approximately 15 cubic yards of fuel hydrocarbon contaminated soil

Soil Amendments.....	\$145.00
Hydrocarbon Resistant Liner and Berming Material.....	\$105.00
Interim and Final Sampling for Hydrocarbons, Degradation Intermediates, Biological Activity, and Soil Chemistry.....	\$355.00
Soil Handling Equipment.....	\$110.00
Professional and Technical Staff.....	\$150.00
Reportage.....	\$35.00
TOTAL ESTIMATED PROJECT COST.....	\$900.00

TERMS AND CONDITIONS

Scope of Work:

Biological detoxification (reduction of hydrocarbon contamination to less than 100 parts per million, or as specified by regulatory agencies) of approximately 15 cubic yards of previously excavated soil as described within the attached proposal.

Compensation:

Uriah, Inc. will begin work within fourteen (14) working days of the signing of this contract. Payment shall be made in the following manner:

- 1) A partial payment of fifty percent (50%) of the total agreed to costs (\$450.00) will be made upon acceptance of this contract.
- 2) A final payment of 50% of the total agreed to costs will become due within 15 days of submission of a final report of work performed which will include certified laboratory analyses confirming project completion.

Conditions:

This proposal is valid for a period of thirty (30) days from July 6, 1990. All work will be undertaken in a manner consistent with standard professional practices. Fees for services are based upon information which has been provided to date. Should contaminants, concentrations of contaminants, or other significant factors be other than as represented, Uriah, Inc. reserves the right to adjust charges in a reasonable manner. Further, the maximum liability of Uriah, Inc. for any reason attendant to the services provided shall not exceed the amount paid for these services.

Client shall indicate to Uriah, Inc. and shall assume responsibility for the accuracy of the legal property lines and markings thereof, and for locations and markings of all underground utilities and installations or potentially hazardous materials or facilities that may affect site conditions.

Uriah makes no warranty, either express or implied as to its findings, recommendations, specifications, or professional advice except that the work was performed pursuant to generally accepted standards of practice in effect at the time of performance.

Am
6/12

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE. SIGNED: <u>Gilbert M. Wistar</u> DATE: <u>5/30/90</u>
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REPORT DATE <u>0</u> M <u>5</u> M <u>2</u> D <u>3</u> D <u>9</u> Y <u>0</u> Y	CASE #
--	--------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>GIL MORALES</u>	PHONE <u>(415) 455-6012</u>	EXT. <u>222</u>	SIGNATURE <u>Gil Morales</u>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME <u>U.S. WIND POWER, INC.</u>			
	ADDRESS <u>6952 PRESTON AVE. LIVERMORE CA. 94550</u>				

RESPONSIBLE PARTY	NAME <u>U.S. WIND POWER, INC.</u> <input type="checkbox"/> UNKNOWN	CONTACT PERSON <u>GIL MORALES</u>	PHONE <u>(415) 455-6012</u>
	ADDRESS <u>6952 PRESTON AVE. LIVERMORE CA. 94550</u>		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u>MIDWAY CONTROL SITE</u>	OPERATOR <u>U.S. WIND POWER, INC.</u>	PHONE <u>(415) 455-6012</u>	
	ADDRESS <u>17350 PATTERSON PASS RD. LIVERMORE ALAMEDA CA. 94530</u>			
	CROSS STREET <u>MIDWAY ROAD</u>			

IMPLEMENTING AGENCIES	LOCAL AGENCY <u>ALAMEDA COUNTY HEALTH CARE SERVICES</u>	AGENCY NAME	CONTACT PERSON <u>GIL WISTAR</u>	PHONE <u>(415) 271-4320</u>
	REGIONAL BOARD			PHONE ()

SUBSTANCES INVOLVED	(1) NAME <u>90 WT. OIL</u>	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED <u>0</u> M <u>4</u> M <u>2</u> D <u>0</u> D <u>9</u> Y <u>0</u> Y	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input checked="" type="checkbox"/> OTHER <u>SOIL SAMPLE TEST AT LAB</u>
	DATE DISCHARGE BEGAN <u>UNKNOWN</u>	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER <u>REMOVED TANK</u>
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>0</u> M <u>3</u> M <u>2</u> D <u>6</u> D <u>9</u> Y <u>0</u> Y	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER	CAUSE(S) <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> SPILL <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input checked="" type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)
-----------------	---

COMMENTS	<u>RESULTS OF SOIL SAMPLE INDICATE HYDROCARBON LEVEL OF 700 PPM.</u>
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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



May 4, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Mr. Gil Morales
U.S. Windpower, Inc.
6952 Preston Ave.
Livermore, CA 94550

Re: **Unauthorized release from underground storage tank, 17350
Patterson Pass Rd., Livermore**

Dear Mr. Morales:

As you know, on March 26, 1990, the Alameda County Department of Environmental Health, Hazardous Materials Division witnessed the removal of a 550-gallon underground storage tank from the above location. Analytical results of the soil sample taken from the tank pit indicate hydrocarbon levels, in the form of total oil and grease, of 700 parts per million (ppm). This exceeds the 100 ppm threshold that the San Francisco Bay Regional Water Quality Control Board (RWQCB) considers to be evidence of an unauthorized release requiring further investigation. Title 23 of the California Code of Regulations requires all such unauthorized releases from underground tanks to be reported. An unauthorized release report must be filed with this office immediately; you must now also initiate further investigation and/or cleanup activities at this site.

This office will be the lead agency overseeing environmental investigation and cleanup at the site. The RWQCB is currently unable to manage the large number of fuel leak cases within Alameda County, and has therefore delegated this authority to our office. However, you need to keep the Water Board apprised of all actions taken to characterize and remediate contamination at this site, because the Board retains the ultimate responsibility for ensuring protection of waters of the state.

As a first step in the environmental investigation, U.S. Windpower is required to conduct a preliminary assessment to **determine the extent of soil and possibly groundwater contamination** that has resulted from the leaking tank system. The information gathered by this investigation will be used to assess the need for additional actions at the site. The preliminary assessment should be designed to provide the information in the format shown in the attachment at the end of this letter, which is based on RWQCB guidelines. You may be required to install one or more groundwater monitoring wells at the site.

Mr. Gil Morales
May 4, 1990
Page 2 of 2

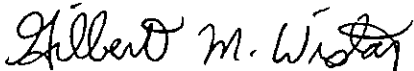
Until cleanup is complete, you will need to submit reports to this office and to the RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports must include information pertaining to further investigative results; the methods and costs of cleanup actions implemented to date; and the method and location of disposal of any contaminated material.

Soils contaminated at hazardous waste concentrations (defined specifically as above 1,000 ppm hydrocarbons) should be transported by a licensed hazardous waste hauler and treated at a facility approved by the California Department of Health Services. Soils contaminated below the hazardous waste threshold may be managed as nonhazardous, but are still subject to the RWQCB's waste discharge requirements. Copies of manifests for such disposal must be sent to this office. Stockpiled soil may not be used to backfill the hole without authorization from this office.

Please submit a work plan to this office by **June 4, 1990**. Copies of the proposal should also be sent to the RWQCB (attention: Lester Feldman). Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day.

If you have any questions about this letter or about remediation requirements established by the RWQCB, please contact the undersigned at 271-4320.

Sincerely,



Gil Wistar
Hazardous Materials Specialist

enclosure

cc: Howard Hatayama, DOHS
Lester Feldman, San Francisco Bay RWQCB
Gil Jensen, District Attorney, Alameda County Consumer and
Environmental Protection Division
Rafat Shahid, Asst. Agency Director, Environmental Health
files

WORK PLAN REQUIREMENTS FOR AN INITIAL SUBSURFACE INVESTIGATION

This outline should be followed by professional engineering or geologic consultants in preparing work plans to be submitted to the RWQCB and local agencies. Work plans must be signed by a California-registered engineer or geologist.

This outline should be referred to in context with the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks" (June 2, 1988).

PROPOSAL FORMAT

I. Introduction

- A. State the scope of work
- B. Provide information on site location, background, and history
 1. Describe the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.
 2. Describe previous businesses at the site.
 3. Provide other tank information:
 - number of underground tanks, their uses, and construction material;
 - filing status and copy of unauthorized release form, if not previously submitted;
 - previous tank testing results and dates, including discussion of inventory reconciliation methods and results for the last three years.
 4. Other spill, leak, and accident history at the site, including any previously removed tanks.

II. Site Description

- A. Describe the hydrogeologic setting of the site vicinity
- B. Prepare a vicinity map (including wells located on-site or on adjoining lots, as well as any nearby streams)
- C. Prepare a site map
- D. Summarize known soil contamination and results of excavation
 1. Provide results in tabular form and show location of all soil samples (and water samples, if appropriate).

Sample dates, the identity of the sampler, and signed laboratory data sheets need to be included, if not already in possession of the County.

2. Describe any unusual problems encountered.
3. Describe methods for storing and disposing of all contaminated soil.

III. Plan for Determining Extent of Soil Contamination

- A. Describe method for determining the extent of contamination within the excavation
- B. Describe sampling methods and procedures to be used
 1. If a soil gas survey is planned, then:
 - identify number of boreholes, locations, sampling depths, etc.;
 - identify subcontractors, if any;
 - identify analytical methods;
 - provide a quality assurance plan for field testing.
 2. If soil borings are to be used to determine the extent of soil contamination, then:
 - identify number, location (mapped), and depth of the proposed borings;
 - describe the soil classification system, soil sampling method, and rationale;
 - describe the drilling method for the borings, including decontamination procedures;
 - explain how borings will be abandoned.
- C. Describe how clean and contaminated soil will be differentiated, and describe how excavated soil will be stored and disposed of. If on-site soil aeration is to be used, then describe:
 1. The volume and rate of aeration/turning;
 2. The method of containment and cover;
 3. Wet-weather contingency plans;
 4. Results of consultation with the Bay Area Air Quality Management District.

Other on-site treatments (such as bioremediation) require permits issued by the RWQCB. Off-site storage or treatment also requires RWQCB permits.

- D. Describe security measures planned for the excavated hole and contaminated soil

IV. Plan for Characterizing Groundwater Contamination

Construction and placement of wells should adhere to the requirements of the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks."

- A. Explain the proposed locations of monitoring wells (including construction diagrams), and prepare a map to scale
- B. Describe the method of monitoring well construction and associated decontamination procedures
1. Expected depth and diameter of monitoring wells.
 2. Date of expected drilling.
 3. Locations of soil borings and sample collection method.
 4. Casing type, diameter, screen interval, and pack and slot sizing technique.
 5. Depth and type of seal.
 6. Development method and criteria for determining adequate development.
 7. Plans for disposal of cuttings and development water.
 8. Surveying plans for wells (requirements include surveying to established benchmark to 0.01 foot).
- C. Groundwater sampling plans
1. Water level measurement procedure.
 2. Well purging procedures and disposal protocol.
 3. Sample collection and analysis procedures.
 4. Quality assurance plan.
 5. Chain-of-custody procedures.

V. Prepare a Site Safety Plan

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 U.S. Windpower Today's Date 3/26/90

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 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)

Site Address 17350 Patterson Pass Rd.
 City Livermore Zip 94550 Phone _____

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. OffSite 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

___ 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:

Removal of a 550-gal. waste oil tank from U.S. Windpower's vehicle/turbine service area in a remote corner of Alameda County.

Tank is double-wall STIP-3 (corrosion-protected) No corrosion on tank.

One soil sample collected from beneath tank - native material is a golden-brown sandstone. There is a slight odor to the material, but no staining.

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
- Monitoring for Existing Tanks**
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
Semi-annual groundwater
One time soils
 - 3) Daily Vadose
One time soils
Annual tank test
 - 4) Monthly Groundwater
One time soils
 - 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. Precis 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: _____

Rev 8/88

Contact: Gil Morales
 Title: FACILITY MGR.
 Signature: Gil Morales

Inspector: _____
 Signature: Gilbert M. Weston

II, III

565623
11/90
333

Resubmittal

ACCEPTED 2/26/90

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 974-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- _____ Removal of Tank and Piping
- _____ Sampling
- _____ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE PERMITS.

* All piping to be removed with tank

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4420

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- Business Name U S A Wind power Inc.
Business Owner 6952 Preston Avenue
- Site Address 17350 PATTERSON PASS RD
City Livermore, Ca. zip 94550 Phone 415-455-6012
- Mailing Address 6952 Preston Avenue
City Livermore, Ca. zip 94550 Phone _____
- Land Owner U S Windpower I N C
Address 6952 Preston Ave City, State Livermore Ca zip 94550
- EPA I.D. No. CAC 000-238-633
- Contractor A A A Tank Removal & Demolation
Address 4900 No. Hi 99 # 206
City Stockton, Ca. 95212 Phone 209-931-0810
License Type A ID# 243520
- Consultant Al Williamson
Address 4900 N Hwy 99 # 206
City Stockton Ca 95212 Phone 209 9316810

47,153
47,234

8. Contact Person for Investigation

Name Al Williamson Title Owner
Phone 209-931-6810

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [] No [X]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Refinery Service EPA I.D. No. 1500
Address P.O. Box 1171
City Paterson State Ca. Zip 95363

b) Rinsate Transporter

Name Refieries Service EPA I.D. No. 1500
Address P. O. Box 1171
City Paterson State Ca. Zip 95363

c) Tank Transporter

Name Erickson EPA I.D. No. 0019
Address 255 Parr Blvd.
City Richmond State Ca. Zip 94801

d) Tank Disposal Site

Name Erickson EPA I.D. No. 0019
Address _____
City _____ State _____ Zip _____

e) Contaminated Soil Transporter

Name Erickson EPA I.D. No. 0019
Address _____
City _____ State _____ Zip _____

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
550	Waste Oil		

14. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [] No []

If yes, describe. Haul Hazardous

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Carter Laboratories
 Address 95 Lostlake Lane
 City Cambell Ca State Ca zip 95008
 State Certification No. C A D 98203660714

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
T P H Gas # Diesel		503 B # B
B T X # E		8020
C L H c		8010
I C A T O R A A		

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer _____ State Fund _____

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) AAA Tank Removal & Demo
Signature Al Williamson
Date 1-9-90

Signature of Site Owner or Operator

Name (please type) GIL MORALES
Signature Gil Morales
Date 1/9/90

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.
5. Triple rinse means that:
 - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

6. Any cutting into tanks requires local fire department approval.

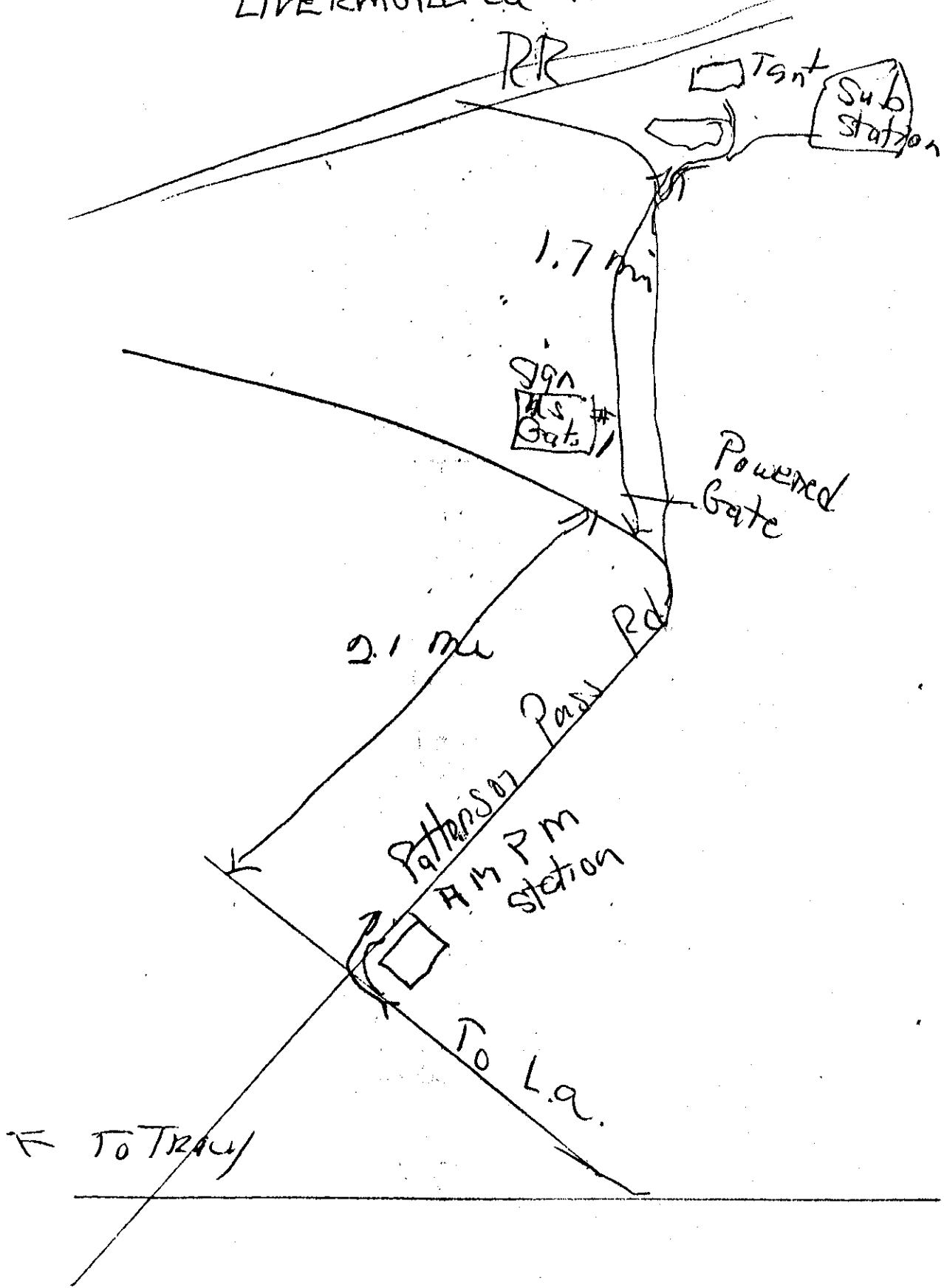
UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

U S Windpower
6952 Preston Ave
LIVERMORE Ca 94550



by AL Williamson

Alameda County H.C.S.A.
Hazardous Materials Division
60 Sunn Day - Room 200
Oakland, California 94621

Ref: Underground Tank

Attention:

SAFETY PLAN FOR TANK REMOVAL

1. Underground alert for pipe location.
2. Pump products from tanks.
3. Inert tank with 15¢ per 1,000 with dry ice one hour prior to removal (minimum).
4. On site gas detector.
5. One fire extinguisher, rating 2D BC.
6. Cap and plug openings. One plug vented for transporting.
7. Remove vent and suction lines to structure or wind. Cap and plug old lines.
8. Tanks will be hauled as hazardous waste.
9. If site is contaminated, shore for safety and fence site of excavation for further study. "Field condition".
10. Experienced foreman and operators on equipment with 35 years in this type of work.
11. Available respirators.

Sincerely,

Al Williamson

CU:gb

**STATE
COMPENSATION
INSURANCE
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

FEBRUARY 6, 1990

POLICY NUMBER: 664854 - 89
CERTIFICATE EXPIRES: 12-21-90

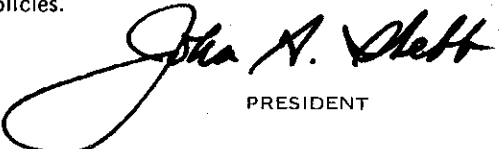
COUNTY OF ALAMEDA
ATTN: HEALTH CARE SERVICES
ENVIRONMENTAL HEALTH
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.


PRESIDENT

Individual Employers and Husband
and Wife Employers are not eligible
for benefits as employees under this
policy.

EMPLOYER

AL G WILLIAMSON AND
HAZEL WILLIAMSON
DBA: AAA TANK REMOVAL & DEMOLITION
AL WILLIAMSON GEN CONTRACTOR
4900 N HWY 99, #206
STOCKTON CA 95212

Permit Application



<input checked="" type="checkbox"/> 01 New Permit	<input type="checkbox"/> 03 Installed before July 1, 1984	<input type="checkbox"/> 05 Renewed Permit	<input type="checkbox"/> 06 Amended Permit
<input type="checkbox"/> 02 Provisional Permit	<input checked="" type="checkbox"/> 04 Installed after July 1, 1984		

I Owner

Name (Corporation, Individual or Public Agency) <u>U.S. Windpower</u>			
Street Address <u>6952 Preston Ave.</u>	City <u>Livermore</u>	State <u>CA</u>	ZIP <u>94550</u>

II Facility

Facility Name <u>U.S. Windpower</u>		Dealer / Foreman / Supervisor	
Street Address <u>6952 Preston Ave.</u>		Nearest Cross Street <u>Vaughn</u>	
City <u>Livermore,</u>		County <u>Alameda</u>	ZIP <u>94550</u>
Mailing Address <u>6952 Preston Ave. 17350 Northern Power Rd.</u>		City <u>Livermore</u>	State ZIP <u>CA 94550</u>
Phone w/area code <u>(415) 455-6012</u>		Type of Business <input type="checkbox"/> 01 Gasoline Station <input checked="" type="checkbox"/> 02 Other: <u>Alternate Energy</u>	
NUMBER OF CONTAINERS AT THIS FACILITY	Rural Area Only:	Township	Range Section

III 24 Hour Emergency Contact Person

Days Name (last name first) and Phone w/area code <u>Gil Morales (415) 455-6012 ext 222</u>	Nights Name (last name first) and Phone w/area code <u>Don Myers (415) 455-4575</u>
--	--

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

IV Description

A. <input checked="" type="checkbox"/> 01 Tank <input type="checkbox"/> 02 Other: _____	Container Number (If there is no number, assign one) <u>3</u>
B. Manufacturer (if appropriate): <u>Redding Tank & Casing</u> Year of Mfg.: <u>1985</u>	C. Year Installed: <u>1985</u> <input type="checkbox"/> Unknown
D. Container Capacity: <u>500</u> gallons <input type="checkbox"/> Unknown	E. Does the Container Store (Check One): <input checked="" type="checkbox"/> 01 Waste <input type="checkbox"/> 02 Product
F. Does the Container Store Motor Vehicle Fuel or Waste Oil? <input checked="" type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No If Yes, Check appropriate box(es): <input type="checkbox"/> 01 Unleaded <input type="checkbox"/> 02 Regular <input type="checkbox"/> 03 Premium <input type="checkbox"/> 04 Diesel <input checked="" type="checkbox"/> 05 Waste Oil <input type="checkbox"/> 06 Other (List): _____ If you answered yes; do not complete Part VIII.	

V Container Construction

A. Thickness of Primary Containment: _____ <input type="checkbox"/> Gauge <input type="checkbox"/> Inches <input type="checkbox"/> cm <input checked="" type="checkbox"/> Unknown
B. <input type="checkbox"/> 01 Vaulted (Located in an underground Vault.) <input checked="" type="checkbox"/> 02 Non-vaulted <input type="checkbox"/> 03 Unknown
C. <input checked="" type="checkbox"/> 01 Double Walled <input type="checkbox"/> 02 Single Walled <input type="checkbox"/> 03 Lined
D. <input checked="" type="checkbox"/> 01 Carbon Steel <input type="checkbox"/> 02 Stainless Steel <input type="checkbox"/> 03 Fiberglass <input type="checkbox"/> 04 Polyvinyl Chloride <input type="checkbox"/> 05 Concrete <input type="checkbox"/> 06 Aluminum <input type="checkbox"/> 07 Steel Clad <input type="checkbox"/> 08 Bronze <input type="checkbox"/> 09 Composite <input type="checkbox"/> 10 Non-metallic <input type="checkbox"/> 11 Earthen Walls <input type="checkbox"/> 12 Unknown <input type="checkbox"/> 13 Other: _____

Container Construction

E. 01 Rubber Lined 02 Alkyd Lining 03 Epoxy Lining 04 Phenolic Lining 05 Glass Lining 06 Clay Lining

07 Unlined 08 Unknown 09 Other: _____

F. 01 Polyethylene Wrap 02 Vinyl Wrapping 03 Cathodic Protection

04 Unknown 05 None 06 tar or asphalt 09 Other: _____

VI Piping

A. Aboveground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction

(Check) appropriate box(es) 06 Unknown 07 None

B. Underground Piping: 01 Double-walled pipe 02 Concrete-lined trench 03 Gravity 04 Pressure 05 Suction

(Check) appropriate box(es) 06 Unknown 07 None

VII Leak Detection

01 Visual 02 Stock Inventory 03 Tile Drain 04 Vapor Sniff Wells 05 Sensor Instrument

06 Ground Water Monitoring Wells 07 Pressure Test 08 Internal Inspection 09 None

10 Other: _____

VIII Chemical Composition of Materials Currently or Previously Stored in Underground Containers
If you checked yes to IV -F you are not required to complete this section.

currently stored	previously stored	CAS # (if known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
<input type="checkbox"/> 01	<input type="checkbox"/> 02		
<input type="checkbox"/> 01	<input type="checkbox"/> 02		
<input type="checkbox"/> 01	<input type="checkbox"/> 02		

Is Container located on an Agricultural Farm? 01 Yes 02 No

Person Filing (Signature)  Phone w/area code (415) 455-6012 ext. 229

For Local Agency Use Only

AGENCY NAME	CITY	COUNTY
CONTACT PERSON	PHONE W/AREA CODE	
INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

FOR STATE USE ONLY

STATE ID. NUMBER	Accounting Number	County Number
Date Received	<input type="checkbox"/> 01	<input type="checkbox"/> 02 <input type="checkbox"/> 03

CUSTOMER NOTE: THE ATTACHED MANILA CARD MUST BE COMPLETED, SIGNED AND RETURNED TO THE STEEL TANK INSTITUTE BEFORE YOUR COPY OF THE LIMITED WARRANTY WILL BE MAILED.

STEEL TANK INSTITUTE
666 DUNDEE ROAD
NORTHBROOK, IL 60062



sti - P₃
**20 YEAR LIMITED
WARRANTY REGISTRATION**

THE FOLLOWING sti-P₃ TANKS
WERE SOLD TO:

Perkins Welding Works
P.O. Box 7317
Sacramento, Calif. 95826

OCT 28 REC'D

THESE TANKS WERE MANUFACTURED TO sti-P₃
SPECIFICATIONS BY:

Redding Tank & Casing
P.O. Box 816
Redding, Calif. 96099

1844640

E18493

DATE DELIVERED	QUANTITY	SIZE & GAUGE	MONITORED	U.L. SERIAL	sti-P ₃ SERIAL
10/22/85	(1)	500 Gal 12 Ga. UG/UL Steel Double Wall Tank 48" Diam. X 84" Long	NO	J163881	28369

IF INSTALLED AT DIFF-
ERENT LOCATION THAN
ABOVE OR RESOLD GIVE
NEW INFORMATION. →

WINDPOWER INC.
2305 SOUTH VASCO RD.
LIVERMORE, CA 94550

I HEREBY CERTIFY THAT THE ABOVE INFORMATION
IS CORRECT.

SIGNED: *Robert Sanderson*
MANUFACTURER

DATE: 10/23/85

CUSTOMER'S OFFICE COPY