

# DIETZ IRRIGATION

*Engineers and Contractors*

**Serving Agriculture and Industry**

Lic. #638281

June 21, 1997

Alameda County Health Care Services Agency  
Department of Environmental Health  
Environmental Protection Division  
1121 Harbor Bay Parkway, Room 250  
Alameda, CA 94502-6577  
Attention: Ms. Madhulla Logan

**Subject: Tank Closure at 31 La Salle Avenue, Piedmont, CA**

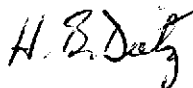
Dear Ms. Logan:

The home heating oil tank formerly located at 31 La Salle Avenue, Piedmont, CA has been removed. The 30 inch diameter 7 foot long tank was installed in broken shale with a sand backfill. No leakage was observed in the excavation nor was any detected in the soil sample taken from directly beneath the tank in the sand backfill. No water was present in the excavation. Attached are copies of

1. Plot Plan showing tank and sample location
2. Chain of Custody for Soil Sample submitted to laboratory for analysis
3. Sample Results for TPH as diesel, BTEX and PNA showing non detect for all analysis
4. Hazardous Waste Manifest for the empty storage tank sent to Erickson, Inc., Richmond, CA for destruction.

No further action is recommended.

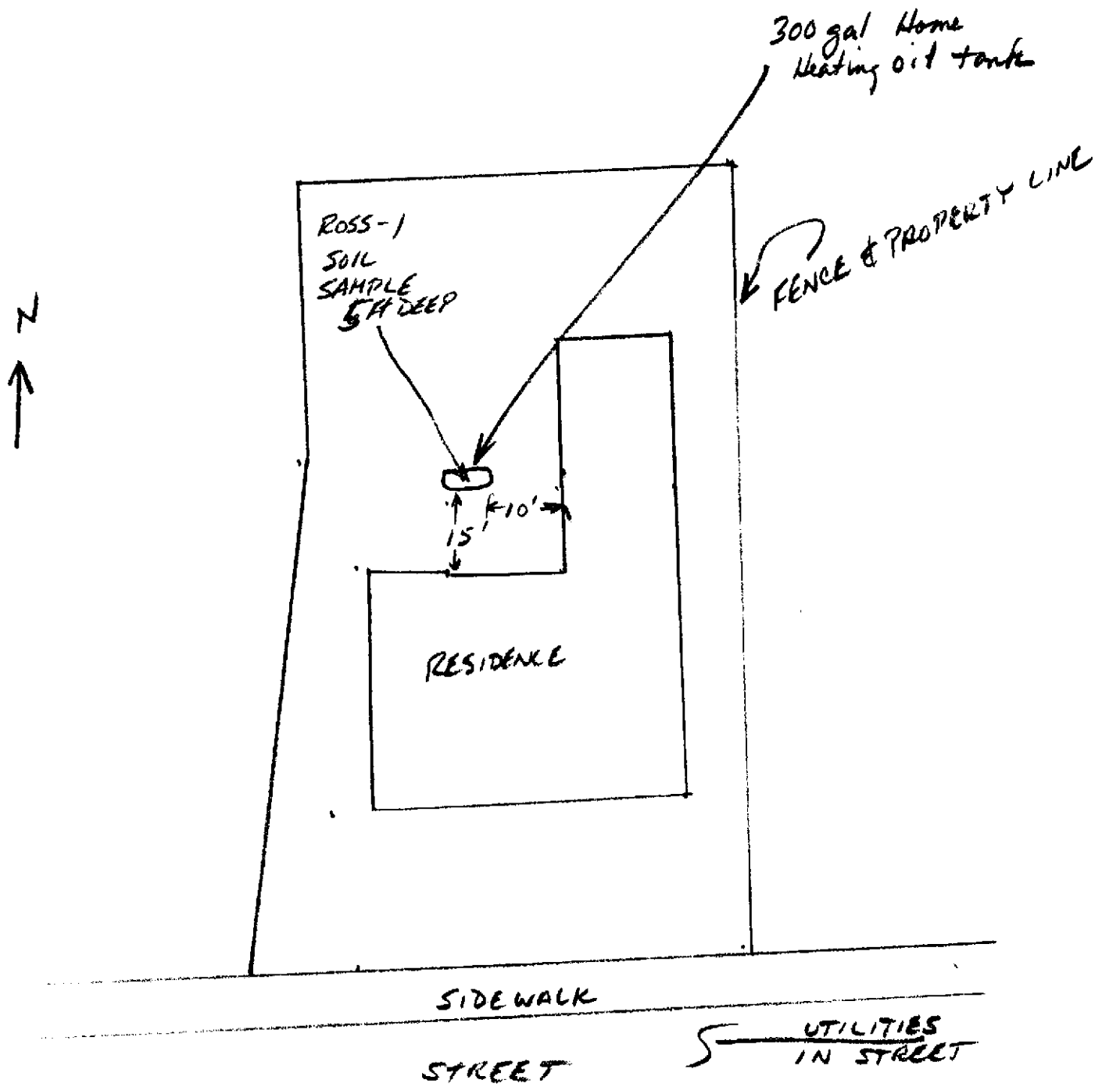
Sincerely yours,



H. B. Dietz

HBD/gwd

Enclosures



SCALE 1" = 20'

31 LA SALLE AVE  
SITE PLAN



# CHROMALAB, INC.

Environmental Services (SDB)

June 19, 1997

Submission #: 9706125

DIETZ IRRIGATION

Atten: H.B. DIETZ

Project: Not provided  
Received: June 12, 1997


re: 1 sample for TEPH analysis.  
Method: EPA 8015M


Sampled: June 11, 1997

Matrix: SOIL  
Run#: 7329

Extracted: June 17, 1997  
Analyzed: June 18, 1997

<u>Spl#</u>	<u>CLIENT SPL ID</u>	<u>Kerosene (mg/Kg)</u>	<u>Diesel (mg/Kg)</u>	<u>Motor Oil (mg/Kg)</u>
135440	ROSS-1	N.D.	N.D.	N.D.
Reporting Limits		1.0	1.0	50
Blank Result		N.D.	N.D.	N.D.
Blank Spike Result (%)		--	94.3	--

  
Bruce Havlik  
Chemist

  
Alex Tam  
Semivolatiles Supervisor

# CHROMALAB, INC.

Environmental Services (SDB)

June 19, 1997

Submission #: 9706125

DIETZ IRRIGATION

Atten: H.B. DIETZ

Project: Not provided  
Received: June 12, 1997

re: One sample for BTEX analysis.  
Method: SW846 8020A Nov 1990

Client Sample ID: ROSS-1

Spl#: 135440

Matrix: SOIL

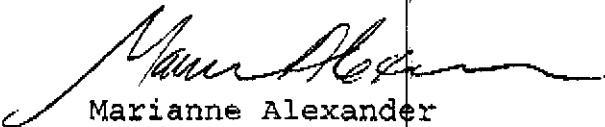
Sampled: June 11, 1997

Run#: 7302

Analyzed: June 18, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BENZENE	N.D.	0.0050	N.D.	101	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	95	1
XYLENES	N.D.	0.0050	N.D.	89	1

  
Kayvan Kimyai  
Chemist

  
Marianne Alexander  
Gas/BTEX Supervisor

# CHROMALAB, INC.

Environmental Services (SDB)

June 19, 1997

Submission #: 9706125

DIETZ IRRIGATION

Atten: H.B. DIETZ

Project: Not provided  
Received: June 12, 1997

re: One sample for Polynuclear Aromatic Hydrocarbons (PAHs) analysis.  
Method: SW846 Method 8270A Nov 1990

Client Sample ID: ROSS-1

Spl#: 135440

Sampled: June 11, 1997

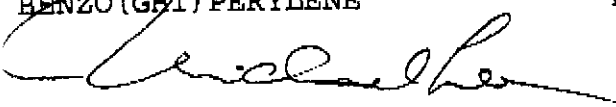
Matrix: SOIL


Run#: 7330

Extracted: June 17, 1997

Analyzed: June 17, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
NAPHTHALENE	N.D.	0.10	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	72.9	1
FLUORENE	N.D.	0.10	N.D.	--	1
PHENANTHRENE	N.D.	0.10	N.D.	--	1
ANTHRACENE	N.D.	0.10	N.D.	--	1
FLUORANTHENE	N.D.	0.10	N.D.	--	1
PYRENE	N.D.	0.10	N.D.	67.8	1
BENZO (A) ANTHRACENE	N.D.	0.10	N.D.	--	1
CHRYSENE	N.D.	0.10	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	0.10	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	0.20	N.D.	--	1
BENZO (A) PYRENE	N.D.	0.035	N.D.	--	1
INDENO (1, 2, 3-CD) PYRENE	N.D.	0.20	N.D.	--	1
DIBENZO (A, H) ANTHRACENE	N.D.	0.20	N.D.	--	1
BENZO (GHI) PERYLENE	N.D.	0.20	N.D.	--	1

  
Michael Lee  
Chemist

  
Chip Poalinelli  
Operations Manager

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAC001227760</b>		Manifest Document No. <b>01095</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>Dr. Joseph Pass 31 La Salle Ave. - Piedmont, Calif.</b>											
4. Generator's Phone <b>510 547-4315</b>											
5. Transporter 1 Company Name <b>Dexanna</b>										6. US EPA ID Number <b>CAD982438566</b>	
7. Transporter 2 Company Name										8. US EPA ID Number	
9. Designated Facility Name and Site Address <b>ERICKSON, Inc. 255 Parr Blvd. Richmond, CA. 94801</b>		10. US EPA ID Number <b>CAD009466392</b>									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.</b>				12. Containers		13. Total Quantity		14. Unit			
				No. Type		Quantity		Wt/Vol			
				<b>0   0   1 T P</b>		<b>00250</b>		<b>P</b>			
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name <b>H.B. Dietz</b> & Phone <b>(909) 832-2910</b> Site Location: <b>31 La Salle Ave. - Piedmont, Calif.</b>											
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 <b>H.B. DIETZ</b>		Signature <i>H.B. Dietz</i>				Month <b>05</b>		Day <b>11</b>		Year <b>97</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <b>James R. Cox</b>		Signature <i>James R. Cox</i>				Month <b>06</b>		Day <b>11</b>		Year <b>97</b>	
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.

# **THE SAN JOAQUIN COMPANY Inc.**

8617 Etcheverry Drive, Tracy, California 95376

## **STATEMENT OF QUALIFICATIONS**

### **Organization**

The San Joaquin Company Inc. is a California Corporation with principal offices in Tracy and Albany, California. It provides professional engineering, planning, regulatory compliance and associated services to clients in industry, agriculture and commerce. Our Principals and engineering personnel hold professional licences to practice in California, Nevada, Texas, Georgia and other jurisdictions of the United States and in the European Union.

### **Mission and Scope of Service**

The mission of The San Joaquin Company Inc. is to provide practical and cost-effective solutions to our clients' needs by application of sound engineering principles. We offer a comprehensive, multidisciplinary service that includes:

Remediation design and engineering for sites affected by hazardous and regulated wastes.

Assessments, engineering, project management and support services for facilities subject to regulatory compliance requirements.

Design and permitting of waste management systems for manufacturing, agriculture and mining.

Irrigation system design.

Stormwater management for compliance with federal and state permitting requirements.

Strategic and economic planning for new and existing facilities.

We can serve as a single source for a complete package of planning, technical and project management services or provide specialized support for a specific project. To support clients that desire turn-key design and construction services we have established a close working relationship with Dietz Irrigation, a Class A General Engineering Contractor with hazardous waste operations certification, that provides construction services for soil and groundwater remediation, waste treatment, stormwater control facilities and irrigation systems.

**Telephone: Tracy, California 209-832-2910 Albany, California 510-527-5515**



## **Planning and Engineering for Quality of the Completed Project**

The San Joaquin Company is dedicated to the principle of quality of the completed project. Achievement of this goal requires not only excellence in the execution of each technical element of the project scope but careful integration of the multidisciplinary components so as to ensure that the results of the planning and engineering effort will result in a constructed project, or environmental restoration program, that cost-effectively serves its intended purpose.

Quality in the completed project demands that the management and execution of each project is directed by professionals with the necessary technical qualifications in each of the engineering disciplines involved, who are cognizant of issues of importance to strategic, economic and business planning, are familiar with regulatory requirements, and have experience with a broad range of construction practices. To ensure that these requirements are met, we assign a principal of the company to be in responsible charge of each of our projects.

For any project, regardless of size or type, but particularly if geotechnical engineering, environmental assessment, or other work requiring evaluation of subsurface conditions or construction in earth materials is involved, an important element of the quality assurance process is the need for direct observation of field conditions by experienced and qualified engineers. Recognizing this, an important element of The San Joaquin Company's service to our clients is to have our senior staff available in the field at any time that critical observations or technical decisions are required during the progress of construction or subsurface investigations.

### **Company Principals**

The San Joaquin Company was founded and organized by Bernie Dietz and Dai Watkins, each of whom have over thirty years experience in engineering, construction and environmental restoration.

Dr. Watkins has advanced degrees in civil and geotechnical engineering from major universities. These include a Doctorate of Philosophy in Geotechnical Engineering awarded by the University of California at Berkeley. He is a registered Civil Engineer, Geotechnical Engineer and Environmental Assessor in California and holds licences to practice professional engineering in Texas, Georgia, Great Britain and the European Union. He has extensive experience in general and project management, contract negotiation, engineering design and research, forensic analysis and expert testimony in both the public and private sectors. His career has extended from a craft apprenticeship to full charge of multi-disciplinary projects and corporate executive responsibility. His technical specialties include: toxic and nuclear waste management, environmental restoration and geotechnical engineering, as well as a broad knowledge of multi-disciplinary engineering practice for public works and specialized applications. He is the author of more than twenty published technical papers and books and has been the invited speaker and panelist at numerous technical conferences.

Mr. Dietz holds a B.S. degree in Chemical Engineering from the University of Southern California and has done graduate work in nuclear engineering. He holds a Class A General Engineering Contractor's licence (with Hazardous Waste Operations endorsement) and is a Registered Environmental Assessor in California. He is a General Engineering Contractor license qualifier in Nevada. Mr. Dietz has broad technical and management experience in nuclear engineering, engineering for agriculture and in hazardous waste management. This includes the management and technical direction of very large, multidisciplinary turn-key projects staffed by up to several hundred engineers with associated support staff. He has been responsible for such projects as, the underground investigations for the Basalt Waste Isolation Project at the Hanford, Washington nuclear reservation and many other major environmental projects involving: site assessments, evaluation and implementation of remedial action programs, construction of environmental protection facilities and other engineering construction.

Dr. Watkins' and Mr. Dietz's resumes are attached.

### **Equipment and Support Services**

Our engineering staff are supported by all the equipment and services necessary to perform engineering analyses and design and for implementation of environmental testing programs. We maintain a comprehensive range of engineering instruments, sampling tools and ancillary equipment and have invested in modern computer equipment that includes i486DX2/66MHz EISA class machines. Additional specialized instrumentation and support services that may be needed to meet project-specific requirements can be supplied by our established vendors. We procure analytical services from a pre-selected list of laboratories each of which is certified by the California Environmental Protection Agency.

To provide an adequate capability to support large-scale subsurface investigations and other in-situ assessment programs, we have arranged with Dietz Irrigation for priority allocation of a wide-range of construction equipment. Equipment available includes pumps, compressors, steam-cleaners, backhoes, trenching machines, front-loaders, bulldozers and large excavators. We procure geotechnical drilling and well-installation services from a select list of contractors who hold the necessary C57 licence issued by the California Contractors State License Board.

# **THE SAN JOAQUIN COMPANY Inc.**

1400 Solano Avenue, No. 12, Albany, California 94706

## **D. J. WATKINS**

### **EDUCATION**

**Ph.D.** (1974); Geotechnical Engineering: University of California at Berkeley.  
**M.Eng.** (1971), Civil Engineering: University of California at Berkeley.  
**D.I.C.** (1969), Soil Mechanics: Imperial College of Science and Technology.  
**M.Sc.** (1969), Civil Engineering: University of London  
**B.Sc. (Hons.)** (1968), Civil Engineering: Polytechnic of Wales.

### **PROFESSIONAL REGISTRATION**

Professional Engineer:	California, Texas, Georgia
Geotechnical Engineer:	California
Chartered Engineer:	Great Britain
European Engineer:	European Union
Registered Environmental Assessor:	California
29 CFR 1910.120 Training Cert.:	U.S. OSHA

### **SUMMARY OF EXPERIENCE**

**Management/Financial:** President and founding Principal of The San Joaquin Company Inc. Previously: at International Technology Corporation managed technical department and hired staff to expand company's ability to respond to a changing market. Advised clients on economics of sale, purchase, and rehabilitation of sites affected by hazardous wastes. At the On-Site Treatment Corporation provided in-house consultant services for design of accounting, financial and project management reporting systems in a venture capital environment. At the MARK Group directed technical departments, prepared bids, procured subcontracts, equipment and materials, and negotiated contracts for remediation services with government and private clients. Managed operations at Serata Geomechanics including consulting services and geotechnical instrument design and manufacture. Negotiated patent licenses and international joint ventures. As an independent consultant, reorganized financial, tax and computer program licensing policies for engineering firm. At Lawrence Berkeley Laboratory managed world's largest triaxial testing facility, and oversaw: funding, personnel and scheduling functions.

**Environmental Engineering:** At I.T., The MARK Group and The On-Site Treatment Corporation directed investigations and remediation of sites affected by toxic and radioactive wastes. Designed closures of landfills and surface impoundments, NPDES and TPOS discharges. Supervised construction of environmental protection facilities including construction of: retention ponds, waste vaults, and double-walled piping systems with electronic leak detection systems. Applied groundwater recovery and treatment technologies, in-situ and on-surface bioremediation of soil affected by organics and fixation treatment of soil affected by

toxic metals. Negotiated regulatory compliance and site closure agreements according to SARA, CERCLA and California Title 22 and Title 23 requirements.

**Nuclear Waste Disposal:** Principal Investigator at Lawrence Berkeley Laboratory for geotechnical, hydrogeologic, hydrothermal, instrumentation and repository design studies in support of the Basalt Waste Isolation Project. Advised Nuclear Regulatory Commission during development of regulations for disposal of high-level nuclear waste.

**Mining:** Geotechnical consultant with Serata Geomechanics, Inc. for deep mines in evaporitic and hard rock and storage cavities for petrochemicals. Developed and applied new mining methods for mines in North America, Japan and Europe. At the University of California evaluated feasibility of nuclear excavation technology.

**Offshore Engineering:** Project engineering in marine geotechnology with McClelland Engineers Inc. Lead multi-disciplinary geologic, geophysical and geotechnical studies of stability of continental shelf at site of world-record depth oil platform. Developed innovative methods for evaluation of effects of hurricanes on sea floor sediments.

**Public Works:** Broad experience in municipal engineering with the County Borough of Newport. Projects included: landfills, river diversions, highways, sewerage, traffic engineering, street lighting, housing development and urban planning.

**Research/Teaching:** Doctoral research in wave propagation in layered media at the University of California at Berkeley including development of finite element methods. Teaching assistant for graduate program in soil mechanics. At LBL researched flow through fractured rock, hydrothermal phenomena and rock mechanics. Member U.S. Department of Energy research policy committee.

**Expert Testimony:** Expert witness for litigation involving foundation failure, release of hazardous materials, and loss of containment of waste disposal facilities. Prepared testimony for U.S. Congress. Provided key testimony in litigation related to mine flooding settled in client's favor for \$28 million.

**Publications:** Author of more than twenty published technical papers and books. Invited speaker and panelist at numerous technical conferences.

## **PROFESSIONAL AFFILIATIONS**

Member: American Society of Civil Engineers  
Member: Institution of Civil Engineers  
Member: British Geotechnical Society  
Fellow: Geological Society  
Member: International Society for Soil Mechanics and Foundation Engineering  
Member: International Society for Rock Mechanics

# **THE SAN JOAQUIN COMPANY Inc.**

1400 Solano Avenue, No. 12, Albany, California 94706

## **H. B. DIETZ**

### **EDUCATION**

**B.S.** (1962), Chemical Engineering: University of Southern California  
**Graduate Work** (1963), Nuclear Engineering: Pierce College

### **PROFESSIONAL LICENSES**

Class A General Engineering Contractor: (with Hazardous Waste Operations Endorsement)	California
Registered Environmental Assessor:	California
General Engineering Contractor Licence Qualifier	Nevada
29 CFR 1910.120 Training Cert.:	U.S. OSHA

### **SUMMARY OF EXPERIENCE**

**Management/Financial:** Vice President and founding Principal of The San Joaquin Company Inc. Owner: Dietz Irrigation, a Class A General Engineering Contractor. Owner: Dietz Farms of Washington and California, a commercial producer of apples and other fruits. Previously: as General Manager, The MARK Group Construction Engineers Inc., established the companies capability and reputation in construction for environmental protection facilities and remedial action projects. As Director, Northwest Engineering Operations, International Technology Corporation, expanded a small engineering department into a major corporate profit center providing comprehensive regulatory compliance and environmental restoration services to large industrial and government clients throughout the northwestern United States. President, The OnSite Treatment Corporation - a venture-capital funded, hazardous waste treatment contractor. Over a twenty year career with Rockwell International, a leading nuclear engineering and advanced technology company, held various management positions of increasing responsibility in engineering, quality assurance, procurement, material control, and construction.

**Environmental Engineering:** As reflected by the corporate executive and senior management positions he has held with companies specializing in environmental management and restoration, Mr. Dietz has extensive experience in environmental engineering. His technical specialities include: project-specific technology evaluation for waste management and environmental restoration projects, management of turn-key remediation projects involving: problem assessment, remediation design, cost control and regulatory compliance, and on-site treatment of hazardous wastes, contaminated soil, contaminated groundwater, and other regulated materials. He has been successful in cleaning up and negotiating the legal closure of numerous sites affected by hazardous wastes and regulated materials subject to both Federal and California regulations. Following is an illustrative list of some typical projects for

which he has had responsibility. Examples of the technologies with which he is experienced are also included.

Directed the feasibility study for remediation of the Hamilton Air Force Base Landfill including an in-person presentation a remediation plan to the Secretary of the Army that was acceptable to the U.S. Army Corps of Engineers, the State of California and the acquiring property owner.

Managed a \$10 million, fast-track remediation project at Hamilton Air Force Base involving removal and disposal of major underground tank farms and on-site treatment of contaminated soil on a 300-acre site.

Directed construction for closure and capping of nine wastewater lagoons affected by explosives residues and other regulated substances at Lawrence Livermore National Laboratory. Proposed design changes to improve the environmental integrity of the closures. The design revisions were approved by the Laboratory's engineer and adopted in the construction.

Directed: remedial investigations and feasibility studies (RI/FS), engineering designs, preparation of closure and operating permit applications, technology selection and remedial construction for:

- Major Landfill - Contra Costa County, California
- Truck Manufacturing Plant, Newark, California
- High-rise Building Development - San Francisco Waterfront.
- Packaging Manufacturing Facilities - several locations in The San Joaquin Valley, California.
- Tire Manufacturing Facility - Monterey County California.
- Aluminum Can Manufacturing Plants - several locations in Northern California.
- Steel Finishing Mill - Northern California
- Oil Refineries - Northern and Central California

Directed on-site treatment of hazardous and regulated materials at numerous industrial facilities and waste sites by application of technologies appropriate to the project-specific conditions, including:

- Stabilization of heavy metals in soil.
- Precipitation of heavy metals from waste water prior to discharge to the public sewerage system.
- Stabilization of liquid and semi-solid wastes in Class I hazardous waste lagoons.
- Aeration and bioremediation of soil affected by hydrocarbon fuels.
- In-situ bioremediation of contaminated soil and groundwater.
- Treatment of contaminated groundwater by air-stripping and activated carbon adsorption.

**Nuclear Waste Disposal:** Directed the underground investigations for the Basalt Waste Isolation Project, Hanford, Washington. This project involved the investigation of subsurface geology and hydrogeology and design of major underground shafts and excavations to evaluate the suitability for the site for storage of high-level nuclear waste. The program required development of new methods of geotechnical testing, construction of world-record scale drilling tools for opening of shafts up to 15 ft. in diameter to depths of 3,800 ft. in rock with a compressive strength of 50,000 psi. The project management schedule identified 8,000 tasks of which some 1,000 were active at any given time. The project had an annual budget of \$60 million and a total cost of over \$300 million. Mr. Dietz's responsibilities included: maintaining liaison with, and providing technical and management information to, United States Senator's and Congressmen, senior officials of the Department of Energy, the Nuclear Regulatory Commission, international delegations, technical consultants and committees, and the local and national press, and negotiating contact and working conditions with major engineering companies, construction contractors and labor unions.





6. Contractor Dietz Irrigation  
Address 8617 Etcheverry Drive  
City Tracy, CA 95376 Phone (209) 832-2910  
License Type\* A HAZ ID# 638281

\*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) The San Joaquin Company, Inc.  
Address 1400 Solano Avenue #12  
City, State Berkeley, CA Phone (510) 527-5515

8. Main Contact Person for Investigation (if applicable)  
Name Dai Watkins Title Principal  
Company The San Joaquin Company, Inc.  
Phone (510) 527-5515

9. Number of underground tanks being closed with this plan 1  
Length of piping being removed under this plan 5 - 10 ft.  
Total number of underground tanks at this facility (\*\*confirmed with owner or operator) 1

*home heat*

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

\*\* Underground storage tanks must be handled as hazardous waste \*\*

a) Product/Residual Sludge/Rinsate Transporter

Name Erickson EPA I.D. No. CAD 009466392  
Hauler License No. 0019 License Exp. Date 5/31/97  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name same EPA ID# \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



14. Describe methods to be used for rendering tank(s) inert:

Dry ice

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. Tank History and Sampling Information \*\*\* (see instructions) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
300 gallon	1950 (estimated)	soil	6 ft. <i>1 sample below the tank</i>

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

**Excavated/Stockpiled Soil**

<p><b>Stockpiled Soil Volume (estimated)</b></p> <p>3 - 5 cubic yards</p>	<p><b>Sampling Plan:</b></p> <p>No planned sampling of soil stockpile unless contaminated soil observed.</p>
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Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [ ] no [] unknown

If yes, explain reasoning Hole will be backfilled only if no contaminated soil is discovered.

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:  
 The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.  
 See attached Table 2.
17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH diesel BTXE  PNA's Semi-volatile EPA 8270 method	To be determined by lab	diesel - 8015 BTEX - 8020 PNAS - 8270	

18. Submit Worker's Compensation Certificate copy

Name of Insurer State Compensation Insurance Fund

19. Submit Plot Plan **\*\*\* (See Instructions) \*\*\***

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that 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 approval from the Environmental Protection Division 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 health and safety. 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.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Dietz Irrigation

Name of Individual H. B. Dietz

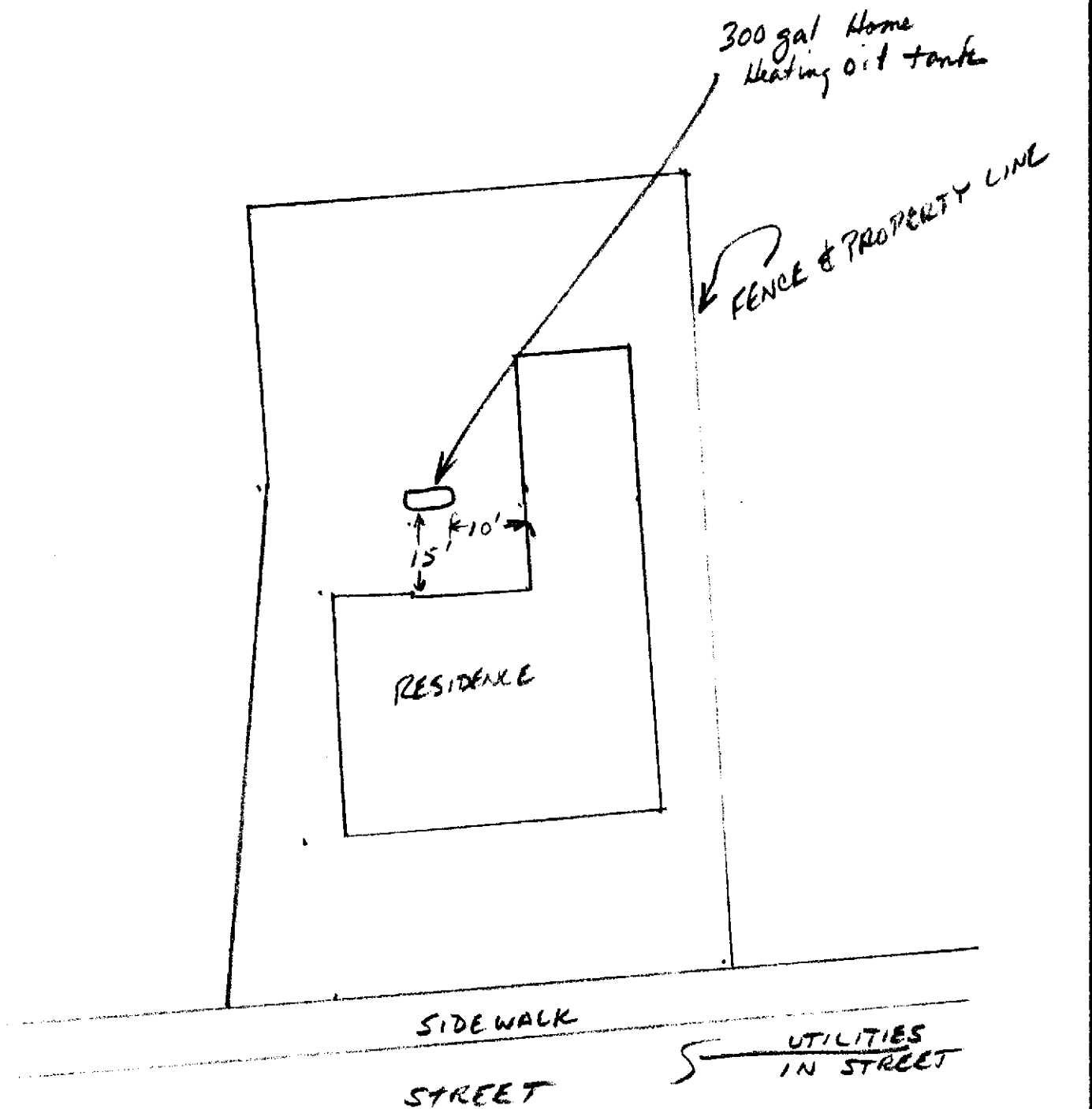
Signature H. B. Dietz Date 5/1/97

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business N/A

Name of Individual Dr. & Mrs. Joseph Ross

Signature Joseph Ross Date 5/2/97



31 LA SALLE AVE  
SITE PLAN

State of California

# Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code  
and the Rules and Regulations of the Contractors State License Board,  
the Registrar of Contractors does hereby issue this license to:

DIETZ IRRIGATION



to engage in the business or act in the capacity of a contractor  
in the following classification(s):  
A - GENERAL ENGINEERING CONTRACTOR  
HAZ - HAZARDOUS SUBSTANCES REMOVAL



Witness my hand and seal this day,  
February 20, 1992

*H. B. Dietz*

Signature of Licensee

*H. B. Dietz*

Signature of License Qualifier

Issued February 20, 1992

This license is the property of the Registrar of Contractors, is not  
transferrable, and shall be returned to the Registrar upon demand  
when suspended, revoked, or invalidated for any reason. It becomes  
void if not renewed.

*David R Phillips*

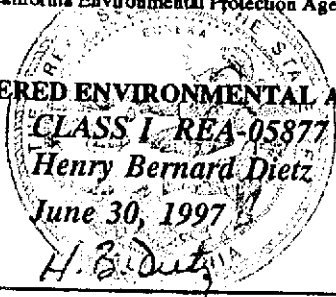
Registrar of Contractors

638281

License Number

State of California  
California Environmental Protection Agency

**REGISTERED ENVIRONMENTAL ASSESSOR**



Issued to:

*Henry Bernard Dietz*

Expires on:

*June 30, 1997*

Signature \_\_\_\_\_

*H. B. Dietz*



**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

APRIL 16, 1997

POLICY NUMBER: 1338336 - 97  
CERTIFICATE EXPIRES: 3-1-98

DR. JOSEPH ROSS  
31 LA SALLE  
PIEDMONT CA 94711

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.

*Tom Hansen*

AUTHORIZED REPRESENTATIVE

*KC Bollier*

PRESIDENT

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: \$1,000,000 PER OCCURRENCE

EMPLOYER

DIETZ, H.B. AND DIETZ, GRETA  
DBA: DIETZ IRRIGATION  
8617 ETCHEVERRY DR.  
TRACY CA 95376

# Certificate of Award

THIS CERTIFIES THAT

1199

H. B. DIETZ

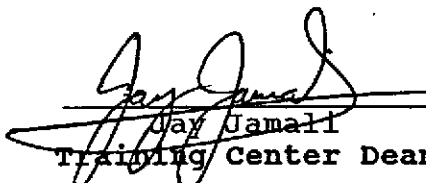
successfully completed the initial 40 Hour requirements  
listed under OSHA Regulation 29 CFR 1910.120  
HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE

this twenty-second day of April 1990

Provided by: Geo Line Safety Services  
1940 The Alameda  
San Jose, CA 95126-1428



**Geo Line**  
Safety  
Services

  
Jay Jamall  
Training Center Dean



# Certificate of Award

THIS CERTIFIES THAT

1102S

H. B. DIETZ

successfully completed the **8 HOUR SUPERVISORY** requirements  
listed under OSHA Regulation 29 CFR 1910.120  
HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE

this ninth day of June 1990

Provided by: **Geo Line Safety Services**  
1940 The Alameda  
San Jose, CA 95126-1428



**Geo Line**  
Safety  
Services

*Jay Jamali*  
Jay Jamali  
Training Center Dean



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A**  
COMPLETE THIS FORM FOR EACH FACILITY/SITE



<b>MARK ONLY ONE ITEM</b>	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

**I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)**

DBA OR FACILITY NAME N/A		NAME OF OPERATOR N/A		
ADDRESS 31 La Salle Avenue		NEAREST CROSS STREET	PARCEL # (OPTIONAL)	
CITY NAME Piedmont		STATE CA	ZIP CODE 94611	SITE PHONE # WITH AREA CODE (510) 547-4315
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input checked="" type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY * <input type="checkbox"/> STATE-AGENCY * <input type="checkbox"/> FEDERAL-AGENCY *				
* If owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST				
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR	<input type="checkbox"/> 3 FARM
		<input type="checkbox"/> 4 PROCESSOR	<input checked="" type="checkbox"/> 5 OTHER	<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS
		# OF TANKS AT SITE 1	E. P. A. I. D. # (optional)	

**EMERGENCY CONTACT PERSON (PRIMARY)**

**EMERGENCY CONTACT PERSON (SECONDARY) - optional**

DAYS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE		DAYS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	
NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE		NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	

**II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)**

NAME Dr. & Mrs. Joseph Ross		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 31 La Salle Avenue		<input checked="" type="checkbox"/> box to indicate <input checked="" type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME Piedmont		STATE CA	ZIP CODE 94611	PHONE # WITH AREA CODE (510) 547-4315

**III. TANK OWNER INFORMATION - (MUST BE COMPLETED)**

NAME OF OWNER Same		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME		STATE	ZIP CODE	PHONE # WITH AREA CODE

**IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.**

TY (TK) HQ   -       Exempt - Residence - Home heating oil.

**V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED**

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 7 STATE FUND
	<input type="checkbox"/> 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER	<input type="checkbox"/> 9 STATE FUND & CERTIFICATE OF DEPOSIT	<input type="checkbox"/> 10 LOCAL GOVT. MECHANISM	<input type="checkbox"/> 99 OTHER			

**VI. LEGAL NOTIFICATION AND BILLING ADDRESS** Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:    I.     II.     III.

*THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT*

TANK OWNER'S NAME (PRINTED & SIGNATURE) Dr. & Mrs. Joseph Ross	TANK OWNER'S TITLE Home Owner	DATE	MONTH/DAY/YEAR
---	----------------------------------	------	----------------

**LOCAL AGENCY USE ONLY**

COUNTY # <input type="text" value=""/> <input type="text" value=""/>	JURISDICTION # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	FACILITY # <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.  
OWNER MUST 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 B**



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 31 La Salle Avenue, Piedmont, CA 94611

**I. TANK DESCRIPTION** COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # <u>none</u>	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>1930</u>	D. TANK CAPACITY IN GALLONS: <u>300</u>

**II. TANK CONTENTS** IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED
<input type="checkbox"/> 3 CHEMICAL PRODUCT		<input type="checkbox"/> 1c MIDGRADE UNLEADED
<input type="checkbox"/> 4 OIL		<input type="checkbox"/> 2 LEADED
<input type="checkbox"/> 80 EMPTY		<input type="checkbox"/> 3 DIESEL
<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 4 GASAHOL
		<input type="checkbox"/> 5 JET FUEL
		<input checked="" type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Home heating oil 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 SYSTEM	B. TANK MATERIAL (Primary Tank)	C. INTERIOR LINING OR COATING
<input type="checkbox"/> 1 DOUBLE WALL	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 1 RUBBER LINED
<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 2 ALKYD LINING
<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 3 EPOXY LINING
<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 5 GLASS LINING
	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input checked="" type="checkbox"/> 6 UNLINED
	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 95 UNKNOWN
	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP	<input type="checkbox"/> 99 OTHER
	<input type="checkbox"/> 9 BRONZE	
	<input type="checkbox"/> 10 GALVANIZED STEEL	
	<input type="checkbox"/> 95 UNKNOWN	
	<input type="checkbox"/> 99 OTHER	

D. EXTERIOR CORROSION PROTECTION

<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
<input type="checkbox"/> 5 CATHODIC PROTECTION	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) no OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) no  
DROPTUBE YES NO X STRIKER PLATE YES NO X DISPENSER CONTAINMENT YES NO X

**IV. PIPING INFORMATION** CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	B. CONSTRUCTION	C. MATERIAL AND CORROSION PROTECTION	D. LEAK DETECTION
A U 1 SUCTION	A U 1 SINGLE WALL	A U 1 BARE STEEL	<input type="checkbox"/> 1 MECHANICAL LINE LEAK DETECTOR
A U 2 PRESSURE	A U 2 DOUBLE WALL	A U 2 STAINLESS STEEL	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING
A U 3 GRAVITY	A U 3 LINED TRENCH	A U 3 POLYVINYL CHLORIDE (PVC)	<input type="checkbox"/> 3 CONTINUOUS INTERSTITIAL MONITORING
A U 4 FLEXIBLE PIPING	A U 95 UNKNOWN	A U 4 FIBERGLASS PIPE	<input type="checkbox"/> 4 ELECTRONIC LINE LEAK DETECTOR
A U 99 OTHER	A U 99 OTHER	A U 5 ALUMINUM	<input type="checkbox"/> 5 AUTOMATIC PUMP SHUTDOWN
		A U 6 CONCRETE	<input checked="" type="checkbox"/> 99 OTHER <u>none</u>
		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 95 UNKNOWN	
		A U 99 OTHER	

**V. TANK LEAK DETECTION**

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

**VI. TANK CLOSURE INFORMATION** (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1/1/50</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE) <u>Dr. &amp; Mrs. Joseph Ross</u>	DATE
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**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	

# **DIETZ IRRIGATION**

**Engineers and Contractors**

**Serving Agriculture and Industry**

Lic. #638281

## **SITE SPECIFIC HEALTH & SAFETY PLAN**

**31 LA SALLE AVENUE  
PIEDMONT, CALIFORNIA**

### **KEY INFORMATION**

Site Safety Manager - H. B. Dietz

Site Phone - Residence (510) 547-4315

Site Portable phone (209) 482-7769

Emergency Contact - Greta Dietz (209) 832-2910

Site Map - See attachment

Hospital - Summit Medical Center  
350 Hawthorne Ave.  
Oakland, CA  
(510) 869-6600

Fire/Ambulance - 911

### **GENERAL DESCRIPTION OF THE JOB**

Phases of this job include:

- o Excavation to expose underground storage tank
- o Inert the tank to reduce the oxygen content and verify that the oxygen content is below lower explosive limit
- o Remove tank and piping
- o Obtain sample to verify condition beneath tank, using backhoe
- o Load and ship tank off site for disposal
- o Backfill and compact excavation

## **HAZARDS BY WORK TASK**

- o Heavy equipment will be used for excavation. This heavy equipment represents a crushing hazard. All personnel must remain beyond the extent of swing of equipment to prevent accidental impact with heavy equipment.
- o An explosion hazard exists during tank removal. Dry ice will be used to inert the tank and an oxygen analyzer will be used to verify that the lower explosive limit is below that which would sustain an explosion.
- o Sampling of soil beneath tank. No entry of personnel will be permitted to the excavation when the excavation is greater than 5 feet unless the excavation is properly sloped or shored. In this case the sampling will be performed by removal of the soil in the backhoe bucket and sampling will be performed at the surface from the backhoe bucket.

## **CHEMICAL HAZARDS**

The tank to be removed contained home heating oil (similar to diesel fuel) and has not been used for 30 plus years. Volatile vapors are not considered to be of concern.

## **TANK LOADING FOR OFF SITE SHIPMENT**

The 300 gallon tank which is quite small will be loaded on a small truck for off site disposal. During loading it will be imperative that all personnel remain at a safe distance until the load is deposited on the truck.

Backfill will be accomplished using a wacker and since the excavation is shallow personnel will be in excavation less than 5 feet. The major problem with backfill is that improper operation of the compaction equipment could result in injury to the foot. Steeltoed shoes will be required for this operation.

## **SITE SECURITY**

The site is fenced with the exception of the driveway which will be controlled with a barricade. In the event that soil contaminated with hydrocarbons is observed the area will be barricaded and taped if the excavation is to be left open.

## **PROTECTIVE CLOTHING**

Protective clothing required for this operation will be cotton clothing. Gloves will be used to protect hands (skin) if contact with home heating oil is possible. Steeltoed boots are required when operating the compactor. No other protective clothing is required.

## **PERSONNEL EXPOSURE**

Since the tank contained only home heating oil, over 30 years ago, no vapors will be present. The only requirements are to clean hands prior to eating and at the end of the day using hand cleaner and/or soap and water.

## **TRAINING REQUIREMENTS**

Attached is the 40 hour certificate and site supervisory training certificate for the only person who will be required for this tank removal.

## **ACKNOWLEDGEMENT OF SAFETY PLAN BY SITE PERSONNEL INVOLVED IN TANK REMOVAL AND TO THE OPERATIONS ADJACENT TO THE TANK REMOVAL**

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