# ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

October 6, 2003

Mr. Dennis O'Keefe Golden Gate Petroleum 501 Shell Avenue Martinez, 94553 ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Re:

Fuel Leak Case No. RO160, Hayward Bulk Petroleum Distribution Facility, 1565 Industrial

Parkway, Hayward

Dear Mr. O'Keefe:

This letter follows staff review of the historic fuel leak case file for the above referenced site, up to and including the April 4, 2003 Bonkowski & Associates, Inc. 1<sup>st</sup> quarter 2003 sampling and monitoring report. We are concerned that that there are elevated concentrations of residual hydrocarbons still present in soil at the site, that the extent of the contaminant plume is still largely unknown, and that the mechanisms controlling the migration of these hydrocarbons are not yet well understood or evaluated. We are also concerned that this site lies along the northern fringes of the Niles Cone groundwater basin, a groundwater basin used for municipal water supplies.

This letter presents a request to complete a three-dimensional characterization of the release by way of a Soil and Water Investigation (SWI), and completion of a Site Conceptual Model (SCM) and Corrective Action Plan (CAP) for the subject site in accordance with California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, Article 11, "Corrective Action Requirements"; State Water Resources Control Board Resolution 9249, "Policies and Procedure for Investigation, Cleanup and Abatement of Discharges Under Water Code Section 13304"; and the Regional Water Quality Control Board (Regional Board) Water Quality Control Plan for the basin.

The following technical comments address investigation and related performance objectives that shall be considered as part of the required SCM, SWI, and CAP. We request that you prepare and submit a work plan for the SWI that addresses the following comments.

#### TECHNICAL COMMENTS

A substantial release of petroleum hydrocarbons was identified in 1998 from several source areas across this large contiguous site. Measurable free-phase product (FP) was first observed in an underground storage tank (UST) observation well in July 1998. This well served a tank cluster that included both gasoline and diesel USTs. Beginning in November 1998 through January 1999, nine (9) USTs were removed from five discrete locations about the site. FP was reportedly identified on groundwater encountered in all but one of the resultant UST excavations, as well as in soil encountered beneath product lines and dispensers. Multiple leak sources were identified, most significant of which were leaking product conveyance and vapor return lines and gate valve. Further, additional product lines were discovered abandoned in place during the course of this removal project, some of which were subsequently removed, while others were left in situ. These lines appear to have served a previous generation of USTs.

Mr. Dennis O'Keefe

Re: 1565 Industrial Parkway, Hayward

October 6, 2003 Page 2 of 6

Up to 260,000 ug/l of the fuel oxygenate Methyl tert-Butyl Ether (MtBE) was identified in water sampled from the UST observation well prior to initiation of the 1998 closures. Initial soil samples collected at the time of UST, piping, and dispenser removals included Total Petroleum Hydrocarbons as Diesel (TPH-D) as high as 5700 mg/kg, Benzene as high as 18 mg/kg, and MtBE as high as 100 mg/kg, at depths of 12' below grade (bg). Residual soil concentrations, after substantial over excavation efforts, revealed up to 26,000 mg/kg of TPH-D, 1500 mg/kg of TPH as Gasoline (TPH-G), 26 mg/kg of Benzene, and 12 mg/kg of MtBE at depths between 8 and 17' bg.

Boring logs representing materials encountered during the September 2002 installation of seven (7) monitoring wells report sequences of sand, sandy gravel/gravelly sand, silty sand, sandy clay, and clay to total depths explored of between 25 and 32' bg. Groundwater was reportedly encountered at the time of drilling at depths of 13 – 13.5' bg in five of seven wells. Groundwater was reportedly not encountered at the time of drilling in two wells (MW-1 and MW-6) where logs report the absence of higher permeability lithologies, e.g., sand. All wells were constructed with 15 or 20' screens.

Drilling logs suggest that encountered sediments were deposited in a fluvial, or stream, environment. These depositional environments make more difficult the ability to identify the location of dissolved-phase groundwater plumes. Plumes often exploit high-permeability channel deposits typical of fluvial environments, features easily missed using "traditional" petroleum investigation techniques. Further, other subsurface features, such as utility trenches or previous subsurface construction remnants, e.g., backfilled excavations, can divert groundwater plumes in directions that might otherwise not be anticipated.

Consequently, a Preferential Pathway Study, Site Conceptual Model and Soil and Water Investigation are required to fully investigate and evaluate the releases at this site.

#### 1. Preferential Pathway Study

A conduit / preferential pathway study shall be prepared for the site that identifies potential migration pathways and conduits (utilities, storms drains, etc.) that may be present at, and in the general vicinity of, the site. This survey must include, among other components, the submittal of comprehensive map(s) clearly showing the location and depth of all utility lines and trenches identified in the study, utility/trench slope or grade, flow directions, and type of backfill materials present. You shall also identify the presence of other anthropogenic or geogenic features that may also act as potential preferential flow pathways. Data shall be interpreted and a professional opinion rendered as to whether or not any identified features may present potential plume migration pathways.

You shall also identify the presence of all wells within a ½ mile radius of the site (i.e., monitoring and production wells; active, inactive, standby, destroyed, abandoned). Include a listing of all wells within this radius, their use and status, date of completion, total depth and screen interval(s), as well as a map showing their locations relative to the site.

Mr. Dennis O'Keefe

Re: 1565 Industrial Parkway, Hayward

October 6, 2003 Page 3 of 6

Using the results of the conduit / preferential pathway study and other data discussed, below, you are to develop the initial three-dimensional *Site Conceptual Model* (SCM) of site conditions. You are to use this initial SCM to determine the appropriate configuration for sampling points in the pending SWI phase of work at this site. Discuss your analysis and interpretation of the results of the conduit studies and explain your rationale for the configuration of sampling points in the SWI work plan.

#### 2. Site Conceptual Model

Starting with a critical review of the conduit / preferential pathway studies, data from previous investigations and tank operational records for this site, as well as those derived from logs of supply wells within ½ mile of the site, followed by an evaluation of regional and area-specific geology and hydrogeology based on published U.S. Geological Survey and California Geological Survey reports, as well as other reports published for public works or other projects in the general vicinity of the site, you are to develop the initial three-dimensional SCM of site conditions. You should include in the SCM a series of cross-sections drawn along transects both normal and parallel to the anticipated groundwater flow direction to illustrate your interpretation of underlying geology, the locations of utility corridors and trenches, and other salient features.

An SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely impacts to receptors, among other possible topics to be considered. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point the SCM is considered "validated". The validated SCM forms the foundation for developing the most cost-effective final Corrective Action Plan (CAP).

Your attention is directed to "Strategies for Characterizing Subsurface Releases of Gasoline Containing MtBE", American Petroleum Institute Publication No. 4699 dated February 2000 as a resource for development of the SCM. Your attention is also directed to the State Water Resources Control Board (SWRCB) "Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Final Draft", dated March 27, 2000, as well as the June 2002 ChevronTexaco Energy Research and Technology Company technical bulletin entitled "Mass Flux Estimates to Assist Decision-Making" to help in development and strategies for refinement of the SCM, among other related tasks. I can provide copies of any of these documents if you need them.

You are requested to use this initial SCM and referenced guidance documents to help you determine the appropriate configuration for samplings points in the pending SWI phase of work at this site. Please discuss in the SWI work plan your analysis and interpretation of the results of the conduit study and SCM, and explain your rationale for the configuration of proposed sampling points.

Mr. Dennis O'Keefe

Re: 1565 Industrial Parkway, Hayward

October 6, 2003 Page 4 of 6

#### 3. Contaminant Plume Definition

Further assessment is necessary to better understand site geology and hydrogeology, determine the mode of contaminant transport from the source areas, and to refine the SCM. We therefore request a three-dimensional investigation. Vertical <u>and</u> horizontal distribution of impacts is to be determined. Multiple transects of sampling points across and along the (anticipated) plume axes are anticipated. The SWI work plan, the scope of which should be substantially based on the completed SCM, shall present your plan to accomplish these tasks.

Conventional investigation techniques and monitoring well networks currently used at fuel leak sites are generally insufficient to adequately characterize modern fuel impacts, including those caused by MtBE and other oxygenates. It is recommended that your investigation initially incorporate expedited site assessment techniques and borings. The borings are to be continuously cored and logged, with close attention paid to changes in lithologies that might facilitate solute transport (e.g., silty/sandy stringers in otherwise fine grained sediments).

In general, soil samples should be collected for laboratory analysis at 5-foot intervals, areas of obvious contamination, the soil/groundwater interface, and at <u>each</u> lithologic change noted during boring advancement, at a minimum. Water samples are to be collected <u>at discrete depths</u> to total depth explored. Detailed cross-sections, fence diagrams, structural contours and isopachs, and rose diagrams for groundwater flow (incorporating all groundwater data), should be subsequently incorporated into the SWI report. Cross-sections should be scaled to clearly illustrate subsurface lithologies, including the locations of stringers and other zones of relatively higher permeability, particularly in those areas where such zones may be intercepted by buried utilities.

Final well locations and screen depths will be substantially based on the results of the SWI and refined SCM. The monitoring of multiple discrete water-bearing zones with short-screened intervals should be anticipated in most cases, and is fully dependent upon what is found during the SWI. Generally, these screened intervals should not be greater than 3' in length. We will expect that the Interim SWI Report will propose the locations of such wells, the anticipated well screen depths, their configurations (e.g., single well, well cluster or multi-level, as appropriate), and the reasoning behind the location and configuration of each.

Discuss your proposal for performing this work outlined, above, in the SWI work plan. The results of the conduit studies and the initial SCM are to be discussed in the SWI work plan to justify your proposed scope of work.

Expedited site assessment tools and methods are a scientifically valid and cost-effective approach to fully define the three-dimensional extent of the plume. Technical protocol for expedited site assessments are provide in the US EPA "Expedited Site Assessment Tools for Underground Storage Tank Sites: A guide for Regulators" (EPA 510-B-97-001), dated March 1997.



## State Water Resources Control Board

**Division of Clean Water Programs** 

1001 I Street • Sacramento, California 95814 P.O. Box 944212 • Sacramento, California • 94244-2120 (916) 341-5757 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf

aba Gadon 925-957-1926

Gray Davis

Environmental
Protection The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov.

December 20, 2001

Bay Area/Diablo Petroleum Co. 1001 Galaxy Way #308 Concord, CA 94520

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 013771, PA # 1 SITE ADDRESS: 1565 INDUSTRIAL PKWY W, HAYWARD, CA 94544

I have reviewed your request, received on December 7, 2001, for pre-approval of corrective action costs. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the May 31, 2001, Bonkowski & Associates, Inc. workplan approved by the Alameda County EHD (County) in their September 10, 2001 letter, is \$ 21,484; see the table below for a breakdown of costs. (The total amount that has been reimbursed and approved for payment up to this point is \$ 784,251.)

Be aware that this pre-approval does not constitute a decision on reimbursement: **necessary** (as determined by the Fund) corrective action costs for action work **directed and approved by the County** will be eligible for reimbursement at costs consistent with those pre-approved in this letter. However, depending on what happens in the field, some costs may not actually be necessary.

In an effort to expedite future reimbursement requests associated with the implementation of the corrective action tasks pre-approved in this letter, we ask that the attached 'Pre-Approval Specific Reimbursement Request Form' be completed, updated and submitted with each reimbursement request. All relevant supporting documentation must also be included with each reimbursement request.

In order for future costs for corrective action to be part of the expedited reimbursement process, they must be pre-approved in writing by Fund staff.

All costs for corrective action must meet the requirements of Article 11, Chapter 16, Underground Storage Tank Regulations in order to be eligible for reimbursement.

#### COST PRE-APPROVAL BREAKDOWN

#	Task*	Amount Pre-Approved	Comments
1	Well Installation, PM, Analytical & Report	\$21,484	This cost includes all time and materials associated with this task. (Install 7 MWs to 30', Permitting, Health and Safety Plan, Analytical and Report.)
	TOTAL PRE-APPROVED	\$ 21,484	

<sup>\*</sup> Task descriptions are the same as those identified in Bonkowski & Associates, Inc.'s November 21, 2001 cost estimate.

- Only the tasks/costs reflected on the above table are pre-approved at this time. The Fund will
  review any tasks/costs that go beyond the pre-approved amount to be determined if the
  additional tasks and costs are necessary and reasonable. However, if costs exceed the above
  pre-approved amounts, the Fund will be unable to expedite your Reimbursement Request.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the Bonkowski & Associates, Inc. proposal in my pre-approval
  above, please be aware that you will be entering into a private contract: the State of
  California cannot compel you to sign any specific contract. This letter pre-approves the
  costs as presented in the proposal dated November 21, 2001 by Bonkowski & Associates,
  Inc. for conducting the work approved by the County.

I also want to remind you that the Fund's regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary future corrective action work. If you need assistance in procuring contractor and consultant services, don't hesitate to call me.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this preapproval before you will be reimbursed. Please insure that your consultant prepares their invoices to include the required breakdown of costs on a time and materials basis, that invoiced tasks are consistent with the original proposal, and that reasonable explanations are provided for any changes made in the scope of work or increases in the costs.

# ALAMEDA COUNTY HEALTH CARE SERVICES

#### **AGENCY**



DAVID J. KEARS, Agency Director

**STID 1408** 

September 10, 2001

Mr. Terri Penny Operation Coordinator Golden Gate Petroleum 501 Shell Avenue Martinez, CA 94553

Demis O'Keefe, mones

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Re: Hayward Cardlock, 1565 Industrial Parkway West, Hayward, CA

Dear Mr. Terri:

I am in receipt of "Site Investigation Workplan" dated May 31, 2001 along with an amendment dated 9/4/01 by Ms. Cynthia Dittmar of Bonskowski & Associates Inc. regarding the above referenced site.

I have reviewed the above documents and discussed the issues with Ms. Dittmar of Bonskowski & associates Inc. Your proposal is acceptable. However, the location of wells must be properly situated to reveal quarterly groundwater status accurately per my discussion with Ms. Dittmar.

The number of monitoring well installations might be added to seven due to the site of the lot, the way former tanks were situated, and proper collection of water samples. As you are aware there was a high degree of contamination at this site, including some Separate Phase Hydrocarbons (SPH), of which 49,700 gallons have been removed so far. The analytical results of the water samples, in the past, had revealed up to 140,000 parts per billion (ppb) TPHG, 1520ppb benzene, 230ppb ethylbenzene, 250ppb toluene, 220ppb total xylenes, and 260,000ppb MTBE. The analytical results of the soil samples, in the past, had identified up to 100,000 ppm MTBE, 980ppm TPHG, 5,700ppm TPHD, and 18,000ppb, 1,800ppb, 27,000ppb, 54,000ppb levels of BTEX respectively.

However you may reduce the number of monitoring well installations if you can ensure this reduction in monitoring well installation will not cause insufficient information regarding plume definition and or misrepresentation of actual groundwater status during sampling and analysis.

Additionally, I understand that you will include a well and sensitive receptor survey will be performed as well.

Please be advised that the City of Hayward will oversee any work relating to the 1998 UST upgrade requirements. However, this office will oversee any contaminated soil or groundwater that is generated from this work.

Should you have any questions or comments, please contact me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS Hazardous Materials Specialist

CC: Ms. Cynthia Dittmar, Bonskowski & Associates Inc., 6400 Hollis Street, Suite 4, Emeryville, CA 94608 Files

# ALAMADA COUNTY HEALTH CARE SERVICES

**AGENCY** 



DAVID J. KEARS, Agency Director

Stid 1408

May 7, 2001

Mr. Terri Penny Operation Coordinator Golden Gate Petroleum 501 Shell Avenue Martinez, CA 94553 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Re: Required investigations at Hayward Cardlock, 1565 Industrial Parkway West, Hayward, CA

Dear Mr. Terri:

This office has tried to make contact with your company's representative regarding several Underground Storage Tanks (USTs), which were removed in 1998 from the above referenced site. Having talked to Mr. Kevin Cline and others of Golden Gate Petroleum, I realized that your company's office has moved to Martinez and Mr. Harvey Brook left the company about a year ago. However, as you are aware, after the UST removal, there were several soil and grab groundwater samples, collected from the site, which revealed existence of contaminants due to unauthorized release from the former USTs. The groundwater and soil samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHG), Methyl Tertiary Butyle Ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX). The analytical results of the water samples revealed up to 140,000 parts per billion (ppb) TPHG, 1520ppb benzene, 230ppb ethylbenzene, 250ppb toluene, 220ppb total xylenes, and 260,000ppb MTBE. The analytical results of the soil samples identified up to 100,000 ppm MTBE, 980ppm TPHG, 5,700ppm TPHD, and 18,000ppb, 1,800ppb, 27,000ppb, 54,000ppb levels of BTEX respectively.

I understand that you were unaware of correspondences by this office due to change in office address as well as the departure of Mr. Brook. However, it is imperative that you comply with the requirements set forth by this office. Per Article 11, Division 3, Chapter 16, Title 23 of the California Code of Regulations, you are required to conduct a Preliminary Site Assessment (PSA) to determine the lateral and vertical extent and severity of soil and groundwater contamination, which has resulted from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The major elements of such an investigation, include, but are not limited to, the following:

• At least one groundwater monitoring well must be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to groundwater flow. In the absence of data identifying the local confirmed downgradient direction, a minimum of three wells will be required to verify gradient direction. During the installation of these wells, soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.

Subsequent to the installation of the monitoring wells, these wells must be surveyed to an
established benchmark (mean sea level, MSL), with an accuracy of 0.01 foot.
 Groundwater samples are to be collected and analyzed quarterly.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. All reports and proposals must be submitted under a seal of a California –Registered Geologist, -Certified Engineering Geologist, or – Registered Civil Engineer.

The PSA proposal is due within 60 days of date of this letter by July 7, 2001. Once the proposal is approved, fieldwork should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this office approves a change in sampling frequency or the site qualifies for closure. Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of
  field observations and data, boring and well construction logs, water level data, chain-ofcustody forms, laboratory results for all samples collected and analyzed, tabulations of
  free product thicknesses and dissolved fractions, etc.
- Status of groundwater contamination characterization
- Interpretations of results: water level contour maps showing gradients, free and dissolved product, plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation

Additionally, Per my discussion with Ms. Cynthia Dittmar of Bonskowski & Associates previously, you are required to include a well survey and address the known domestic well(s).

The City of Hayward will oversee any work relating to the 1998 UST upgrade requirements. However, this office will oversee any contaminated soil or groundwater that is generated from this work.

The State Water Resources Control Board manages an Underground Storage Tank Cleanup Fund (Fund) to help eligible Responsible Parties to obtain reimbursement for costs of investigating and remediating releases from petroleum underground storage tanks. You are encouraged to apply. To obtain an Application Package, contact the Fund at the following:

State Water Resources Control Board Division of Clean Water Programs UST Cleanup Fund P.O. Box 944212 Sacramento, CA 944212 Telephone: (916)227-4307 You are also advised to contact Cheryl Gordon at (916)-227-4539 with any questions regarding State Trust fund.

Please be advised that this is a formal request for a work plan pursuant to Section 2722(c)(d) of Title 23 California Code of Regulations. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

Please respond to above by May 21, 2001, otherwise a Notice of Violation.

If you have any questions or comments, please contact me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS

Hazardous Materials Specialist

CC: Ms. Cynthia Dittmar, Bonskowski & Associates Inc., 6400 Hollis Street, Suite 4, Emeryville, CA 94608

Files

AGENCY

DAVID J. KEARS, Agency Director



September 7, 1999

STID 1408

Mr. Harvey Brooke Golden Gate Petroleum 1001 Galaxy Way, Suite 308 Concord, CA 94520 ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 (510) 337-9335 (FAX)

RE: Golden Gate Petroleum, 1565 Industrial Pkwy West, Haywawrd, CA 94544

Dear Mr. Brooke:

I received a phone call from your consultant, Ms. Cynthia Dittmar of Bonskowski & Associates Inc regarding the letter I sent you on August 16<sup>th</sup>, 1999 and the landlord notification and participation law. As indicated in that letter this law pertains to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST).

Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter.

Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

I included two sample letters, "Sample Letter 2" and "Sample Letter 3" with some instructions for you.

Enclosed please find a copy of the law regarding the above requirement.

Please call me at (510) 567-6876 if you have any questions.

Sincerely,

Amir K. Gholami, REHS Hazardous Materials Specialist C: Ms. Cynthia Dittmar, Bonskowski & Associates Inc., 6400 Hollis
 Street, Suite 4, Emeryville, CA 94608
Files

## ALAMEDA COUNTY HEALTH CARE SERVICES

**AGENCY** 



DAVID J. KEARS, Agency Director

Stid 1408

August 24, 1999

Mr. Harvey Brook Golden Gate Petroleum 1001 Galaxy Way Concord, CA 94520 **ENVIRONMENTAL HEALTH SERVICES** 

1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 (510) 337-9335 (FAX)

Re: Required investigations at Hayward Cardlock, 1565 Industrial Parkway West, Hayward, CA

Dear Mr. Brook:

As you are aware, several Underground Storage Tanks were removed in 1998 from the above referenced site. Soil samples were collected from the site. The groundwater and soil samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHG), Methyl Tertiary Butyle Ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX). Analysis results of the water samples identified up to 140,000 parts per billion (ppb) TPHG, 1520ppb benzene, 230ppb ethylbenzene, 250ppb toluene, 220ppb total xylenes, and 260,000ppb MTBE. Analysis results of the soil samples identified up to 100,000 ppm MTBE, 980ppm TPHG, 5,700ppm TPHD, and 18,000ppb, 1,800ppb, 27,000ppb, 54,000ppb levels of BTEX respectively.

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- Subsequent to the installation of the monitoring wells, these wells must be surveyed to an
  established benchmark (mean sea level, MSL), with an accuracy of 0.01 foot.
   Groundwater samples are to be collected and analyzed quarterly.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. All reports and proposals must be submitted under a seal of a California –Registered Geologist, -Certified Engineering Geologist, or – Registered Civil Engineer.

The PSA proposal is due within 60 days of date of this letter by March 9, 1999. Once the proposal is approved, fieldwork should commence within 60 days. A report must be submitted

within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this office approves a change in sampling frequency or the site qualifies for closure. Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

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- Interpretations of results: water level contour maps showing gradients, free and dissolved product, plume definition maps for each target component, geologic cross sections, etc.
- Recommendations or plans for additional investigative work or remediation

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If you have any questions or comments, please contact me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS Hazardous Materials Specialist

CC: Ms. Cynthia Dittmar, Bonskowski & Associates Inc., 6400 Hollis Street, Suite 4, Emeryville, CA 94608

Files

# ALAMEDA COUNTY ENVIRONMENTAL HEALTH Transfer of Eligible Local Oversight Case To Alameda County

Date Transferred: 4/27/99 From: HAYWARD FIRE DEPT.
Site Name: GOLDEN GATE PETROLEUM
Site Address: 1565 INDUSTRIAL PLWY. W. Hayward, CA 94544
TO BE ELIGIBLE FOR LOP, THE CASE MUST MEET 3 QUALIFICATIONS:
(1) Y N Tank(s) Removed? If YES, how many were removed?
When were tanks removed? $\frac{11/3b/98 - 1/5/99}{}$
(2) (Y) N Samples Received? If YES, give maximum contamination level
in soil 980 mg/kg TPH9 in water 9:8 mg/li: 12,000 mg/li:
(3) Y N Petroleum in tank(s)? If YES, indicate type(s):
☐ Avgas ☐ Leaded gas ☐ Fuel Oil ☐ Jet fuel
Diesel Waste Oil Kerosene Other Solvent
Please send all pertinent information before and after tank removal.
Provide name and address of Responsible Party:
Name of Responsible Party: MR. HARVEY BROOKE / Golden Gale Petroleum BAY ALEA DIABLO PETROLEUM CO.
In what capacity? Tank Owner Tank Operator Property Owner
Address of Responsible Party: 1001 Galaxy Way, Suit 308
CONCORD, CA 94520
Tel. (925) 603 - 8670

5/1/99 090

500 # 1408

# ALAMEDA COUNTY ENVIRONMENTAL HEALTH Transfer of Eligible Local Oversight Case To Alameda County

Date Transferred: 4/27/99 From: HAYWARD FIRE DEPT.
Site Name: GOLDEN GATE PETROLEUM  Site Address: 1565 INDUSTRIAL PEWY. W. Hayward, CA 94544
TO BE ELIGIBLE FOR LOP, THE CASE MUST MEET 3 QUALIFICATIONS:
(1) Y N Tank(s) Removed? If YES, how many were removed? 9  When were tanks removed? 11/30/48 - 1/5/49
(2) Y N Samples Received? If YES, give maximum contamination level  in soil 980 mg/tg TPH9 in water 9.8 mg/L:  5700 mg/L:  12,000 mg/L:  (3) Y N Petroleum in tank(s)? If YES, indicate type(s):
□ Avgas □ Leaded gas □ Tuel Oil □ Jet fuel  Diesel □ Waste Oil □ Kerosene □ Other Solvent
Please send all pertinent information before and after tank removal.
Provide name and address of Responsible Party:
Name of Responsible Party: MR. HARVEY BROOKE Golden Gale Petroleum  BAY ALEA DIABLO PETROLEUM CO.  In what capacity? Tank Owner Tank Operator Property Owner
Address of Responsible Party: 1001 Galaxy Way, Suite 308  CONCORD, CA 94520  Tel. (925) 603-8670

printed: 08/16/1999

# HEALTH CARE SERVICES (Name / Needs Changing and Hand to LOP Data Entry (Name / Address changes go to Annual Programs Data Entry)

DAVID J. KEARS, Agency Director

Insp: AG

AGENCY # : stiD :		-0- 1131 Harbor Bay Parkway, Suite 250
	Golden Gate Petroleum	Algrena CAREPORTED : 11/30/1998 (5 DAGE) (5 DAGE
ADDRESS :	1565 -0 Industrial Pkwy W	DASEE93SONFIRMED: 01/05/1999
CITY/ZIP :	Hayward 94544	MULTIPLE RPs : N

#### SITE STATUS

CASE TYPE: O CONTRACT STATUS: 1 PRIOR COD	E:-0- EMERGENCY RESP: -0-
	DATE COMPLETED: 08/16/1999
RP SEARCH: s	DATE COMPLETED: -0-
PRELIMINARY ASMNT: - DATE UNDERWAY: -0-	
REM INVESTIGATION: - DATE UNDERWAY: -0-	DATE COMPLETED: -0-
REMEDIAL ACTION: - DATE UNDERWAY: -0-	DATE COMPLETED: -0-
POST REMED ACT MON: - DATE UNDERWAY: -0-	DATE COMPLETED: -0-
POST KEMED ACT MON DATE ONDERWAT.	

ENFORCEMENT ACTION TYPE: -	DATE ENFORCEMENT ACTION TAKEN: 08/16/1999
LUFT FIELD MANUAL CONSID: -0-	DATE CAGE CLOCED0-
CASE CLOSED: -	DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED: -0-	REMEDIAL ACTIONS TAKEN: -0-

## RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Harvey Brooke

COMPANY NAME: Golden Gate Petroleum ADDRESS: 1001 Galaxy Way, Suite308

CITY/STATE: Concord, Ca 94520

		INSPECTOR VERIFICAT	TION:
NAME		SIGNATURE	DATE
Name/Address	Changes Only	DATA ENTRY INPUT	Case Progress Changes
ANNPGMS	LOP	DATE	LOP DATE



December 3, 1998

Michael S. Bonkowski, Senior Managing Principal Cynthia A. Dittmar, Senior Engineer Bonkowski & Associates 3650 Mount Diablo Blvd., Suite 200 Lafayette, California 94549

RE:

GOLDEN GATE PETROLEUM

1565 Industrial Pkwy. West, Hayward, California

Dear Mr. Bonkowski and Ms. Dittmar:

This confirms our discussion yesterday when I went out to the site captioned above where you are currently supervising the removal of underground storage tanks and the related soil and groundwater investigation and remediation activities.

As proposed in your Interim Remedial Measures Workplan dated September 24, 1998, overexcavation and dewatering will be conducted to remove hydrocarbons from subsurface soil and groundwater adjacent to the tank cavities at the time the tanks are removed. You also proposed to install a collection trench in the excavation backfill for floating product. We hereby endorse your proposed measures which are judicious and expedient, given the conditions obtaining at the site, i.e. product leaching off the excavated soil and floating on water in the excavation.

Overexcavation, however, might require a grading permit from the City. Please contact Mr. Jim Lear of Engineering and Transportation at (510) 583-4785 to verify this requirement. And should you find it necessary to discharge groundwater to the City's sanitary sewer system after it has been collected and treated, contact Gayle Tupper of the Water Pollution Source Control at (510) 881-7993 for their requirements. Treated water may also be discharged to the storm sewer system with a National Pollutant Discharge Elimination System (NPDES) Permit from the Regional Water Quality Control Board. Please contact Mr. Chuck Headlee of the Regional Board at (510) 622-2433.

May we also remind you that a full report on the tank removal, as described in the Removal Plan filed with us, is due within 30 days of the completion of this phase of the project. The investigation, delineation, and remediation of confirmed contamination is a separate phase altogether, which requires separate plans and reports.

Sincerely,

Danilo M. Galang

Environmental Specialist

cc: Hugh Murphy, Hazardous Materials Program Coordinator

Steve Buscovich, Hazardous Materials Investigator

William Martin, Golden Gate Petroleum

	UNDERGROUND STORAGE TANK UNAUTHORIZE	D RELEASE (LEAK) / CONTAMINATIO	N SITE REPORT	
EME	EMERGENCY  HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?  YES XX NO  HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED?  YES XX NO  FOR LOCAL AGENCY USE ONLY  1 HERBY CERTIFY THAT I HAVE DISTRIBUTED? THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM,			
REPO	ORT DATE CASE #	Jano a Land	9/14/98	
Q.	7 M 3 H 1 H 9 V 8 V	SIGNED	DATE	
100	NAME OF INDIVIDUAL FILING REPORT PHONE			
8	William Martin :925	0) 603-8670	tr	
TED 1	REPRESENTING XX OWNER/OPERATOR REGIONAL BOARD	Golden Gate Petroleum		
REPORTED	LOCAL AGENCY OTHER	Gorden date Fetroreum		
2	1001 Galaxy Way, Ste. 308	Concord Cy	ATE 94520 ZIP	
	NAME	CONTACT PERSON	PHONE	
RESPONSIBLE PARTY	Golden Gate Petroleumunknown	William Martin	(925 ) 603-8670	
PARTY	ADDRESS		0.4500	
RESI	1001 Galaxy Way, Ste. 308		A 94520 ZIP PHONE	
	FACILITY NAME (IF APPLICABLE)	OPERATOR Details	(925 ) 603-8670	
NO	Hayward Cardlock	Golden Gate Petroleum	1925 7 003-0070	
SITE LOCATION	ADDRESS   1565	Hayward Ala	neda 94544	
13L	CROSS STREET	CITY	1	
00	Ruus Road			
5		CONTACT PERSON	PHONE	
NTIN	Hayward fire Department	Danny Galang	( <sub>510</sub> ) 583-4910	
MPLEMENTING	REGIONAL BOARD DI 1800 Co To DO	W 10.55	PHONE	
IMP	Bay Area RWOCB-San Francis a Ba	y office trayer	QUANTITY LOST (GALLONS)	
SES	(1) NAME (	J	UNKNOWN	
SUBSTANCES	Cascline (2)			
SUB	Diesel	-	UNKNOWN	
F		ENTORY CONTROL XX SUBSURFACE MONITORING	NUISANCE CONDITIONS	
BATEMENT	0 N 7 N 2 D 9 D 9 N 8 TANK TEST TAN	NK REMOVAL OTHER	ADDI VI	
	DATE DISCHARGE BEGAN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT REMOVE CONTENTS CLOSE TANK & REMOV		
/ERY	M M D D Y Y IXX UNKNOWN	REPAIR TANK CLOSE TANK & FILL IN		
DISCOVERY/A	HAS DISCHARGE BEEN STOPPED?  YES VV NO IF YES, DATE	REPLACE TANK OTHER		
	SOLIBOE OF DISCHARGE CAUSE(S)	Ψ		
SOURCE	TANK LEAK XX UNKNOWN	VERFILL RUPTURE/FAILURE	SPILL	
Sou	PIPING LEAK OTHER	ORROSION XX UNKNOWN	OTHER	
33 1	L CHECK ONE ONLY		NAVE ACTUALLY DEEM AFFECTED	
CASE	UNDETERMINED SOIL ONLY GROUNDWATER	DRINKING WATER - (CHECK ONLY IF WATER WELLS	S HAVE ACTUALLY BEEN AFFECTED)	
	CHECK ONE ONLY	POLLUTION CH	ARACTERIZATION	
CURRENT	NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION  LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS			
2	REMEDIATION PLAN CASE CLOSED (CLEANUP COM		RWAY	
JAL	CHECK APPROPRIATE ACTION(S)  VY EXCAVATE & DISPOSE (E	ED) REMOVE FREE PRODUCT (FP)	ENHANCED BIO DEGRADATION (IT)	
	(SEE BACK FOR DETAILS)  CAP SITE (CD)  EXCAVATE & TREAT (ET)	PUMP & TREAT GROUNDWATER (GT)	REPLACE SUPPLY (RS)	
REMEDIAL	CONTAINMENT BARRIER (CB) NO ACTION REQUIRED (N	NA) TREATMENT AT HOOKUP (HU)	VENT SOIL (VS)	
-	VACUUM EXTRACT (VE) OTHER (OT)			
6	10: 10:	11 1 0 0		
COMMENTS	M USTS at this gite is to meet 1998 Upgrade Regi	mil de replaced		
MOS	to 1000 1 1000 1 1000 00 0000	inversional.	*	
"	is meet 1778 wpgrade regu	A LI DO FOR TO .	HSC 05 (8/90)	



October 14, 1998

Michael S. Bonkowski, Senior Managing Principal Cynthia A. Dittmar, Senior Engineer Bonkowski & Associates 3650 Mount Diablo Blvd., Suite 200 Lafayette, California 94549

RE: 1565 Industrial Pkwy. West, Hayward, California

Dear Mr. Bonkowski and Ms. Dittmar:

We have reviewed the Interim Remedial Measures (IRM) Workplan for the Golden Gate Petroleum facility at the address captioned above. The report, dated September 24, 1998, was received at our office yesterday, October 13, 1998.

The IRM Workplan, as written, is fairly comprehensive and straightforward. Based on the stated goals and discussion of work to be done, we are accepting your IRM Workplan and fully expect that you will implement it faithfully. We particularly endorse the proposed manner of backfilling of the excavation, as described. We would also like to note that this is an interim plan and that an interim report will be prepared after the excavation, sampling and analysis, and backfilling components of the plan have been effected. We shall then expect another workplan for future investigation and/or remediation activities that may be proposed for the site.

Incidentally, there is a ninth underground storage tank at the site: a 1,000-gallon used oil tank located inside the shop building, on the northwest corner. We have <u>never</u> received any monitoring reports or tightness test reports for this tank. Is there a particular reason this tank was left out in your IRM Workplan? Is this ninth tank included in Golden Gate's plan to upgrade their facility?

We look forward to receiving the actual UST Removal Plan for this site. If you have any questions, call us at (510) 583-4925.

Sincerely,

Danilo M. Galang

Environmental Specialist

cc: Hugh Murphy, Hazardous Materials Program Coordinator Steve Buscovich, Hazardous Materials Investigator William Martin, Golden Gate Petroleum

#### STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD



## UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE	
MARK ONLY  1 NEW PERMIT  3 RENEWAL PERMIT  5 CHANGE OF INFORMATION  7 PERMANENTLY CLOSED SITE  ONE ITEM  2 INTERIM PERMIT  4 AMENDED PERMIT  6 TEMPORARY SITE CLOSURE	
I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)	
DBAPR FACILITY NAME BAY HEA! DIADO PETROLERIM CO BAY EXCA DIADO PETROLEIM CO ADORESS NEAREST CROSS STREET PARCEL # (OPTIONAL)  NEAREST CROSS STREET PARCEL # (OPTIONAL)	
CITY NAME STATE ZIP CODE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE TO THE STATE SITE PHONE # WITH AREA CODE SITE PHONE # WITH AREA COD	
TO INDICATE CORPORATION INDIVIDUAL PARTNERSHIP LOCAL-AGENCY COUNTY-AGENCY STATE-AGENCY FEDERAL-AGENCY DISTRICTS	Y
TYPE OF BUSINESS 1 GAS STATION 2 DISTRIBUTOR RESERVATION OR TRUST LANDS NIFE E. P. A. I. D. # (optional)	
EMERGENCY CONTACT PERSON (PRIMARY) EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)  PHONE # WITH AREA CODE  NIGHTS: NAME (LAST, FIRST)  PHONE # WITH AREA CODE  PHONE # WITH AREA CODE  NIGHTS: NAME (LAST, FIRST)  PHONE # WITH AREA CODE  NIGHTS: NAME (LAST, FIRST)  PHONE # WITH AREA CODE  PHONE # WITH AREA CODE  NIGHTS: NAME (LAST, FIRST)  PHONE # WITH AREA CODE  PHONE # WITH AREA CODE	י י
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)	
NAME MARAL TRUCKING INC	v
MAILING ON STREET, ADDRESS  1230 Wh. PPLE RUAD.    CORPORATION   PARTNERSHIP   COUNTY-AGENCY   FEDERAL-AGENCY   STATE   ZIP CODE   PHONE # WITH AREA CODE   COUNTY-AGENCY   PHONE # WITH AREA CODE   PH	
JAION City, CA- CA 94551 310-397-C47	
III. TANK OWNER INFORMATION -; (MUST BE COMPLETED)	
BAY AREA / DIAble Pextoleum Co	:Y
1001 GRIAXY WAY - SUITE 308 X CORPORATION PARTNERSHIP COUNTY-AGENCY FEDERAL-AGE	
Concord CA 94520 S10-603-8670	
IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 323-9555 if questions arise.	
TY (TK) HQ 44-66346	
V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED	
✓ box to indicate ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BON☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 100 OTHER ☐ 100	iD
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:	
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT	
APPLICANT'S NAME (PRINTED & SIGNATURE)  APPLICANT'S TIFLE  MORE - MONTH/DAY/YEAR  MGR OT OPERATION  1-11-93	
LOCAL AGENCY USE ONLY	
COUNTY# JURISDICTION# FACILITY#	

#### STATE WATER RESOURCES CONTROL BOARD

#### UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK CNLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA LDIANO PENROLEGIA CO
I. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # HAY # 1 B. MANUFACTURED BY: PERKINS WELLING
C. DATE INSTALLED (MO/DAY/YEAR) 1981 D. TANK CAPACITY IN GALLONS: 12 TOO
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1b PREMIUM UNLEADED 5 JET FUEL 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL (Primary Tank)  1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER 99 OTHER
C. INTERIOR LINING  1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 6 UNLINED 95 UNKNOWN 99 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D, CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A 1 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND  A U 1 BARE STEEL  A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION  A U 5 ALUMINUM  A U 6 CONCRETE  A U 7 STEEL W/ COATING  A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION  A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION  A U 95 UNKNOWN  A U 99 OTHER  . / / / / / / / / /
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER LOOK DE TESTE
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION / /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING MADE GALLONS SUBSTANCE REMAINING GALLONS SUBSTANCE REMAINING SUBSTANCE
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJUNY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANTS NAME (PRINTED & SIGNATURE) CARY ROWE DETURE 1-11-93
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  STATE I.D.#
PERMIT NUMBER 93-260 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE 1-98

#### STATE WATER RESOURCES CONTROL BOARD





#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA / DIASIO PEROPERTY CO
I. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I. D. # HAY # 2 B. MANUFACTURED BY: PERKINS Welding
C. DATE INSTALLED (MO/DAY/YEAR) FAII 1981 D. TANK CAPACITY IN GALLONS: 12, 200
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A.
////
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK  MATERIAL  S CONCRETE  B POLYVINYL CHLORIDE  T ALUMINUM  B 100% METHANOL COMPATIBLE W/FRP  (Primary Tank)  B BRONZE  10 GALVANIZED STEEL  3 FIBERGLASS  4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC  4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC  TOWN METHANOL COMPATIBLE W/FRP  10 GALVANIZED STEEL  95 UNKNOWN  99 OTHER  10 GALVANIZED STEEL
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  LINING  5 GLASS LINING  6 UNLINED  95 UNKNOWN  99 OTHER  IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?  YES  NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A(U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEELW/COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER LOOK DETECTION
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ALLONS SHARE FILLED WITH YES NO SUBSTANCE REMAINING ALLONS SHARE FILLED WITH YES NO SUBSTANCE REMAINING ALLONS SHARE FILLED WITH YES NO SUBSTANCE REMAINING ALLONS SHARE FILLED WITH YES SHARE FILLED WI
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT  APPLICANT'S NAME (PRINTED & SIGNATURE)  ACCENTRY HIS CLASS OF THE STATE OF NUMBER 18 COMPOSED OF THE FOUR NUMBERS OF
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW  COUNTY # JURISDICTION # FACILITY # TANK #
STATE I.D.# 01 003 1967 12
PERMIT NUMBER 93-367 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE - 98

#### STATE WATER RESOURCES CONTROL BOARD

### UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA / DIASIS PETROLEUM Co
I. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # HAY #3  B. MANUFACTURED BY: PERKITS (1) Skilling
C. DATE INSTALLED (MO/DAY/YEAR) FALL 1981 D. TANK CAPACITY IN GALLONS: 12 DOD
11. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. X 1 MOTOR VEHICLE FUEL 4 OIL 8. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL UNLEADED 3 CHEMICAL PRODUCT 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED  C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC  MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP  (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER STEEL 4 CIGAL ARR
C. INTERIOR LINING  1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 5 GLASS LINING 5 GLASS LINING 1 S LINING MATERIAL COMPATIBLE WITH 100% METHANOL? 95 UNKNOWN 99 OTHER
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL SO 99 OTHER LOSK DESECT
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION , /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. ESTIMATED QUANTITY OF SUBSTANCE REMAINING SUBSTANCE
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) CARY ROWE ATTEMPT 111-93
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  STATE I.D.#  JURISDICTION # FACILITY # TANK #
PERMIT NUMBER 93267 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE \$1-98

FORM B (7-91)

#### STATE WATER RESOURCES CONTROL BOARD



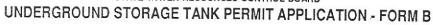


#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA / DIADO PETRO LECEN CO
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNERS TANK I.D. # HAY # 4 B. MANUFACTURED BY: PERKINS WELLING
C. DATE INSTALLED (MO/DAY/YEAR) APRIL 8.3 D. TANK CAPACITY IN GALLONS: 20, 000
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. X 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1b PREMIUM UNLEADED 5 JET FUEL 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)  D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED 7 A S. # 1 A A A A A A A A A A A A A A A A A A
IN/F IM F
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL S CONCRETE S POLYVINYL CHLORIDE TO GALVANIZED STEEL S FIBERGLASS A STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC TO ALUMINUM S 100% METHANOL COMPATIBLE W/FRP STEEL WITH COMPATIBLE W/FRP STEEL W/FRP S
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  5 GLASS LINING  5 GLASS LINING  5 GLASS LINING  1 S LINING MATERIAL COMPATIBLE WITH 100% METHANOL?  YES NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) 1972 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
9. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING X 99 OTHER LEAK DETECTOR
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION / /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  3. WAS TANK FILLED WITH YES NO INNERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) CARY ROWE ALONE 1-11-92
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #
PERMIT NUMBER 93761 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE 1-98

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

#### STATE WATER RESOURCES CONTROL BOARD





#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY  1 NEW PERMIT  2 RENEWAL PERMIT  5 CHANGE OF INFORMATION  7 PERMANENTLY CLOSED ON SI  ONE ITEM  2 INTERIM PERMIT  4 AMENDED PERMIT  6 TEMPORARY TANK CLOSURE  8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA / DIANE PETROlegin Co
TANK DECORPTION
A. OWNER'S TANK I.D.# LTALY # 1
C. DATE INSTALLED (MO/DAY/YEAR) ARCL 1983 D. TANK CAPACITY IN GALLONS: 20 DOD
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. I MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL  2 PETROLEUM 90 EMPTY 1 PRODUCT 1b PREMIUM UNLEADED 5 JET FUEL 99 OTHER (DESCRIBE IN ITEM D. BELOW  D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED
/// f5
A. TYPE OF SYSTEM 2 SINGLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN 99 OTHER
MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP.  (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER STEEL CAS W FIBERGLASS REINFORCED PLASTIC
C. INTERIOR LINING  1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 5 GLASS LINING 5 GLASS LINING 1 S LINING MATERIAL COMPATIBLE WITH 100% METHANOL?
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) 1977 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 1972
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION AU 1 SINGLE WALL AU 2 DOUBLE WALL AU 3 LINED TRENCH AU 95 UNKNOWN AU 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL NONTORING 99 OTHER LOCK DETECTION
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 6 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION / /
2. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  3. WAS TANK FILLED WITH YES NO INERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) CARY (OWE 1-11-93
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 93260  PERMIT APPROVED BY/DATE 1 - 0 7 PERMIT EXPIRATION DATE 6 CO
1-93

#### STATE WATER RESOURCES CONTROL BOARD

#### UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

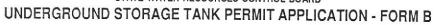


#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: PRY AREA / DIADO PERROPELLA CO
1. TANK DESCRIPTION , COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN  A. OWNER'S TANK I.D. # HAY # 6  B. MANUFACTURED BY: PERKINS Welding.
C. DATE INSTALLED (MO/DAY/YEAR) / ARLL 1983 D. TANK CAPACITY IN GALLONS: 20.000
II. TANK CONTENTS IF A-1 ISMARKED, COMPLETE ITEM C.
A. I MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL UNLEADED 5 JET FUEL 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
8. TANK MATERIAL S CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER STEEL 1 A STEEL CLAD W FIBERGLASS REINFORCED PLASTIC 8 TOWN PROPERTY
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  5 GLASS LINING  6 UNLINED  95 UNKNOWN  99 OTHER  IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A(U ) SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 199 OTHER DETECTION
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  A  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING N/A GALLONS INERT MATERIAL?  SUBSTANCE REMAINING N/A GALLONS  SUBSTANCE REMA
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT APPLICANTS NAME (PRINTED & SIGNATURE)  APPLICANTS NAME (PRINTED & SIGNATURE)  DATE
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  STATE I.D.#  PERMIT NUMBER 92 7/20  PERMIT APPROVED BY/DATE / 0.2  PERMIT EXPIRATION DATE / 0.0
PERMIT NUMBER 73 261) PERMIT APPROVED BY/DATE 1-93

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

#### STATE WATER RESOURCES CONTROL BOARD





#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY  1 NEW PERMIT  3 RENEWAL PERMIT  5 CHANGE OF INFORMATION  7 PERMANENTLY CLOSED ON SITE  ONE ITEM  2 INTERIM PERMIT  4 AMENDED PERMIT  6 TEMPORARY TANK CLOSURE  8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY ARA DIANG PERSONAL CO
1. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # HAY # 7 B. MANUFACTURED BY: PERKINS WELding
C. DATE INSTALLED (MO/DAYWEAR) ARIL 1983 D. TANK CAPACITY IN GALLONS: DO
II. TANK CONTENTS IF A-1 ISMARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1b PREMIUM UNLEADED 3 CHEMICAL PRODUCT 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)  D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1b PREMIUM UNLEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)  C. A. S. #: 1 X 3 DIESEL 6 AVIATION GAS 4 GASAHOL 7 METHANOL 95 UNLEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
8. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER STORY + COST TOXY
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  LINING  5 GLASS LINING  6 UNLINED  95 UNKNOWN  99 OTHER  IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?  YES  NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A FABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER  B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A II 99 OTHER
C. MATERIAL AND  A U 1 BARE STEEL  A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION  A U 5 ALUMINUM  A U 6 CONCRETE  A U 7 STEEL W COATING  A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION  A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION  A U 95 UNKNOWN  A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER 99 OTHER
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING  1. STIMATED DATE LAST USED (MO/DAY/YR)  3. WAS TANK FILLED WITH YES NO NO NOTES OF TANK FILLED WITH YES NO NO NOTES OF TANK FILLED WITH YES NO NOTES OF TANK FILLED WITH YES NO NOTES OF TANK FILLED WITH YES NOTES OF TANK
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY) AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) GARY KOWE LOWE DATE 1-11-93
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  OF THE PROPERTY OF TANK #
PERMIT NUMBER 43261 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE 1-98

#### STATE WATER RESOURCES CONTROL BOARD





#### COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY  1 NEW PERMIT  3 RENEWAL PERMIT  5 CHANGE OF INFORMATION  7 PERMANENTLY CLOSED ON SITE  ONE ITEM  2 INTERIM PERMIT  4 AMENDED PERMIT  6 TEMPORARY TANK CLOSURE  8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY AREA DIASIC PEROLEGIA CO
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # HAY # 8  B. MANUFACTURED BY: Fighting
C. DATE INSTALLED (MO/DAY/YEAR) APRIL 1983 D. TANK CAPACITY IN GALLONS: 2000
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 1 PRODUCT 1b PREMIUM UNLEADED 3 CHEMICAL PRODUCT 95 UNKNOWN 2 WASTE 1 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)  D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED 2 VEN C. A. S. #: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC  MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP  (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER 3 SEEL 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  LINING  5 GLASS LINING  6 UNLINED  95 UNKNOWN  99 OTHER  IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?  YES  NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A(U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 99 OTHER
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 6 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  A 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING A GALLONS INERT MATERIAL?  1. ESTIMATED DATE LAST USED (MO/DAY/YR)  A 3. WAS TANK FILLED WITH INERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) CARY TOWE STOWE 1-11-93
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  STATE I.D.#  PERMIT NUMBER  G2.260  PERMIT APPROVED BY/DATE / - 0. 7  PERMIT EXPIRATION DATE / - 0. 7
PERMIT NUMBER  93267 PERMIT APPROVED BY/DATE /-93  PERMIT EXPIRATION DATE j98

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

## 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  1 NEW PERMIT  3 RENEWAL PERMIT  5 CHANGE OF INFORMATION  7 PERMANENTLY CLOSED ON SITE  ONE ITEM  2 INTERIM PERMIT  4 AMENDED PERMIT  6 TEMPORARY TANK CLOSURE  8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: BAY DRAY DIANO PERSIEUM LO
1. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # HAY & 9 B. MANUFACTURED BY: JORKINS WELDING
C. DATE INSTALLED (MO/DAY/YEAR) ARL 1783 D. TANK CAPACITY IN GALLONS: 1000
II. TANK CONTENTS IF A-1 ISMARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL UNLEADED 5 JET FUEL 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED NON I Seed fine this c. A. S. #: ( ) / / / a / C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN  SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL S CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER  1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP 99 OTHER  1 BARE STEEL 1 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR LINING  1 RUBBER LINED  2 ALKYD LINING  3 EPOXY LINING  4 PHENOLIC LINING  5 GLASS LINING  6 UNLINED  95 UNKNOWN  99 OTHER  IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL?  YES NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER NO NE
B. CONSTRUCTION AU 1 SINGLE WALL AU 2 DOUBLE WALL AU 3 LINED TRENCH AU 95 UNKNOWN AU 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE  CORROSION A U 5 ALUMINUM A U 6 CONCRETE A 0 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP  PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER 101
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION /
1. ESTIMATED DATE LAST USED (MO/DAY/YR)  2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING / A GALLONS INERT MATERIAL? YES NO
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANT'S NAME (PRINTED & SIGNATURE) CARY ROWE DATE 1-11-93
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.#  COUNTY # JURISDICTION # FACILITY # TANK #  O
PERMIT NUMBER 93267 PERMIT APPROVED BY/DATE 1-93 PERMIT EXPIRATION DATE 1-98