

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

June 21, 2000
StID # 4008

Mr. Kevin Keegen
Specialty Foods Corp.
520 Lake Cook Rd., Suite 550
Deerfield, IL 60015

**Re: Request for Well Closure at former Colombo Bakery, 580 Julie Ann Way, Oakland,
CA 94621**

Dear Mr. Keegen:

This letter is to inform you that the Regional Water Quality Control Board has concurred with our office's recommendation for site closure regarding the two former underground tanks at the above referenced site. Prior to issuing formal closure, you are required to properly close the existing seven (7) monitoring wells at this site. You may contact Mr. Frank Codel @ (510) 670-5554 or Mr. Larry Johmann @ (510) 654-6167 at Alameda County Public Works for their office's specific requirements.

Please send our office a copy of the well closure report after this work is completed.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Dave Klemme, Secor International, 360-22nd St., Suite 600, Oakland, CA 94612

Wtcl580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



Re-sent 1/5/00

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 21, 1999
StID #4008

Mr. Christopher Rants
P.O. Box 448
Sioux City, Iowa, 51102

Re: Tier 1 and Tier 2 RBCA Evaluation for 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

Our office has received and reviewed the December 7, 1999 Tier I and Tier II RBCA Evaluation prepared by SECOR International (SECOR), your consultant. I have also spoken with Mr. Brasher regarding my concerns. The general approach taken in this evaluation is acceptable, however, it appears that the soil data has not included two soil samples, SB-F @7' and SB-G@ 5.5', both of which reported elevated benzene concentrations at 28 and 24 ppm, respectively. You should include these data points in your evaluation and issue an addendum or justify why these data points are not valid.

In addition, although the site is not foreseen to be residential in the future, please verify the property's zoning. Should residential be possible, please include either a residential exposure in the RBCA evaluation or make note of the need to evaluate this exposure pathway if future land use changes. This notice should be included in the Risk Management Plan.

Please provide your written response to these items within 45 days or no later than February 8, 2000.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

- Mr. K. Krantz, Interstate Brands West, 580 Julie Ann Way, Oakland CA 94621
- ✓ Mr. William Brasher, SECOR International Inc., 360 22nd St., Oakland 94612-3019

2RBCA580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

December 21, 1999
StID #4008

Mr. Christopher Rants
P.O. Box 448
Sioux City, Iowa, 51102

Re: Tier 1 and Tier 2 RBCA Evaluation for 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

Our office has received and reviewed the December 7, 1999 Tier I and Tier II RBCA Evaluation prepared by SECOR International (SECOR), your consultant. I have also spoken with Mr. Brasher regarding my concerns. The general approach taken in this evaluation is acceptable, however, it appears that the soil data has not included two soil samples, SB-F @7' and SB-G@ 5.5', both of which reported elevated benzene concentrations at 28 and 24 ppm, respectively. You should include these data points in your evaluation and issue an addendum or justify why these data points are not valid.

In addition, although the site is not foreseen to be residential in the future, please verify the property's zoning. Should residential be possible, please include either a residential exposure in the RBCA evaluation or make note of the need to evaluate this exposure pathway if future land use changes. This notice should be included in the Risk Management Plan.

Please provide your written response to these items within 45 days or no later than February 8, 2000.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. K. Krantz, Interstate Brands West, 580 Julie Ann Way, Oakland CA 94621
Mr. William Brasher, SECOR International Inc., 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503

2RBCA580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

October 21, 1999
StID # 4008

Mr. Christopher Rants
P.O. Box 448
Sioux City, Iowa 51102

**Re: Request for Tier 2 Risk Based Corrective Action Evaluation for 580 Julie Ann Way,
Oakland, CA 94621**

Dear Mr. Rants:

Our office last wrote to you in my July 21, 1999 letter responding to your consultant's request for site closure. Because of the apparent residual benzene concentration in soil, you were requested to perform a Tier 2 Risk Based Corrective Action (RBCA) evaluation for this site. Assuming that the Tier 2 evaluation indicated no unacceptable health risk, you were also requested to provide a risk management plan (RMP). Your consultant was encouraged to contact me to discuss the details of each of these documents. To date, our office has not received the requested technical reports.

Please provide the requested reports to our office **within 30 days or no later than November 24, 1999**. Please be aware that our office approved suspending groundwater monitoring on the condition that these technical evaluations be provided to complete the site investigation. In addition, though groundwater monitoring is suspended you are still required to inform our office of the status of the investigation and future planned actions on a quarterly basis. Your last monitoring report was Secor's May 20, 1999 First Quarter 1999 Report.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Karey Krantz, Interstate Brands West, 580 Julie Ann Way, Oakland CA 94621
Mr. William Brasher, Secor International Inc., 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503

2RBCA580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

July 21, 1999
StID # 4008

Mr. Christopher Rants
P. O. Box 448
Sioux City, Iowa 51102

Re: Request for Site Closure, 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

In response to the May 20, 1999 Secor International Inc. Quarterly Groundwater Monitoring Report request for site closure, our office has reviewed the site data and find that a risk assessment will be required due to elevated residual benzene concentrations. It appears, however, that using typical risk assessment assumptions, an acceptable risk may be shown. You may have your consultant contact me to discuss their risk assessment. These assumptions should be included in a Tier 2 Risk Based Corrective Action (RBCA) evaluation for this site. Should your Tier 2 RBCA conclude that the site does not pose an unacceptable risk, please also provide a risk management plan in addition to the risk assessment.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. Karey Krantz, Interstate Brands West, 580 Julie Ann Way, Oakland CA 94621
Mr. William Brasher, Secor International Inc., 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503

RBCA580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

December 11, 1998
StID # 4008

Mr. Christopher Rants
Metz Baking Co.
7801 Edgewater Dr.
Oakland CA 94621

Re: Subsurface Investigation at 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

Our office has received and reviewed the November 18, 1998 Groundwater Monitoring Report for the above site prepared by Secor International Inc. The groundwater results are consistent with the assumption that natural biodegradation is occurring to maintain and diminish dissolved petroleum concentrations. Our office recommends the analysis of the parameters; dissolved oxygen and oxidation-reduction potential in the monitoring wells during your next monitoring event. Should there be indication that dissolved oxygen is low in the higher contaminated areas of the plume, you are encouraged to add supplements to enhance the dissolved oxygen content. It is apparent that the heart of the contaminant plume lies near MW-1 and MW-2, therefore, the dissolved oxygen and oxidation-reduction potential in these well water samples would be of interest. It is still anticipated that recommendation for site closure can occur after two more quarters of groundwater monitoring.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. L. Zhang, Secor International Inc., 90 New Montgomery St., Suite 620, San Francisco, CA
94105-4503

2-580Julie

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

August 21, 1998

StID # 4008

Mr. Christopher Rants
Metz Baking Co.
7801 Edgewater Dr.
Oakland CA 94621

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

Re: Additional Site Characterization Report for 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

Thank you for submitting the August 14, 1998 Secor report for the additional site assessment and groundwater monitoring at the above site. This report details the installation of three additional monitoring wells and the sampling of these three and the existing four wells. Monitoring well MW-5 and MW-6 were installed in the street in the down-gradient direction of the former underground tanks and MW-7 was installed up-gradient. Based on the results of soil samples taken from these well borings, very little soil contamination has not migrated off-site. Off-site groundwater has also not been significantly impacted, though low levels of apparently aged diesel fuel are found in the new wells. Because the up-gradient and down-gradient well have similar diesel concentrations, this may indicate a regional problem from fill material.

Our office concurs with the recommendation of Secor to continue quarterly groundwater monitoring at the site for three more quarters. It is anticipated that after this monitoring, the site will have demonstrated that it meets the requirements for a "low risk" soil and groundwater case as defined by the Water Board. Therefore, natural biodegradation would be the recommended corrective action and site closure could be requested. At this time, our office does not recommend performing a risk assessment as it appears that the site would currently pass a Tier 1 Risk Based Corrective Action (RBCA) evaluation.

Please address the issue of potential subsurface conduits mentioned in my November 7, 1997 letter. You may confer with the City of Oakland Public Works Department to determine if utilities exist near this site at depths which may intercept and divert groundwater. Please submit the results of your inquiry in your next groundwater monitoring report.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files

Mr. L. Zhang, Secor International Inc., 90 New Montgomery St., Suite 620, San Francisco,
CA 94105-4503

580JAWay

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director
November 7, 1997

StID # 4008

Mr. Christopher Rants
Metz Baking Company
7801 Edgewater Dr.
Oakland CA 94621

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

Re: Work Plan for Additional Site Characterization at 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Rants:

Our office has received and reviewed the October 31, 1997 Secor work plan for additional site characterization at the above referenced location. This work plan calls for the installation of three additional groundwater monitoring wells. Both soil and groundwater samples will be taken from these borings for chemical analysis. One well will be located upgradient and two downgradient of the former underground storage tank pit. The upgradient well will allow the estimation of risk to workers within the adjacent building. The downgradient wells will attempt to delineate the contaminant plume.

This work plan is accepted with the following additional requirements:

* After the installation of these wells, please initiate **quarterly groundwater monitoring** on the entire network of seven wells.

* In order to evaluate Human Health Risk, please analyze the soil samples for polyaromatic hydrocarbons (PAHs) a common constituent of heavy oils. This is necessary even though the source of the oil at the site may be from fill material.

* Please investigate whether any preferential pathways such as storm or sanitary sewers exist which could direct groundwater towards the stormwater drainage channel.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: B. Chan files

Mr. D. Moore, Secor International Inc., 90 New Montgomery St.,
Suite 620, San Francisco, CA 94105-4503

wpap580

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



February 11, 1997
StID # 4008

Mr. Christopher Rants
Metz Baking Company
7801 Edgewater Dr.
Oakland CA 94621

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

**Re: 580 Julie Ann Way, Oakland CA 94621, San Francisco French
Bread Company**

Dear Mr. Rants:

Our office has received and reviewed the February 5, 1997 **Summary Report for Additional Site Characterization** for the above site as prepared by SECOR International Incorporated (Secor). This report details the collection of soil and groundwater samples from the installation of three additional monitoring wells (MW-2 through MW-4) plus one boring, (SB-1), to further characterize the extent of soil and groundwater contamination at this site. Secor has made a number of observations and recommendations based on this field work. Our office has the following comments to the Secor observations plus additional observations of our own:

1. I concur that this site consists of shallow fill material containing asphaltic material and heavy oil. These types of soil are also found at the site directly across the street, 563 Julie Ann Way, Yandell Truckaway. The result of this is oil and grease, TRPH, TPH as motor oil and even higher boiling compounds in the diesel range may be from fill material. These compounds have limited water solubility.
2. Groundwater at the site is encountered at shallow depths, 5-8' bgs and was found to flow northwesterly. This gradient is slightly different from the west-southwesterly direction seen at the Yandell Truckaway site. This may be attributed to a number of things, such as, slow recharge within wells, seasonal gradient fluctuation and/or non-uniform soils found in the shallow fill material. Although I agree that additional well(s) may be needed at this site, groundwater monitoring should continue for another few quarters to verify gradient prior to an additional well(s) proposal.
3. Typical of petroleum fuel leak sites, the gasoline and diesel contamination appears localized around the former tank pit.
4. Lead and PAHs do not appear to have affected groundwater in a significant amount. Therefore, our office agrees that these two parameters may be eliminated from future monitoring events.

Mr. Christopher Rants
StID # 4008
580 Julie Ann Way
February 11, 1997
Page 2.

I have the following additional observations:

5. Groundwater at this site is not potable as indicated by the high conductivity readings found in the water sample from MW-3. Groundwater, therefore, should not be considered a drinking water source. The low yielding soils also support this conclusion.

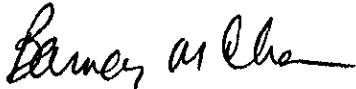
6. Because of the slow recharge of groundwater into the wells, you should consider sampling the wells without purging as recommended recently by the Water Board. Please have your consultant review the additional requirements for this sampling process prior to initiating it.

7. It appears that the area immediately downgradient of the former tank pit between MW-3 and MW-4 will require additional investigation. After the gradient is better defined, please describe what additional investigation will be done.

I agree that after groundwater data has been compiled and is believed to be representative of site conditions, a Health Risk Assessment using ASTM's RBCA format should be done to determine whether this site is a "Low Risk Groundwater Case".

You may contact me at (510) 567-6765 if you have any questions regarding this letter.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: B. Chan, files

Mr. D. Moore, Secor International Inc., 90 New Montgomery St.,
Suite 620, San Francisco, CA 94105-4503

mon580

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

July 26, 1996
StID # 4008

Mr. Christopher Rants
Metz Baking Company
7801 Edgewater Dr.
Oakland CA 94621

**Re: 580 Julie Ann Way, Oakland CA 94621, San Francisco French
Bread Company**

Dear Mr. Rants:

Our office has received and reviewed the July 24, 1996 work plan for additional site characterization for the above site as prepared by SECOR International Incorporated (Secor). This report proposes the installation of three additional monitoring wells to further characterize the extent of soil and groundwater contamination at this site. This work plan is approved with the following conditions:

1. Please add soluble lead to the list of analytes to be analyzed in the well samples. This request is based on the detection of soluble lead previously detected in the soil boring from SB-H.
2. Please run Method 8270 for the water sample from the northernmost well on a one time basis. This is necessary due to the potential threat of polynuclear aromatics found in diesel fuel.
3. Please initiate quarterly monitoring on all wells subsequent to installations and please notify our office **72 working hours** prior to your field work.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: Mr. Donald Moore, Secor, 90 New Montgomery St., Suite 620
San Francisco, CA 94105-4503

G. Coleman, files
wpap580

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

June 24, 1996
StID # 4008

Mr. Peter Sher
San Francisco French Bread Company
7801 Edgewater Dr.
Oakland CA 94621

Re: SF French Bread Co., 580 Julie Ann Way, Oakland CA 94621

Dear Mr. Sher:

Our office has received and reviewed the June 11, 1996 Soil and Groundwater Investigation report by Secor International Incorporated (Secor). This report documents the installation of monitoring well MW-1 at the above site. Soil and groundwater sample results from this well are also reported. The initial groundwater sample detected elevated TPHg (gasoline), TPHmo (motor oil) and BTEX (benzene, toluene, ethylbenzene and xylenes). Based on these results, your consultant recommends the installation of three additional monitoring wells and the handling of this site via the Containment Zone and Risk Based Corrective Action (RBCA) policy. Please be aware that based on the recommendations of the Lawrence Livermore National Laboratory (LLNL) report and the Regional Water Quality Control Board's (RWQCB) endorsement, underground fuel tank sites are to be handled using a Risk Management strategy consistent with the site's risk. Such risk is determined through evaluation using the ASTM's RBCA evaluation. The Containment Zone policy is not recommended for the typical petroleum release site.

The proposed remedial approach is acceptable so long as the conditions for a low risk soil or groundwater case exists ie:

1. The site is adequately characterized;
2. Contaminant concentrations are less than applicable water quality objectives; and
3. The site presents no significant risk to human health or the environment.

If these conditions are be met with the installation of three additional monitoring wells, you may submit a work plan for their installation. You may, however, want to consider further site characterization to delineate the soil and groundwater plume prior to well installation.

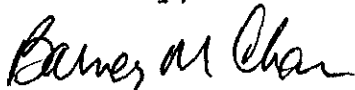
Please submit a supplemental work plan for monitoring well installation or further site characterization. Your work plan

Mr. Peter Sher
StID # 4008
580 Julie Ann Way
June 24, 1996
Page 2.

should be submitted within 30 days or by July 26, 1996.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

c: Mr. Donald Moore, SECOR, 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503
G. Coleman, files

swp580J

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

January 30, 1996
StID # 4008

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

Mr. Christopher Rants
San Francisco French Bread Co.
7801 Edgewater Dr.
Oakland CA 94621

**Re: Subsurface Investigation at SF French Bread Company, 580
Julie Ann Way, Oakland CA 94621**

Dear Mr. Rants:

Our office has received and reviewed the January 26, 1996 Secor letter in response to my initial December 29, 1995 letter regarding the Secor work plan to install one monitoring well at the above site. I have discussed your work plan with Mr. Donald Moore of Secor and have agreed to this initial step with the following provisions:

1. In addition to Total Petroleum Hydrocarbons as diesel, TPH as gasoline, TPH as motor oil and BTEX (benzene, toluene, ethylbenzene and xylenes), you should add Method 8270 for semi-volatiles to the list of analytes to be tested in your soil and groundwater samples.
2. Secor will provide our office with copies of the entire reports from the prior GTI and Secor investigations. Of particular interest are the BTEX results.
3. An additional groundwater investigation will be required in the previously identified areas of hydrocarbon contamination. Note that even should the results of this monitoring well indicate little to no groundwater impact, additional groundwater information is necessary to determine the potential risk in the other areas.

Please notify our office prior to your field work. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

c: Mr. D. Moore, SECOR, 90 New Montgomery St., Suite 620.
San Francisco, CA 94105-4503

TR G. Coleman, files 2wpap580

ENVIRONMENTAL
PROTECTION

95 JAN 29 PM 3:17

SECOR
International Incorporated

January 26, 1996

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RESPONSE TO COMMENTS ON SECOR's DECEMBER 14, 1995 WORK PLAN FOR SITE INVESTIGATION AT 580 JULIE ANN WAY, OAKLAND, CALIFORNIA, FOR SAN FRANCISCO FRENCH BREAD COMPANY

Dear Mr. Chan:

SECOR International Incorporated (*SECOR*), on behalf of the San Francisco French Bread Company (SFFBC), would like to respond to your comments on *SECOR's* December 14, 1995 Work Plan for Site Investigation at 580 Julie Ann Way in Oakland, California (the Site). *SECOR* prepared and submitted this Work Plan on behalf of the SFFBC, the owner and operator of the Site. The Alameda County Department of Environmental Health (ACDEH) in a December 29, 1995 letter to the SFFBC indicated that the Work Plan was "incomplete in its attempt to completely characterize soil and groundwater around the former petroleum USTs." This was based on five comments and observations outlined by the ACDEH in their December 29, 1995 letter. Each of the five comments are listed below followed by our response.

1. It is unclear whether the soil beneath sample DSW3' (the south dispenser) was ever overexcavated. Gasoline, diesel and BTEX was detected in this soil sample at elevated levels.

Response: Overexcavation was not conducted beneath soil sample DSW3'.

2. Although monitoring wells exist at the Yandell Trucking site at 563 Julie Ann Way, the groundwater gradient there has varied from southeasterly to westerly. The lone well proposed accounts for only a westerly groundwater gradient.

Response: *SECOR* obtained groundwater monitoring data for the Yandell Trucking property from CET Environmental Services, the environmental consultant for this property. *SECOR* reviewed groundwater elevation data from 14 monitoring events collected between July 1994 through November 1995. Groundwater flow direction from these monitoring events is displayed graphically on a rose diagram provided as Figure 1. These data indicate that the groundwater flow direction at this property has been consistently to the southwest with the exception of one anomalous result in January 1995.

Mr. Barney Chan
January 26, 1996
Page 2

3. Because of the variation of gradient at the Yandell Trucking site, three wells is the minimum number of wells required to determine site specific gradient.

Response: Data from the Yandell Trucking property indicate that there is little variation of groundwater flow direction at this property. Based on the proximity of the Yandell Trucking property in relation to the Site (less than 100 feet), it appears reasonable to conclude that groundwater beneath the Site has a similar groundwater flow direction.

4. The prior 6/19/91 GTI and 11/19/93 *SECOR* reports document elevated TOG, TRPH, diesel and gasoline contamination in borings around the former tank area at depths at or near groundwater. Groundwater samples were not analyzed in these soil samples. The BTEX (benzene, toluene, ethylbenzene, and xylenes) compounds were also not analyzed in the soil samples. Groundwater quality in the areas near these borings remains unknown.
5. Background levels of heavy hydrocarbons detected by the analytical methods TPHmo and Total Oil and Grease has been observed in soils near this site, however, elevated levels of gasoline and diesel are also present in soils around the former tank pit.

Response: Yes, the prior GTI and *SECOR* reports document the presence of elevated TOG, TRPH, diesel and gasoline in the vicinity of the former USTs. Results from these investigations indicate that the diesel and gasoline are present in the immediate vicinity (within 30 feet or less) of the former USTs and that TOG and TRPH are pervasive throughout the Site subsurface and other surrounding areas (i.e., Yandell Trucking property). BTEX compounds were analyzed in both the prior GTI and *SECOR* investigations, if copies of these reports are not contained in the ACDEH files, *SECOR* would be able to provide copies of these reports for your records. These two prior investigations define the approximate extent of TPHg, TPHd, and BTEX in the Site subsurface surrounding the former USTs. Groundwater samples were not collected during these two prior investigations and groundwater quality in the areas near these borings remains unknown.

In your original request for a Work Plan dated November 7, 1995, it was stated that "at least one monitoring well in the verified downgradient direction relative to the excavation pit must be installed within 10 feet of the edge of the excavation." *SECOR* believes that the data collected from the Yandell Trucking property, located less than 100 feet north of the Site, provides a verified groundwater flow direction and accordingly, a single well will be adequate to determine whether groundwater impact from the USTs has occurred. *SECOR* and the SFFBC understand that additional groundwater characterization may be required based on the results of this initial groundwater investigation.

Based on our review of groundwater data from the Yandell Trucking property, *SECOR* proposes to adjust the proposed groundwater monitoring well location to a more southwesterly location relative to the former

Mr. Barney Chan
January 26, 1996
Page 3

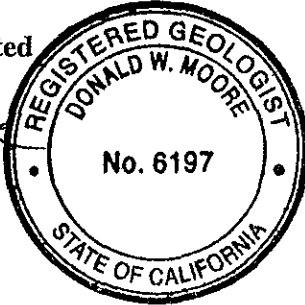
USTs as shown on Figure 2. This adjusted location is also in the immediate vicinity of the former south dispenser (sample DSW3') and will address the ACDEH's concern regarding elevated petroleum hydrocarbon concentrations in this area. If you have any questions or comments please do not hesitate to contact us at (415) 882-1548.

Sincerely,

SECOR International Incorporated



Donald W. Moore, R.G.
Project Manager



Bruce E. Scarbrough, R.G.
Principal Geologist

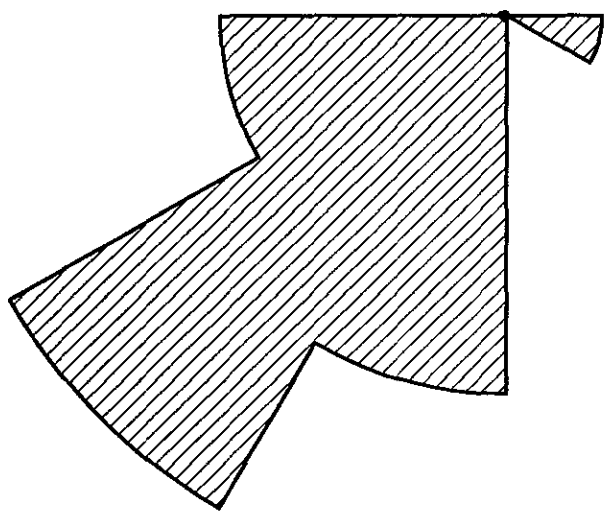
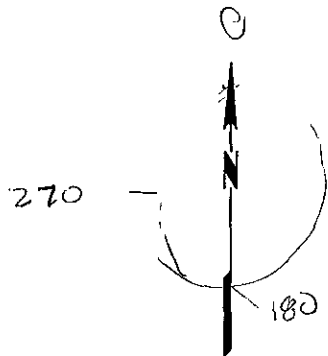
Attachments:

- Figure 1 - Rose Diagram, Groundwater Flow Direction at Yandell Trucking Property
- Figure 2 - Site Plan with Proposed Monitoring Well Location

cc: Mr. Christopher Rants, Metz Baking Company

1/30/96

Conv. w/ D. Moore requested online copies of
GTI & Scan Reports w/ BTG
~~Pete - Sher~~ - no longer there
Christopher Rants - Metz Baking Co (parent Co)
Sears City Iowa
• requested to add 8270 (concentrations to our spec).



DATE	DIRECTION (DEGREES, AZIMUTHAL)
7/22/94	230
8/18/94	220
9/08/94	234
10/11/94	225
11/15/94	230
12/09/94	186
1/11/95	103
2/28/95	214
3/15/95	184
4/18/95	251
5/22/95	242
6/21/95	253
10/20/95	209
11/28/95	206

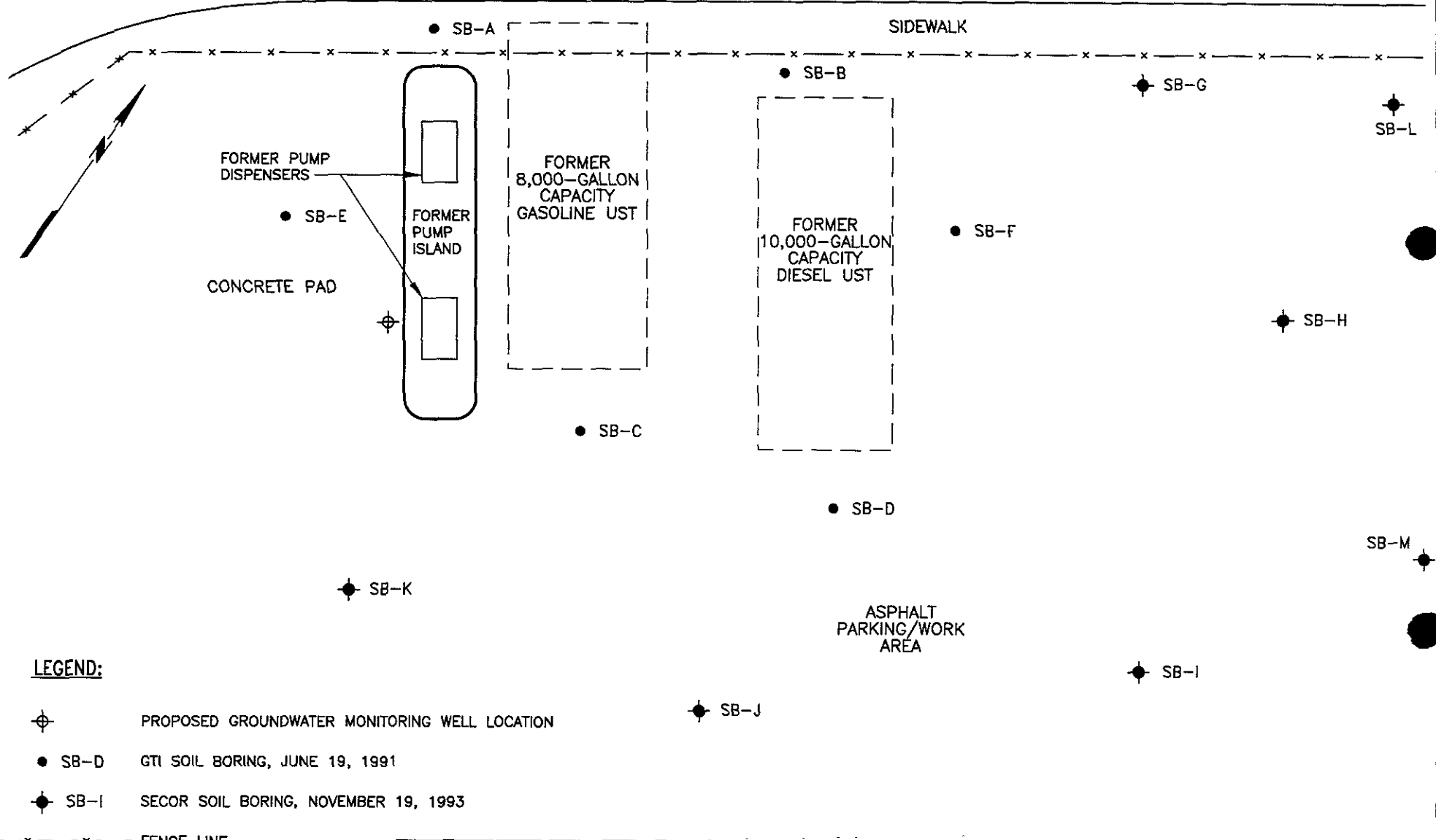
199601.14.1740 X:\JOBS\YANDELL\ROSE

SECOR
INTERNATIONAL
INCORPORATED

DRAWN	CCR
APPR	DWM
DATE	15JAN96
JOB NO.	50090-009-02

FIGURE 1
SAN FRANCISCO FRENCH BREAD
580 JULIE ANN WAY
OAKLAND, CALIFORNIA
ROSE DIAGRAM
GROUNDWATER FLOW DIRECTION
AT YANDELL TRUCKING PROPERTY
JULY 1994 THROUGH NOVEMBER 1995

JULIE ANNE WAY



LEGEND:

- ⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATION
- SB-D GTI SOIL BORING, JUNE 19, 1991
- ⊕ SB-I SECOR SOIL BORING, NOVEMBER 19, 1993
- x — x — FENCE LINE



SECOR
INTERNATIONAL
INCORPORATED

DRAWN	CCR
APPR	DWM
DATE	12DEC95
JOB NO.	50090-009-02

FIGURE 2
SAN FRANCISCO FRENCH BREAD
580 JULIE ANN WAY
OAKLAND, CALIFORNIA
**SITE PLAN WITH PROPOSED
MONITORING WELL LOCATION**

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

December 29, 1995
StID # 4008

Mr. Peter Sher
San Francisco French Bread Company
7801 Edgewater Dr.
Oakland CA 94621

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577
(510) 567-6700

**Re: Comment on SECOR 12/14/95 Work Plan for Site Investigation at
580 Julie Ann Way, Oakland CA 94621, SF French Bread Company**

Dear Mr. Sher:

Our office has received and reviewed the above referenced work plan for site investigation as prepared by SECOR International Incorporated, Mr. Donald Moore. This work plan calls for the installation of one monitoring well located slightly west of the former pump island of the former diesel and gasoline tanks. Our office finds this work plan **incomplete** in its attempt to completely characterize soil and groundwater around the former petroleum USTs. Our office recommends a minimum of three monitoring wells be installed at this site. This recommendation is based on the following observations:

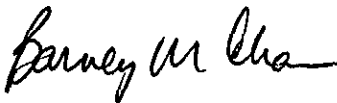
1. It is unclear whether the soil beneath sample DSW3' (the south dispenser) was ever overexcavated. Gasoline, diesel and BTEX was detected in this soil sample at elevated levels.
2. Although monitoring wells exist at the Yandell Trucking site at 563 Julie Ann Way, the groundwater gradient there has varied from southeasterly to westerly. The lone well proposed accounts for only a westerly groundwater gradient.
3. Because of the variation of gradient at the Yandell Trucking site, three wells is the minimum number of wells required to determine site specific gradient.
4. The prior 6/19/91 GTI and 11/19/93 SECOR reports document elevated TOG, TRPH, diesel and gasoline contamination in borings around the former tank area at depths at or near groundwater. Groundwater samples were not analyzed in these soil samples. The BTEX (benzene, toluene, ethylbenzene and xylenes) compounds were also not analyzed in the soil samples. Groundwater quality in the areas near these borings remains unknown.
5. Background levels of heavy hydrocarbons detected by the analytical methods TPH_{mo} and Total Oil and Grease has been observed in soils near this site, however, elevated levels of gasoline and diesel are also present in soils around the former tank pit.

Mr. Peter Sher
SF French Bread Co.
StID # 4008
580 Julie Ann Way
December 29, 1995

Please provide written comment to the above items along with a work plan addendum **within 30 days or by January 30, 1996.**

Either you or your consultant are encouraged to call me at (510) 567-6765 if you have any questions.

Sincerely,



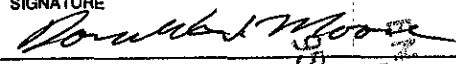
Barney M. Chan
Hazardous Materials Specialist

cc: Mr. Donald Moore, SECOR, 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503

G. Coleman, files

wpad580J

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE 1 M 1 D 5 Y 9 V 5 Y		CASE # 4008		SIGNED: <u>Barney Chan</u> DATE: <u>11/16/95</u>		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Donald W. Moore		PHONE (415) 882-1548		SIGNATURE 	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER <u>Consultant</u>		COMPANY OR AGENCY NAME SECOR		NOV 16 1995 ENVIRONMENTAL PROTECTION AGENCY	
	ADDRESS 90 New Montgomery Street, #620, San Francisco, CA 94105					
RESPONSIBLE PARTY	NAME San Francisco French Bread Co. <input type="checkbox"/> UNKNOWN		CONTACT PERSON Mr. Peter Sher		PHONE (510) 568-5511	
	ADDRESS 7801 Edgewater Drive, Oakland, CA 94621					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) San Francisco French Bread Co.		OPERATOR		PHONE ()	
	ADDRESS 580 Julie Ann Way, Oakland, CA Alameda 94621					
	CROSS STREET Coliseum Way					
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Dept. of Environmental Health		AGENCY NAME Bay Area		CONTACT PERSON Barney Chan	
	PHONE (510) 567-6765					
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN			
	(2) NAME Diesel		<input checked="" type="checkbox"/> UNKNOWN			
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 6 D 9 Y 1 V		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> SUBSURFACE MONITORING		<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER	
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <u>Discontinue Use</u>			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 9 Y 3 V					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> CORROSION <input type="checkbox"/> OTHER			
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)					
COMMENTS						

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.

Leak Being Confirmed - Leak suspected at site, but has not been confirmed.

Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.

Preliminary Site Assessment Underway - implementation of workplan.

Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.

Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.

Cleanup Underway - implementation of remediation plan.

Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.

Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

Vacuum Extract - use pumps or blowers to draw air through soil.

Vent Soil - bore holes in soil to allow volatilization of contaminants.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

November 7, 1995
StID # 4008

Mr. Peter Sher
San Francisco French Bread Company
7801 Edgewater Dr.
Oakland CA 94621

**Re: Request for Work Plan for Additional Subsurface Investigation
at 580 Julie Ann Way, Oakland CA 94621**

Dear Mr. Sher:

Our office has received and reviewed the November 1, 1995 underground tank removal report as prepared by Secor International Incorporated (Secor) and Pacific Rim Environmental. Recall, this report documents the removal of the 8,000 gallon gasoline and the 10,000 gallon diesel tanks at this site on September 15, 1995.

As observed and as indicated by analysis of soil and groundwater samples taken at the time of the tank removals, there has been a release of petroleum hydrocarbon, the extent of which will need to be determined and potentially remediated. As an initial requirement, please fill out (or have your consultant fill out) the enclosed Unauthorized Leak Report (ULR). This form should be returned to this office **within 10 days of its receipt.**

Secondly, you are required to submit a work plan for additional site investigation. At a minimum, this work plan should provide for the determination of the lateral and vertical extent of soil and groundwater contamination. To accomplish this, at least one monitoring well in the verified downgradient direction relative to the excavation pit must be installed within 10 feet of the edge of the excavation. If the groundwater gradient cannot be verified, a minimum of three monitoring wells will be required.

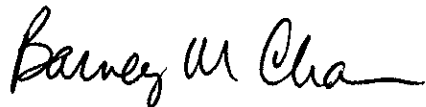
In this report are also results from a prior soil boring investigation. Unfortunately, the analysis for BTEX (benzene, toluene, ethylbenzene and xylenes) was not reported. Was this because this analysis was not performed? These results indicate that the extent of gasoline and diesel in soil have not been defined. The random nature of the Total Oil and Grease and TRPH results suggest that this contamination may be from the fill material and not tank related. The extent of the high boiling petroleum contamination need not be defined, however, you are requested to analyze for either TOG or TRPH in the water samples from the future monitoring well(s).

Mr. Peter Sher
San Francisco French Bread Co.
580 Julie Ann Way
StID # 4008
November 7, 1995
Page 2.

Please submit your work plan to address the above concerns **within 30 days or by December 8, 1995.**

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

enclosure (Mr. Sher)

cc: ^{sel} Mr. Donald Moore, Secor, 90 New Montgomery St., Suite 620,
San Francisco, CA 94105-4503

G. Coleman, files

wp580Julie

4/14/01 UPDATED ENVISION

Press [ESC] for the menu

UNDERGROUND STORAGE TANK CLEANUP SITE

-LOP:A-TRemov:I-SLIC:-

SITE ID: 4008	SOURCE OF FUNDS: F	SUBSTANCE :8006619
SITE NAME: Columbo Bakery		DATE REPORTED :10/20/1995
SITE ADDRESS: 580 -0 Julie Ann Wy		DATE CONFIRMED:10/20/1995
CITY: Oakland	ZIP CODE: 94621	MULTIPLE RPs : Y

CASE TYPE: 0 CONTRACT STAT: 4 PRIORITY: 2A3 DATE ER:-0-

RP SEARCH : S	DATE END: 11/01/1995
PRELIM ASSESSMENT : -	DATE BEGIN: -0- DATE END: -0-
REMEDIAL INVEST : -	DATE BEGIN: -0- DATE END: -0-
REMEDIAL ACTION : -	DATE BEGIN: -0- DATE END: -0-
POST REMED MONITOR: -	DATE BEGIN: -0- DATE END: -0-

ENFORCEMENT TYPE: 1	DATE ENFORCEMENT ACTION TAKEN: 11/01/1995
LUFT CATEGORY: 3HSCA	CASE CLOSED: - DATE CASE CLOSED: -0-
DT EXC START : 09/15/1995	REMEDIAL ACTIONS TAKEN: ED

PgDn for Screen #2

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
 Form: SITE Table: SITE Field: Source Page: 1

STID: 4008

UNDERGROUND STORAGE TANK CLEANUP SITE - SCREEN #2

IN-HOUSE MANAGEMENT:

RISK ASSESSMENT :-0-	LOC-CleanUp Fund? -0-
DATE LAST CORSP :07/21/1999	INSPECTOR INIT: BC

CONTACT/RESPONSIBLE PARTY INFORMATION:

RP #1: CONTACT: Mr Christopher Rants	RP COST: \$0.00
RP COMPANY NAME: Metz Baking Co.	Ph: -0-
ADDRESS: P. O. Box 448	
CITY/ST/ZIP: Sioux City, Iowa 51102	

COMMENT: MTBE =60 ppb

PgUp For Screen #1;PgDn For More RP'S

[ESC] Done [F2] Clear field [Shift-F2] Clear to end [Shift-F10] More
 Form: SITE Table: SITE Field: FlagDate Page: 2

RP seq#: 2-9

ADDITIONAL RP'S -SCREEN # 3

RP #2	
CONTACT NAME: Mr. Karey Krantz	Ph: -0-
COMPANY NAME: Interstate Brands West	

ADDRESS: 580 Julie Ann Way
CITY/ST/ZIP: Oakland C A 94621

RP #

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ST/ZIP:

Ph:

RP #

CONTACT NAME:
COMPANY NAME:
ADDRESS:
CITY/ST/ZIP:

Ph:

PgUp for Screen #2;
[ESC] Done [F2] Clear field
Form: SITE Table: RPs

<F7>/<F8> for Next / Previous RP
[Shift-F2] Clear to end [Shift-F10] More
Field: RPseq# Page: 3

Robbie

BC

LOP - RECORD CHANGE REQUEST FORM

printed:
11/13/95

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp: CL

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 4008 LOC: -0-
 SITE NAME: Columbo Bakery DATE REPORTED : 10/20/95
 ADDRESS : 580 -0 Julie Ann Wy DATE CONFIRMED: 10/20/95
 CITY/ZIP : Oakland 94621 MULTIPLE RPs : N

SITE STATUS

 CASE TYPE: G CONTRACT STATUS: 2 PRIOR CODE: 2A3 EMERGENCY RESP: -0-
 RP SEARCH: S DATE COMPLETED: -0-
 PRELIMINARY ASMNT: - DATE UNDERWAY: -0- DATE COMPLETED: -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-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 11/01/95
 LUFT FIELD MANUAL CONSID: 3HSCA
 CASE CLOSED: - DATE CASE CLOSED: -0-
 DATE EXCAVATION STARTED : 09/15/95 REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

 RP#1-CONTACT NAME: Mr. Peter Sher
 COMPANY NAME: S F French Bread Co.
 ADDRESS: 7801 Edgewater Dr.
 CITY/STATE: Oakland C A 94621

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes		
ANNPMS _____	LOP _____	DATE _____		LOP _____	DATE _____

*need to get w/v done
 re submit form*

0.4580

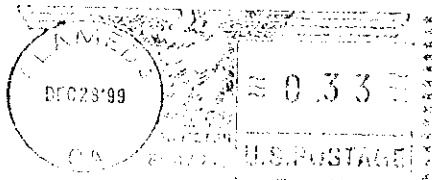


ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY

Department Of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

ENVIRONMENTAL
PROTECTION

00 JAN -3 PM 4:28



Mr. William Brasher
SECOR International Inc.
90 New Montgomery Street, Suite 620
San Francisco, CA 94105-4503

SEC0090 941052024 1898 32 12/30/99
FORWARD TIME EXP RTN TO SEND
: SECOR INTL INC
360 22ND ST
OAKLAND CA 94612-3019

94105-4503-6577



white - env. health
 yellow - facility
 pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
 Alameda CA 94502
 510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name SF French Beach Today's Date 9/15/95
 Site Address 580 Julie Ann Way
 City Oak Zip 94621 Phone _____

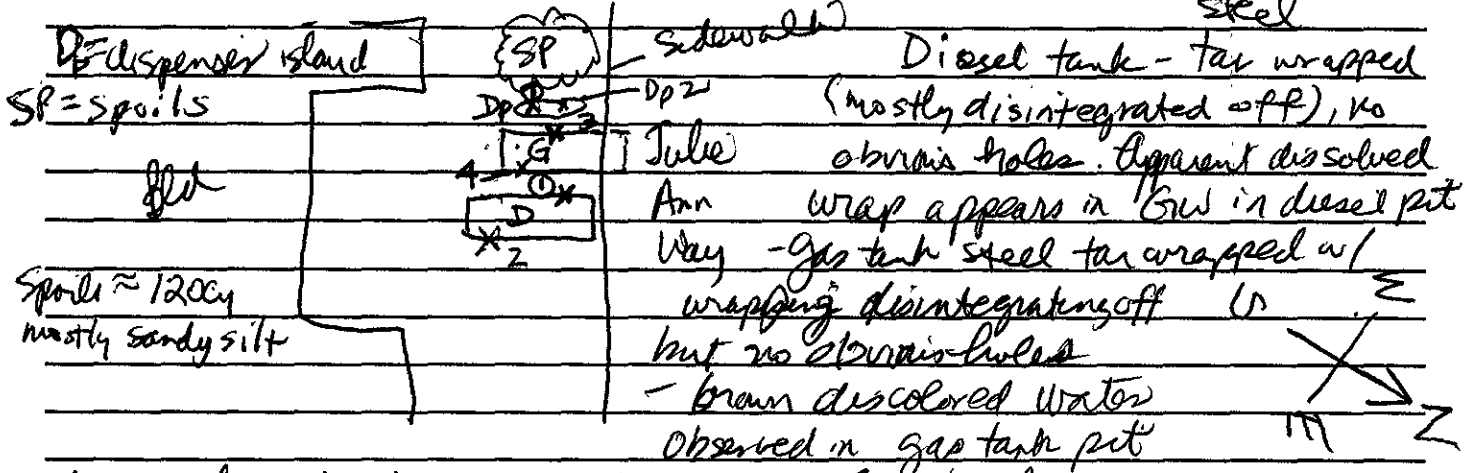
____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
Inspection Categories:
 ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
X III. Under ground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:
Witness removal of 2-10k tanks (1 gas + 1 diesel)
Manifest # 95208746 A+H Shipping 600933 exp 1/96

10k Diesel 0% LEL, 13% O2
10k Gasoline 3% LEL, 2% O2

Ranjan Rani - Contractor - Mark Viganti, Thamy
Donald Moore, Lee Ping Jang - Seaver consultants/Sampler
Gary Collins - OFD Inspector
Peter Sher - SF French Beach Co.



Pits are approx 9x25x10'
 Contact TAMM BARTY
 Title P.M.
 Signature Tamm Bartly
 Inspector B. Chan
 Signature Belu

II, III

P2

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name SF French Bread Today's Date 9/15/88

Site Address 580 Julia Avenue

City Oak Zip 94621 Phone _____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- III. Under ground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Discrete soil sples taken from the spots to be computered for disposal.

The GW was pumped from ea. pit

3 VOA's + 1-1 glass bottle samples taken from ea. pit

- Soil sple #1, from NW side of diesel tank into sat'd black clay
no odor observed

- Soil sple #2, from SE sidewall of diesel tank, black sat'd gravelly clay - no odor observed

- Soil sple #3 - from center, west floor of gasoline pit
- black sat'd clay - sl gasoline odor

- Soil sple #4 - from SE floor of gas pit - sat'd black clay - sl. gas odor.

All sples taken @ ~10' BGS

Dp1 is - Southern spile beneath former dispenser island
~2-3' BGS, blue gray gravelly soil w/ gas odor

Dp2 from north end of former dispenser island
at 10' BGS, gravelly blue gray -

- the dispenser area displayed considerable gas odors + should be overexcavated.

Contact TAIMI BARTY

Title V. M.

Signature Taimi Bartly

Inspector B. Chan

Signature B. Chan

II, III



HEADQUARTERS

FAX FROM:

145 Natoma Street

3rd Floor

San Francisco

California 94105

Phone: 415-284-9674

Fax: 415-284-9677

Pacific Rim Environmental
145 Natoma, 3rd Floor
San Francisco, CA 94105
Phone: (415) 284-9674
Fax: (415) 284-9677

TO: Barney Chan of Alameda County Environmental Health

FAX: 510-337-9335

BAKERSFIELD OFFICE

NO. OF PAGES: 3

1918 Eye Street

DATE: 9-06-95

Bakersfield

Message:

California 93302

Phone: 805-326-0173

Fax: 805-326-0527

Per your request, please find the enclosed copy of certification and the signed page 6 of the Alameda County closure forms. I have been informed by representatives of SECOR and the San Francisco French Bread Company that, to the best of their knowledge, leaded fuel has not been stored in the underground storage tanks on site. For further questions, do not hesitate to call Eric Unmacht at 415-284-9674. Thank you.

DENVER OFFICE

820 South Monaco

Suite 270

Denver

Colorado 80224

Phone: 303-781-7228

1995.07.06 13:24 0908.01/01

18. Submit worker's Compensation Certificate copy

Name of insurer Ribundo & DeJardin's Insurance

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 23 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 B 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 personal 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 Pacific Risk Environmental

Name of Individual Eric Umholt

Signature Eric Umholt Date Sept 5, 1995

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business San Francisco French Bread Co., dba Colombo

Name of Individual Roger H. Sher V.P./General Manager

Signature Roger H. Sher Date 9/5/95

REV 8/6/93

Form No	7071	DATE	9/5/95
BY	<u>B. Chen</u>	FOR	<u>662-0745</u>
DATE	<u>9/5/95</u>	TIME	<u>11:35</u>

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD



Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: Timothy James Peterson

License No: 649163

Business Name: Pacific Rim Environmental Services, Inc.

WITNESS my hand and official seal this
10th day of July, 1992

David R. Phillips
Registrar of Contractors

131-36 (12-91)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A 5144

ALAMEDA COUNTY HEALTH SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 ENVIRONMENTAL PROTECTION DIVISION
 1131 HARBOR BAY PARKWAY, RM 250
 ALAMEDA, CA 94502-6577

PHONE # 510/567-6700
 FAX # 510/337-9335

B. Chan
 Project Specialist

ok, Bhan
9/6/95

ACCEPTED
 Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 80 Swan Way, Suite 200,
 Oakland, CA 94621
 Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction. One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal. Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections: *
 Removal of Tank(s) and Piping
 Sampling
 Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependant on compliance with accepted plans and all applicable laws and regulations.

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

CONTACT SPECIALIST
 510-271-4325

ENVIRONMENTAL

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

1. Name of Business San Francisco French Bread
 Business Owner or Contact Person (PRINT) Dave Sato
2. Site Address 580 Julie Avenue way
 City Oakland Zip 94621 Phone 510-638-3252
3. Mailing Address 580 Julie Avenue way
 City Oakland Zip 94621 Phone 510-638-3252
4. Property Owner _____
 Business Name (if applicable) San Francisco French Bread
 Address 580 Julie Avenue way
 City, state Oakland CA Zip 94621
5. Generator name under which tank will be manifested
San Francisco French Bread
 EPA ID# under which tank will be manifested CAC001131496

6. Contractor Pacific Rim Environmental
 Address 145 N. Iowa St. 3rd Floor
 City San Francisco Phone 415-284-9674
 License Type A-General Engineering Contractor ID# 649163
 Contractors State License Board
 *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) Donald Moore w/ SEACOR
 Address 90 New Montgomery St. Suite 620
 City, State San Francisco, CA Phone 415-4503 882-1548

8. Main Contact Person for Investigation (if applicable)
 Name Donald James Title President
 Company Pacific Rim Environ.
 Phone 415-284-9674

9. Number of underground tanks being closed with this plan two (2)
 Length of piping being removed under this plan unknown
 Total number of underground tanks at this facility (**confirmed with owner or operator) 2

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 H&H Environ Services EPA I.D. No. CA D004771168
 Hauler License No. 0334 License Exp. Date Jan 31, 1996
 Address 220 China Basin
 City San Francisco State CA Zip 94102

b) Product/Residual Sludge/Rinsate Disposal Site

Name " " EPA ID# " "
 Address " "
 City " " State " " Zip " "

c) Tank and Piping Transporter

Name _____ EPA I.D. No. _____
Hauler License No. _____ License Exp. Date _____
Address _____
City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

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

11. Sample Collector

Name Mark Vigeant
Company Pacific Rim Environmental
Address 145 Natoma St
City San Fran State CA Zip 94109 Phone 415-284-9624

12. Laboratory

Name McCampbell Analytical Inc
Address 110 2nd Avenue South #D7
City Pacheco State CA Zip 94553
State Certification No. 1644

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown []

If yes, describe. _____

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

Vapor Freeing (CO₂)
 Dry Ice 10-15 # / 1000 gallon capacity

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)		
(2) 10,000 Gallons	Product: ① Diesel ② unknown Gasoline Type Single wall	soil ground water - should it be encountered	2 samples beneath the tank at a maximum of 2 feet below the native soil/ backfill interface

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.

Stockpiled Soil Volume (estimated) 20 C.Y.	Sampling Plan N.A. Analysis must be consistent w/ disposal/reuse requirements
---	--

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 [X] no [] unknown

If yes, explain reasoning _____

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 as diesel	GC FID 3550	(diesel)	1.0 PPM
BTEX	5030 8020 (5030)	gas	0.005 PPM

18. Submit Worker's Compensation Certificate copy

Name of Insurer Dibudo + Defendis Insurance

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 Pacific Rim Environmental

Name of Individual Eric Unmacht

Signature Eric Unmacht Date Aug 8, 1985

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business San Francisco French Bread

Name of Individual _____

Signature Eric Unmacht Date Aug 8, 1985

representative of Pac. Rim Environ. for S.F. French Bread

Not acceptable

General Instructions

- * Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- * State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781. 1.800-61 Toxic
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

...ous waste operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT

A deposit, payable to "County of Alameda" for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.

SITE INFORMATION:

Site ID Number
(if known)

San Francisco Fresh Bread

Name of Site

580 Julie Ann Way

Street Address

Oakland CA 94621

City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

Pacific Rim Environmental
Name

145 Natoma St.
Street Address

S.F. CA 94105
City, State & Zip Code


Signature of Payor

Aug 8, 1995
Date

Don James
Name of Payor
(PLEASE PRINT CLEARLY)

Pacific Rim Environ.
Company Name of Payor

RETURN FORM TO:
County of Alameda, Environmental Protection
1131 Harbor Bay Parkway, Rm 250
Alameda CA 94502-6577
Phone#(510) 567-6700

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>	<u>WATER ANALYSIS</u>
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA -----Optional----- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510) O & G 5520 B & F BTX&E 602, 624 or 8260 CL HC 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary
Evaluation and Investigation of Underground Tank Sites,
10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GC/FID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

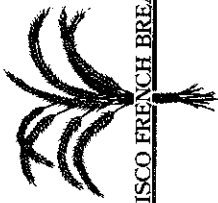
- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasoline to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.



SAN FRANCISCO FRENCH BREAD COMPANY

PETER H. SHER

510 568 5511

7801 EDGEWATER DR. • OAKLAND, CA 94621 • ~~415 764 1551~~

SECOR

*International
Incorporated*

Donald W. Moore, R.G.
ASSOCIATE GEOLOGIST

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Suite 620

San Francisco, CA 94105-4503

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(415) 882-4406 FAX

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