



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Financial Assistance

1001 I Street • Sacramento, California 95814
P.O. Box 944212 • Sacramento, California • 94244-2120
(916) 341-5714 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf

Gray Davis
Governor

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.

07/21/03

Tesoro Petroleum Company
Jeffrey M. Baker
3450 344th Way S, #100
Auburn, WA 98001

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), REQUEST FOR FURTHER DOCUMENTATION DURING INITIAL REVIEW: CLAIM NUMBER 017485; FOR SITE ADDRESS: 7600 AMADOR VALLEY RD, DUBLIN

Blvd.
After reviewing your claim application to the Cleanup Fund, we find that the following additional information is needed to determine your eligibility for placement on the Priority List:

According to the chronology, claimant operated the subject USTs between 1978-1985. Please provide a copy of the owner/operator permit during that timeframe. If you cannot obtain a copy of the permit, the Fund would accept a letter from the regulator stating that the claimant was in compliance with the operation of the subject USTs.

NOTE: Failure to respond to this request within thirty (30) calendar days from the date of this letter may result in an ineligibility determination of your claim.

If you have any questions, please contact me at (916) 341-5714.

Sincerely,

Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

cc: Ms. Donna Drogos
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

Closed RD 1170

SEEN



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) 341-5714 • FAX (916) 341-5806 • www.swrcb.ca.gov/cwphome/ustcf

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

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.

DEC 10 2002
Tesoro Petroleum Company
Jeffrey M. Baker
3450 344th Way S, #100
Auburn, WA 98001

Alameda County

DEC 13 2002

Environmental Health

SITE?

UNDERGROUND STORAGE TANK CLEANUP FUND (FUND), REQUEST FOR FURTHER DOCUMENTATION DURING INITIAL REVIEW: CLAIM NUMBER 017485; FOR SITE ADDRESS: 7600 AMADOR VALLEY RD, DUBLIN A-57E 7200 and 7605 AUBI

After reviewing your claim application to the Cleanup Fund, we find that the following additional information is needed to determine your eligibility for placement on the Priority List:

- ✓ Claimant must provide a signatory's title as related to the claimant.
- ✓ The application states that there is \$105,000 in Third Party Costs that are not being claimed. Please explain.
- ✓ Supporting documentation submitted with the claim application reflects that directives or work performed was not in the claimant's name. Claimant is advised that an eligible claimant must have either owned or operated the subject leaking UST, is the responsible party directed to undertake corrective action for the unauthorized release by the local regulator and is the party paying for the costs of cleanup. Please clarify and advise the following: (1) Stated on the application in 1990, the directive was verbal. (2) Who did the local regulator give verbal direction too? (3) Please provide a written statement from the local regulator regarding the verbal directive.
- ✓ Submit a copy of the name change documents filed with the Secretary of State regarding Digas Company and Tesoro Petroleum Company. Are Tesoro Petroleum Company, Tesoro Gasoline Marketing Company, Digas Company, and Digas Company of Delaware all the same or are they different companies with different tax identification numbers? Some claims have been submitted under the name Tesoro Gasoline with the federal tax identification number of 95-2675022, some claims have been submitted under the name Tesoro Petroleum Company with the federal tax identification number of 95-2675022, and some claims have been submitted under the name Tesoro Petroleum Company with the federal tax identification number of 74-2385513. Please clarify and advise.
- ✓ Provide a copy of the agreement between Dayton Hudson-Target Corporation and Tesoro Petroleum Company regarding the split of the corrective action costs.
- ✓ Complete page 3 of the application Site History. Who were the property owners, UST owners and UST operators from the time Digas came on the site to present? Provide specific dates of the property and tank ownership and the tank operation.

- ✓ Submit a copy of the permit to own or operate the UST from the local implementing agency dated between January 1, 1984 and January 1, 1990 (pursuant to Chapter 6.7 of the Health and Safety Code).
- ✓ Page two indicates that the corrective action at the subject site is complete. Provide a copy of the "no further action" letter issued by Alameda County.

NOTE: Failure to respond to this request within thirty (30) calendar days from the date of this letter may result in an ineligibility determination of your claim.

If you have any questions, please contact me at (916) 341-5714.

Sincerely,

ORIGINAL SIGNED BY

Shari Knieriem
Claims Review Unit
Underground Storage Tank Cleanup Fund

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Ms. Donna Drogos
Alameda County, EHD
1131 Harbor Bay Parkway, 2nd Fl
Alameda, CA 94502-6577



LOP - RECORD CHANGE REQUEST FORM

printed:
03/20/96

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

Insp: EC

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 12034
 StID : 3746 LOC:
 SITE NAME: Target Store, Inc. DATE REPORTED : 09/25/90
 ADDRESS : 7608 Amador Valley Blv DATE CONFIRMED:
 CITY/ZIP : Dublin 94568 MULTIPLE RPs : N

SITE STATUS

CASE TYPE: G CONTRACT STATUS: 4 PRIOR CODE:3A2 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/23/92
 PRELIMINARY ASMNT: C DATE UNDERWAY: DATE COMPLETED: 07/21/94
 REM INVESTIGATION: U DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: C DATE UNDERWAY: 10/17/91 DATE COMPLETED: 07/21/94
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:
 ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/23/92
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: Y DATE CASE CLOSED: 03/21/96
 DATE EXCAVATION STARTED : 09/26/90 REMEDIAL ACTIONS TAKEN: GT

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Jim Bosch
 COMPANY NAME: Target Stores, Inc.
 ADDRESS: P O Box 1392
 CITY/STATE: Minneapolis, M N 55440

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

Case Progress Changes

ANPPGMS _____ LOP _____ DATE _____

LOP _____ DATE _____

AZURE ENVIRONMENTAL

March 15, 1996

AZ 142-528.02

eva chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Way Parkway, Suite 250
Alameda, California 94502-6577

Re: Monitoring Well Decommission Activities
7608 Amador Valley Boulevard Dublin, California

Dear Ms. chu:

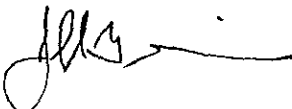
Per your request, this letter report is submitted to document the monitoring well decommission activities performed at the former Alameda Service Station A-528 facility located at 7608 Amador Valley Boulevard in Dublin, California ("the Site"). Six monitoring wells (MW-1 through MW-6) were decommissioned in response to your February 5, 1996 letter to Mr. David Luick of Target Stores.

The location of decommissioned monitoring wells is shown on the attached Figure. The well decommission activities were conducted on March 14, 1996 by Precision Sampling, Inc. under the supervision of an Azure Environmental Registered Geologist. The well was decommissioned by pressure grouting in accordance with the Zone 7 Water Agency's well destruction requirements under Permit 96141 (see attached).

As required by the well destruction permit, cement grout was pumped into the well through a tremie pipe lowered to the bottom of the well. Upon removal of the tremie pipe from the well, a pressure hose was attached to the top of the well casing and pressure was induced to force the grout through the well screen into the surrounding sandpack. The grout-filled well casing was cut to approximately two feet below ground surface and the remaining hole backfilled with compacted soil.

Please call me at (415) 485-9740 should you have any questions regarding this report.

Sincerely,



Jeff Hennier, R.G.
Principal Hydrogeologist

cc: Rob Donovan, Tesoro Petroleum Corp.
David Luick, Target Stores
Enclosures

96 MAR 27 PM 1:42
ENVIRONMENTAL
PROTECTION

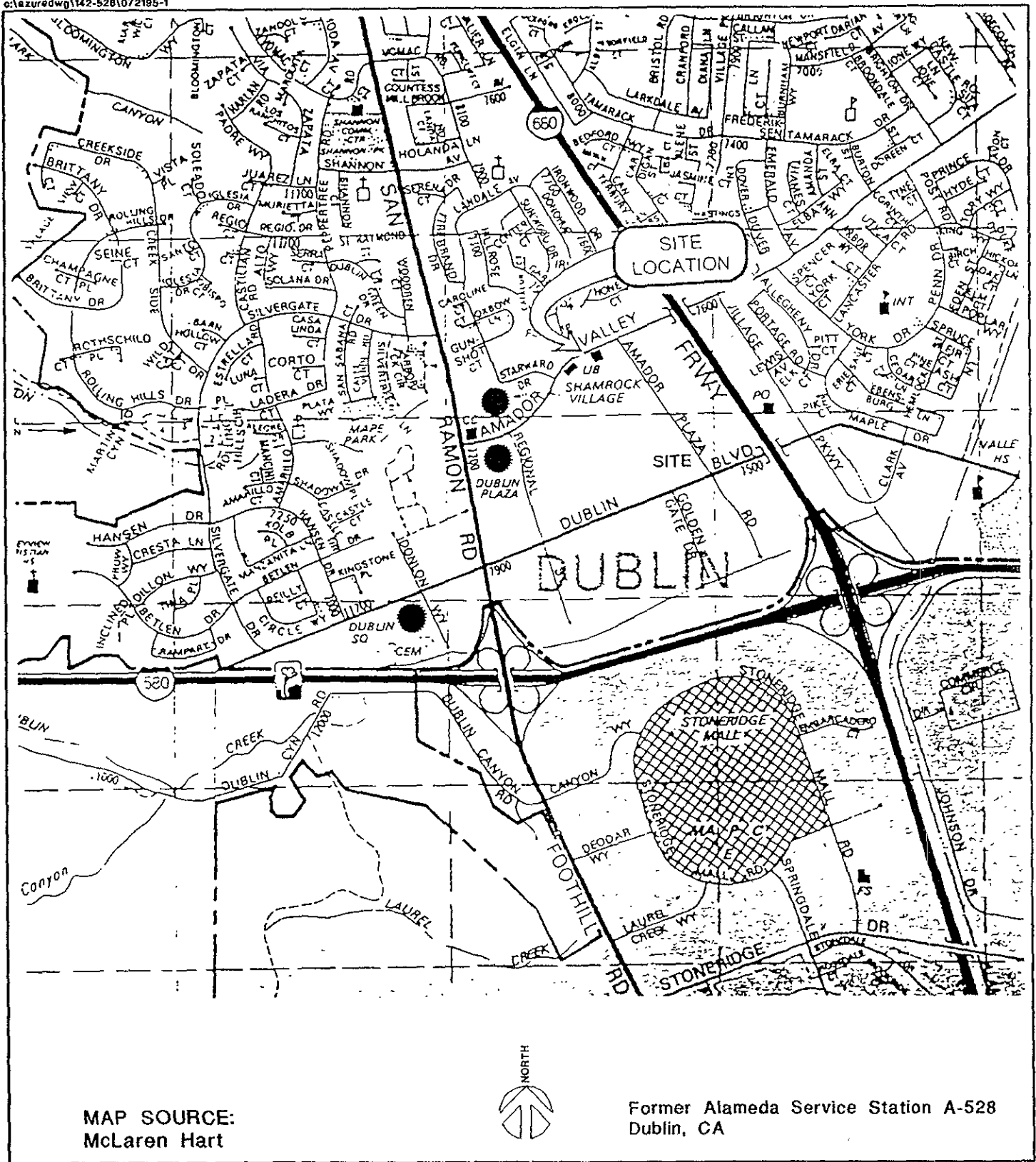
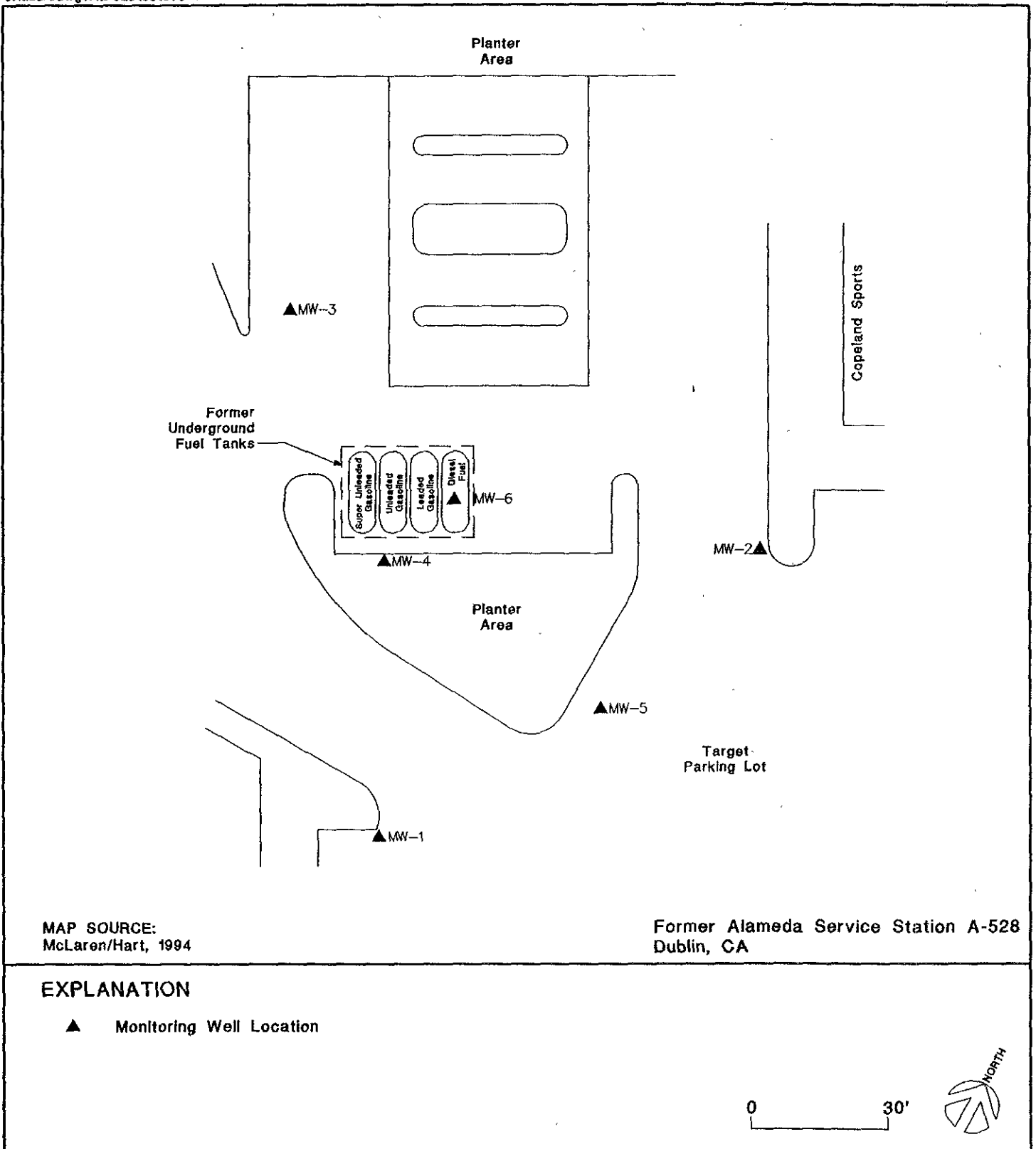


Figure 1: Site Vicinity Map



MAP SOURCE:
McLaren/Hart, 1994

Former Alameda Service Station A-528
Dublin, CA

EXPLANATION

▲ Monitoring Well Location

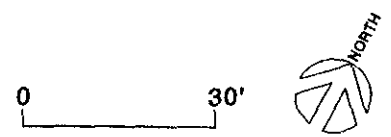


Figure 2: Site Plan



ZONE WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 7608 Anador Valley Blvd.
Dublin, CA

PERMIT NUMBER 96141
LOCATION NUMBER 3S/IW ID4 to ID9

CLIENT
Name Tesoro
Address 320 S.W. Stark, Ste. 500 Voice 503/242-0244
City Portland, OR Zip 97204

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Azure Environmental
Allen: Jeff Hanner Fax 415/425-6062
Address 828 Mission Ave. Voice 425-9740
City San Rafael, CA Zip 94901

A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
Domestic Industrial Other
Municipal Irrigation

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other pressure grout

DRILLER'S LICENSE NO. Precision Sampling #636387
(C-57)

WELL PROJECTS
Drill Hole Diameter 10 in. Maximum 20 ft.
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 3 ft. Number MW-1 TO MW-6

GEOTECHNICAL PROJECTS
Number of Borings Maximum
Hole Diameter in. Depth ft.

ESTIMATED STARTING DATE 3/11/96
ESTIMATED COMPLETION DATE 3/11/96

Approved Wyman Hong Date 1 Mar 96
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

1 March 1996

ZONE 7
WATER RESOURCES ENGINEERING
GROUNDWATER PROTECTION ORDINANCE

TESORO
7608 AMADOR VALLEY BOULEVARD
DUBLIN
WELLS 3S/1W 1D4 TO 1D9
PERMIT 96141

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Pressure grout the casing to 2 feet below finished grade or original ground, whichever is the lower elevation.
3. Remove casing, seal and gravel pack to 2 feet below finished grade or original ground, whichever is the lower elevation.
4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Jeff Hennier of Azure Environmental meet or exceed Zone 7 minimum requirements.

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

StID 3746

February 5, 1996

Mr. David Luick
Target Stores
P.O. Box 1392
Minneapolis, MN 55440

Alameda County Environmental Health Dept
Environmental Protection Division
1131 Harbor Bay Parkway, Room 210
Alameda CA 94502-6570
(510)567-6700 fax: (510)337-9300

RE: Well Decommission at Target Store, 7200 Amador Valley Blvd,
Dublin 94568

Dear Mr. Luick:

This office and the S.F. RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring wells (MW-1 through MW-6) should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Flood Control and Water Conservation, Zone 7. They can be reached at (510) 484-2600.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: ^{of} Jeff Hennier, 828 Mission Ave, San Rafael, CA 94901
files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 3746

March 15, 1995

Mr. Brad Wright
McLaren Hart
1135 Atlantic Ave
Alameda, CA 94501

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

RE: Sampling Frequency at 7608 Amador Valley Blvd, Dublin
94568

Dear Mr. Wright:

Thank you for the submittal of McLaren Hart's March 1995 Quarterly Groundwater Monitoring Report for the above referenced site. Groundwater extraction appears to have removed most of the contaminated groundwater as evidenced by the analytical results of recent sampling events. If this trend continues, I will review the case file for site closure.

At this time, continue quarterly sampling of wells MW-2, MW-4, and MW-6. The sampling frequency of MW-5 may be reduced to an annual basis, beginning after the March 1995 sampling event.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu
Hazardous Materials Specialist

cc: David Luick, Target Stores, 33 South 6th St, Minneapolis,
MN 55440-1342
files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 3746

July 21, 1994

Mr. Brad Wright
McLaren Hart
1135 Atlantic Ave
Alameda, CA 94501

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

**RE: QMR at Former Alameda Service Station A-527, 7608 Amador
Valley Blvd, Dublin 94568**

Dear Mr. Wright:

I have completed review of McLaren Hart's March 1994 Quarterly Ground Water Monitoring and Interim Remediation Report for the above referenced site. It appears the interim extraction of groundwater to remove dissolved hydrocarbons has reduced benzene concentrations to levels where further extraction may not be necessary. And quarterly monitoring and sampling may be appropriate at this time to evaluate the effectiveness of the remediation.

At this time wells MW-2, 4, 5, and 6 should be sampled quarterly. The next round of sampling should include the analysis for total dissolved solids from one of the wells. Sampling of wells MW-1 and MW-3 may be discontinued. However, groundwater elevation should be measured from all existing wells.

If you have any questions, I may be reached at (510) 337-2869.

Sincerely,

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

eva chu
Hazardous Materials Specialist

cc: David Luick, Target Stores, 33 South 6th St, Minneapolis,
MN 55440-1342
files

target4

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 3746

September 27, 1993

Mr. Campbell McLeod
McLaren Hart
1135 Atlantic Ave.
Alameda, CA 94501

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

**Subject: Approval of Proposal for Interim Remediation at the
Former Alameda Service Station A-527, 7608 Amador Valley
Blvd., Dublin 94568**

Dear Mr. McLeod:

I have complete review of McLaren Hart's September 13, 1993 Proposal to Conduct Quarterly Groundwater Sampling and Interim Remediation at the above referenced site. The plan to extract contaminated groundwater from well MW-2 is acceptable and the plan can be implemented as soon as possible.

You further proposed to sample well MW-3 for TPH-G and BTEX in September 1993. I recommend this well be sample in March 1994, instead, when groundwater levels tends to be at the seasonal high.

If you have any questions, please contact me at (510) 271-4530.

Sincerely,

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

eva chu
Hazardous Materials Specialist

cc: David Luick, Target Stores, 33 South 6th St., Minneapolis,
MN 55440-1342
files

target3



September 13, 1993

Mr. David Luick
Environmental Specialist
Target Stores
333 South Sixth Street
Minneapolis, Minnesota 55440

Dear Mr. Luick:

SUBJECT: PROPOSAL AND COST ESTIMATE TO CONDUCT QUARTERLY GROUND WATER SAMPLING AND INTERIM REMEDIATION AT THE FORMER ALAMEDA SERVICE STATION A-527, NEAR TARGET STORE T-328, DUBLIN, CALIFORNIA

As requested, McLaren/Hart has prepared a scope of work including sampling plan and cost estimate to conduct: a quarterly ground water sampling program at the above-referenced location ("site") for a period of one year (September 1993 to June 1994), and; interim remediation by removing impacted ground water from well MW-2. This proposal is based upon the results and recommendations presented in McLaren/Hart's "June 1993 Quarterly Ground Water Monitoring and Interim Remediation Report" for the site. The report has been submitted to the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCSA), the lead regulatory agency for the site. The proposed monitoring program is consistent with the previous program for the site approved by Ms. Eva Chu of the ACHCSA in a December 18, 1992 letter.

Six monitoring wells (MW-1 through MW-6) presently exist at the site. The proposed ground water monitoring program includes the following: (1) collecting water level measurements every quarter from six wells; (2) analyzing water samples collected at wells MW-2, MW-4, MW-5 and MW-6 on a quarterly basis for total petroleum hydrocarbons as gasoline (TPH/G) by the California Department of Health (DHS) LUFT Method and for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020; (3) analyzing a water sample from well MW-3 in September 1993 (annual event) for TPH/G and BTEX; (4) analyzing a water sample collected at MW-6 in March 1994 (spring sampling event) for total petroleum hydrocarbons as diesel (TPH/D) by DHS LUFT Method.

The proposed interim remediation consists of removing up to approximately 1,400 gallons of ground water from well MW-2 during each quarterly sampling event and disposing of the water at a local oil recycler. During nine earlier interim remediation measures, 3,300 gallons

0817CDJ1

Mr. David Luick
September 13, 1993
Page 2

of impacted ground water had been removed from well MW-6. Concentrations of gasoline-related constituents at MW-6 steady decreased, apparently as a result of the ground water removal, until benzene was not detected at or above the reporting limit during the last two quarterly sampling events. Well MW-2 was selected for interim remediation because this well contains the highest concentrations of gasoline-related constituents recently detected at the site.

The scope of work including sampling plan and associated costs are enclosed as Attachment 1 and Attachment 2, respectively. The four tasks and associated costs necessary to complete the work are listed below.

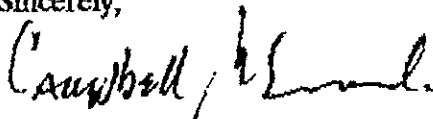
- Task 1.0 Ground Water Sampling Plan
 and Project Management**
- Task 2.0 Ground Water Sampling and Analysis**
- Task 3.0 Interim Ground Water Remediation**
- Task 4.0 Report Preparation**

PROJECT TOTAL

Quarterly sampling is scheduled for September 1993. McLaren/Hart is prepared to start work on this project as soon as we have your authorization to proceed. Once the work has been authorized and with your approval, the sampling plan will be submitted to the ACHCSA for their review.

If you have any questions or comments please call either of us at (510) 521-5200.

Sincerely,



Campbell McLeod
Supervising Geoscientist



Clifton Davenport
Principal Geoscientist, C.E.G.

Attachments

0817CDJI



Mr. David Luick
September 13, 1993
Page 2

of impacted ground water had been removed from well MW-6. Concentrations of gasoline-related constituents at MW-6 steady decreased, apparently as a result of the ground water removal, until benzene was not detected at or above the reporting limit during the last two quarterly sampling events. Well MW-2 was selected for interim remediation because this well contains the highest concentrations of gasoline-related constituents recently detected at the site.

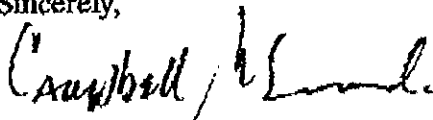
The scope of work including sampling plan and associated costs are enclosed as Attachment 1 and Attachment 2, respectively. The four tasks and associated costs necessary to complete the work are listed below.

Task 1.0	Ground Water Sampling Plan and Project Management	\$ 1,937
Task 2.0	Ground Water Sampling and Analysis	\$11,326
Task 3.0	Interim Ground Water Remediation	\$8,550
Task 4.0	Report Preparation	\$11,880
PROJECT TOTAL		\$33,693

Quarterly sampling is scheduled for September 1993. McLaren/Hart is prepared to start work on this project as soon as we have your authorization to proceed. Once the work has been authorized and with your approval, the sampling plan will be submitted to the ACHCSA for their review.

If you have any questions or comments please call either of us at (510) 521-5200.

Sincerely,



Campbell McLeod
Supervising Geoscientist



Clifton Davenport
Principal Geoscientist, C.E.G.

Attachments

0817CDJ1



ATTACHMENT 1

GROUND WATER SAMPLING PLAN AND INTERIM REMEDIATION MEASURE

This scope of work is for complete services to: 1) collect water level measurements; 2) conduct quarterly ground water sampling and analyses; and 3) conduct interim remediation at the former Alameda Service Station A-528 located at 7608 Amador Valley Boulevard, Dublin, California. The work will be performed over a period of one year.

Ground Water Sampling Plan Preparation and Project Management

The Health and Safety Plan for the Site will be updated to include the new activities and analytical results. The sampling plan will identify all field procedures and quality controls that will be used for sampling personnel and the state-certified Laboratory (MBT Environmental Laboratory, Rancho Cordova, California). The sampling plan includes:

- Four casing volumes will be purged from each well before collecting the ground water sample with a disposable bailer. If the well is a low producer, the well water will be evacuated using a bailer, and when the well has recovered to 80 percent, a sample will be collected. Physical parameters including temperature, electric conductivity, pH and turbidity will be recorded for each casing volume removed. These parameters must stabilize (results can be confirmed within 5 percent) before the sample can be collected, and turbidity must be less than 100 NTUs.
- Samples will be collected by filling a glass vial until a meniscus forms at the rim; the meniscus will be sheared and the closure secured. Sample containers will be given a unique pre-printed numbered label from a sampling log book. All samples will be placed in a cooler with ice immediately following collection, and will remain in the cooler until received by the laboratory. Samples will be accompanied by chain-of-custody forms at all times.
- One trip blank and one replicate will accompany the samples during each quarterly sampling episode.
- Laboratory quality assurance and quality control procedures will include analyzing a method blank and laboratory control spike (analyzed in duplicate) for each analytical method performed.
- Whenever the analytical results reported for a well appear to be anomalous, a replicate sample from that well will be collected and analyzed the following quarter.

- Purged ground water will be contained on-site, analyzed and then appropriately disposed of, based on the analytical results.
- Target Stores will be notified immediately in the event that free product is encountered in any of the wells. Based on past sampling events, free product is not expected to be present. McLaren/Hart will be prepared to note any product thickness observed during sampling and to implement a product bailing program at Target's request. This program would involve manual bailing of the product from the well, and containing the product and water in separate drums on site before disposal. A record of product recovery and bailing activity will be kept and detailed in the quarterly reports. The cost for the bailing program are not included in this proposal, but would accrue on a time and material basis.

Project management activities will include updating the ground water sampling plan, performing QA/QC on laboratory data, budget tracking, client contact, and updating the Health and Safety Plan.

Quarterly Ground Water Sampling and Analysis

The following activities will take place during each quarterly sampling episode:

- Measurement of ground water elevations in six wells.
- Ground water sampling of four monitoring wells as follows:
 - As part of quarterly sampling, analyze water samples from wells MW-2, MW-4, MW-5 and MW-6 for TPH/G by DHS LUFT Manual Method and by EPA Method 8020 for BTEX compounds. A trip blank for each analytical method will be included.
 - As part of the September 1993 sampling, analyze a water sample from well MW-3 for TPH/G and BTEX compounds.
 - As part of the March the 1994 sampling, analyze a water sample from MW-6 by DHS LUFT Manual Method for TPH as diesel (TPH/D).
- Each ground water sample will be tracked by extensive paper work from the time of collection. The paper work to be completed during sampling includes: field documentation; hydrologic data sheets; sampling field data sheets; chain-of-custody records; and sample labels.

Field data recorded at the time of sample collection will include the following:

- Date of entry
- Purpose of sampling
- Description of sampling
- Number of samples taken
- Date and time of sample collection
- Field sample identification of well from which sample was collected
- References, such as maps or photographs of sampling site
- Field observations
- Condition and operation of sampling equipment

Field personnel will date and sign all data entries. All sampling field data sheets will include information on specific activities related to the collection of a single sample. The sampling field data sheet will be completed in the field at the time of sample collection by sampling personnel.

- Water level measurements will be used to determine the water surface elevation in each of the monitoring wells. Well sounding will be accomplished using an Olympic Well Probe Model 300 (Actac Corporation) electrical water level sounder. If floating product is observed, the thickness will be measured using a Marine Moisture Systems oil/water interface measurement device, and water elevations would be corrected to compensate for the weight of the product. All measurements will be referenced to the top of the well casing and expressed in feet.

Interim Remediation

Up to approximately 1,400 gallons of ground water will be removed from MW-2 during each quarterly sampling event. Recent ground water samples collected at MW-2 contained the highest concentration of gasoline-related constituents recently detected at the site. Extraction of ground water from MW-2 will remove impacted ground water and limit the potential migration of impacted ground water off-site.

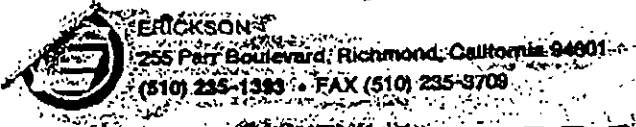
- During extraction the static water level of all five monitoring wells will be recorded periodically (three times daily) to determine the area influenced by water removal.
- MW-2 will be sampled after the ground water extraction has been completed.

Purge Water Disposal

Ground water purged from the monitoring wells and ground water extracted during interim remediation will be temporarily contained on-site in a Poly Tank. The water will be transported by vacuum truck to a local oil recycling facility.

Quarterly Report Preparation

Four quarterly reports will be prepared. The quarterly reports will include: a ground water elevation contour map with inferred ground water flow direction, a site map showing well locations and chemicals detected, a table showing historical water levels for each well, a table of chemical analytical data for each well, copies of analytical data sheets, and well sampling and chain-of-custody records. The text will document the sampling efforts, discuss the laboratory QA/QC results, and present conclusions and recommendations based on the laboratory analytical results.



NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME TARGET STORES
 ADDRESS Two R Amador Valley Drive
 CITY, STATE, ZIP Dublin CA
 CONTAINERS: No. 11 VOLUME 1445 GAL WEIGHT _____

EPA I.D. NO. 111111111111
 PHONE NO. (510) 521-5200

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER VACUUM TRUCK

WASTE DESCRIPTION Water GENERATING PROCESS Well Monitor

COMPONENTS OF WASTE			COMPONENTS OF WASTE		
	PPM	%		PPM	%
1. <u>Water</u>		<u>100</u>	5. _____		
2. _____			6. _____		
3. _____			7. _____		
4. _____			8. _____		

PROPERTIES: PH 7.9 SOLID LIQUID SLUDGE SLURRY OTHER _____

HANDLING INSTRUCTIONS _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

[Signature] 5/3/94
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ERICKSON INC
 ADDRESS 255 PARR BLVD
 CITY, STATE, ZIP RICHMOND CA 94801
 PHONE NO. (510) 235-1392
 TRUCK, UNIT, I.D. NO. 4201

EPA I.D. NO. CA1D101071416193912
 SERVICE ORDER NO. 24271
 PICK UP DATE 5-3-94
JERRY L. HOLSEY 3 May 94
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GREEN ENVIRONMENTAL
 ADDRESS 475 RED SEA DOVE BLVD
 CITY, STATE, ZIP Redwood City CA 94061
 PHONE NO. (415) 362-5511
SHAWN RASLIN
 TYPED OR PRINTED FULL NAME & SIGNATURE

EPA I.D. NO. CA1D101432161071012
 DISPOSAL METHOD LANDFILL OTHER Recycle
Profile 11301
[Signature] 5-3-94
 F.I.T. 5228
 DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
CO		RT/CO	HWDF NONE	DISCREPANCY

EDIFORM.

CARBONLESS SPEEDISSET

Dublin

SHORT FORM BILL OF LADING 6S675/6P6

002 3-PAI

STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable

Shipper's No.

ERICKSON, INC

Carrier

Carrier's No. 80993

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Origin Dublin 3/22/93 from Target Stores.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Gibson Pilot (Mail or street address of consignee—For purposes of notification on destination)

Destination 475 SEA PORT BLVD State CA Zip Code 94604 County SAN MATEO

Delivery Address (to be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier ERICKSON Car or Vehicle Initials YES No. 309168

Table with 7 columns: No. Packages, HAZ MAT, Kind of Package, Description of Articles, Special Marks, and Exceptions, Weight (Sub. to Car), Class or Rate, Check Column. Row 1: X 830 gallons of non-hazardous well purge water. Row 2: Profile 11061. Row 3: PLACARDS PROVIDED FOR THIS LOAD.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. IMPORTANT! When shipping hazardous materials this information must be provided:

EMERGENCY CONTACT: 24 HOUR PHONE NUMBER: (510) 235-1303

The shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is "carrier's shipper's weight." NOTE-When the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification. Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Target Stores Shipper, per [Signature] Agent, per [Signature]

EDIFORM, 6S675/6P675 POLYPAK (50 SETS)

carbonless speediset

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



EBN

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

StID 3746

December 18, 1992

Mr. Campbell McLeod
McLaren Hart
1135 Atlantic Ave
Alameda, CA 94501

**Subject: Revision of Quarterly Monitoring Program at the Former
Alameda Service Station A-558, 7608 Amador Valley Blvd.,
Dublin 94568**

Dear Mr. Campbell

I have reviewed the proposed revision for the quarterly monitoring program for the above referenced site. A decrease in sampling frequency at MW-3, from quarterly to annually, is acceptable. The discontinued sampling of MW-1 is also acceptable until further notice. It is understood that these wells will still be monitored quarterly for groundwater elevation. In addition, groundwater samples from MW-6 will be analyzed for TPH-D annually and for TPH-G and BTEX quarterly. Diesel analysis should be done during spring, when groundwater is at its seasonal high.

The revised sampling schedule can be implemented at the next sampling event.

If you have any questions or comments about the content of this letter, please contact me at (510) 271-4530.

Sincerely,

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

Eva Chu
Hazardous Materials Specialist

cc: Rich Hiett, RWQCB
Jim Busch, Target Stores, 33 South 6th St., Minneapolis MN
55440
Tom Hathcox, Dougherty Regional Fire Authority
Edgar Howell/files

target2

Scott Seery Sep 1992

**ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY**



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

StID 3746

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 2
Oakland, CA 94612
(510) 271-4530

August 17, 1992

Target Stores
Jim Busch, Environmental Mgr.
33 South 6th Street
Minneapolis, MN 55440

**Subject: Interim Remediation Plan for Former Alameda Service
Station A-578, 7608 Amador Valley Blvd., Dublin 94568**

Dear Mr. Busch:

This office has reviewed the June 1992 Quarterly Ground Water Monitoring and Interim Remediation Report prepared by McLaren/Hart for the above referenced site.

Ground water samples indicate that monitoring wells (MWs) 2 and 6 continue to exhibit benzene in excess of the State Maximum Contaminant Levels (MCL). In an effort to effectively remediate the impacted ground water, McLaren/Hart recommends a monthly extraction program for the next quarter. Water will be extracted from MW-6 in September, October, November, and December. Monitoring wells will be sampled during the normal quarterly monitoring. The effectiveness of the increased water extraction program will be evaluated and presented in the December 1992 report.

This office approves and has no objection to your proceeding with the recommended plan for remediation of impacted ground water. Please keep this office and the San Francisco Bay Regional Water Quality Control Board (RWQCB) informed of your progress in this regard. Should you have any questions, please contact Ms. Eva Chu at (510) 271-4530.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB
Campbell McLeod, McLaren/Hart, 1135 Atlantic Ave., Alameda 94501
Mark Thomson, Alameda County District Attorney's Office
Tom Hathcox, Dougherty Fire Authority
Edgar Howell/files

Target

HELLER, EHRMAN, WHITE & MCAULIFFE
ATTORNEYS

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

338 BUSH STREET
SAN FRANCISCO, CALIFORNIA 94104-5076
FACSIMILE (415) 771-8288
TELEPHONE (415) 772-8000

801 SOUTH FIGUEROA STREET, 40TH FLOOR
LOS ANGELES, CALIFORNIA 90017-5758
TELEPHONE (213) 659-0200 - FACSIMILE (213) 614-1868

701 FIFTH AVENUE
SEATTLE, WASHINGTON 98104-7088
FACSIMILE (206) 447-0649
TELEPHONE (206) 447-0900

555 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA 94301-1908
FACSIMILE (415) 324-0838
TELEPHONE (415) 326-7600

FACSIMILE TRANSMITTAL SHEET

1201 PACIFIC AVENUE
TACOMA, WASHINGTON 98402-4302
FACSIMILE (206) 672-0742
TELEPHONE (206) 672-8886

1300 S.W. FIFTH AVENUE
PORTLAND, OREGON 97201-5889
FACSIMILE (503) 241-0859
TELEPHONE (503) 427-7400

550 WEST 7TH AVENUE
ANCHORAGE, ALASKA 99501-3571
FACSIMILE (907) 277-1930
TELEPHONE (907) 277-1900

TO: Mr. Ed Howell (Addressee)
Alameda County Dept. of Env. Health (Company)
510/569-4757 (Telecopy No.)

(Confirmation No.)

FROM: Evalyn F. Heidelberg (Sender)
July 9, 1992 (Date)
2 + cover (No. of Pages & Cover Sheet)
14408-0007 1219 /046 (Sender's Reference No.)
Client/Matter Atty. Code

We are sending from: (213) 614-1868 Ricoh Fax 1000L

MESSAGE:

THE INFORMATION CONTAINED IN THIS COMMUNICATION IS INTENDED ONLY FOR THE ADDRESSEE AND MAY BE CONFIDENTIAL, MAY BE ATTORNEY-CLIENT PRIVILEGED AND MAY CONSTITUTE INSIDE INFORMATION. UNAUTHORIZED USE, DISCLOSURE OR COPYING IS STRICTLY PROHIBITED, AND MAY BE UNLAWFUL. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US AT 213/689-7518.

If you do not receive all pages, please call sender at (213) 689-7518 immediately.

HELLER, EHRMAN, WHITE & MCAULIFFE
ATTORNEYS

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

333 BUSH STREET
SAN FRANCISCO, CALIFORNIA 94104-2878
FACSIMILE (415) 772-8888
TELEPHONE (415) 772-8000

801 SOUTH FIGUEROA STREET, 40TH FLOOR
LOS ANGELES, CALIFORNIA 90017-8758

TELEPHONE (213) 688-0200 • FACSIMILE (213) 614-1888

701 FIFTH AVENUE
SEATTLE, WASHINGTON 98104-7098
FACSIMILE (206) 447-0848
TELEPHONE (206) 447-0800

825 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA 94301-1808
FACSIMILE (415) 324-0638
TELEPHONE (415) 358-7600

1801 PACIFIC AVENUE
TACOMA, WASHINGTON 98402-4808
FACSIMILE (206) 872-8743
TELEPHONE (206) 872-8888

July 9, 1992

1800 S.W. FIFTH AVENUE
PORTLAND, OREGON 97201-8888
FACSIMILE (503) 841-9999
TELEPHONE (503) 827-7400

550 WEST 7TH AVENUE
ANCHORAGE, ALASKA 99501-3871
FACSIMILE (907) 877-1888
TELEPHONE (907) 877-1800

VIA FACSIMILE

14408-0007

Mr. Ed Howell
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Howell:

Target Sites
7200 Amador
STD 3746

In follow up to our telephone conversation of this morning, this is to authorize your department to charge Heller, Ehrman, White & McAuliffe for your time and materials in obtaining certain information regarding the compliance status of Alameda Management Company's ("Alameda") underground storage tanks located at 7608 Amador Valley Boulevard, Dublin. We understand that your charges are \$71 per hour and \$1 per page for copying.

As I indicated, we represent a client who is about to file suit against Alameda asserting various common law causes of action. In the complaint, we are alleging Alameda's violation of a number of laws and/or regulations at the Amador Valley Boulevard site, as follows:

- o failure to report unauthorized releases of substances from one or more underground storage tanks, in violation of California Health and Safety Code § 25294 and 25295, Title 23 of the California Code of Regulations, §§ 2643 and 2652, and other provisions of the California Underground Storage of Hazardous Substances Law, Health and Safety Code §§ 25100 et seq. and state and local regulations promulgated thereunder;
- o failure to comply with state or local requirements regarding investigation and/or remediation of known

Mr. Ed Howell
July 9, 1992
Page 2

site contamination, in violation of the California Underground Storage of Hazardous Substances Law, Health and Safety Code §§ 25280 et seq. and state and local regulations thereunder; and

- o discharge of hazardous waste into the environment, in violation of the California Hazardous Waste Control Law, California Health and Safety Code §§ 25100 et seq., and state and local regulations promulgated thereunder.

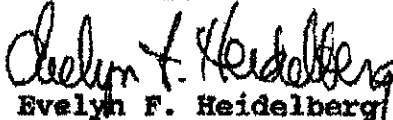
Our request to you is that you advise us as to whether any of the violations are no longer ongoing, i.e., have been cured or corrected. For example, our records, which were current as of about 1990 or 1991, show that Alameda failed to comply with state or local requirements regarding investigation and/or remediation of known site contamination. We need to know whether Alameda has since that time come into compliance with these regulations by conducting the required investigation and at least beginning the remediation of the known site contamination. Similarly, we would like to know if your records show whether Alameda has since 1990 or 1991 cleaned up all discharge of hazardous waste at the Dublin site.

Finally, for purposes of the pending litigation, we may need to obtain a declaration from the staff person that conducts this investigation into the current status of the above-referenced violations. The thrust of such a declaration would be that Alameda is currently in violation of specified provisions of law or regulation. If we determine that we need such a declaration, we will gladly draft one based on the information we receive from you. We would appreciate your indicating, in your response to this request, the name and title of the staff person who conducted the investigation. *Former staff on project: Gill Wistar, Ravi Arulanantham*

Current: Esachew

Thank you for your prompt attention to this request.
Should you have any questions, please call me at (213) 244-7828.

Sincerely,


Evelyn F. Heidelberg

DATE: 3/2/92

TO : Local Oversight Program

FROM: RON OWCARZ

SUBJ: Transfer of Eligible Oversight Case

Site name: TARGET STORES, INC.

Address: 7200 Amador Valley Blvd, city Dublin zip 94568

Closure plan attached? Y N DepRef remaining \$275

DepRef Project # 2041 STID #(if any) 3746

Number of Tanks: 4 removed? Y N Date of removal 9/25/90

Leak Report filed? Y N Date of Discovery 9/25/90

Samples received? Y N Contamination: Soil + water

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

Monitoring wells on site 5 Monitoring schedule? Y N

Briefly describe the following:

Preliminary Assessment NA

Remedial Action soil excavation + removal + installation of SMWS + extraction well

Post Remedial Action Monitoring quarterly reporting

Enforcement Action respond to latest work plan submitted 9/13/91

Comments: Heavy soil + water contamination. Further site investigation needed. Extraction well proposed. What happened to contaminated soil? 2 deposits were received for this place.



91 MAY 21 AM 11:52

May 20, 1991

Dr. Ravi Arulanantham
Alameda County Department of Environmental Health
Division of Hazardous Materials
80 Sway Way, Suite 200
Oakland, California 94621

*approved
5/21/91*

Dear Dr. Arulanantham:

RECOMMENDATIONS FOR ADDITIONAL SITE CHARACTERIZATION OF THE FORMER TARGET STORE T-328 LOCATED AT 7608 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

This letter identifies the additional site characterization to be conducted at the former Target store T-328 located at 7608 Amador Valley Boulevard, Dublin, California. The additional site characterization scope of work is based on the results and recommendations presented in the Phase 1 investigation report by McLaren/Hart entitled "Results of the Phase 1 investigation for Target store T-328 located at 7608 Amador Valley Boulevard, Dublin, California", dated April 16, 1991 and your verbal comments to these results and recommendations.

The scope of work for the additional site characterization will include the following activities:

- Construct a shallow groundwater monitoring well (MW-5) about 80 feet downgradient of MW-4 and equally distant between MW-1 and MW-2.
- Conduct a qualitative survey of shallow ground water by collecting grab water samples from a minimum of five open boreholes which will be sealed after sampling is completed.
- Collect water samples from the four existing wells (MW-1 through MW-4) and MW-5.
- Measure depth to groundwater in all five wells (MW-1 through MW-5).
- Analyze the 10 water samples (5 grab water and 5 monitoring well) for total petroleum hydrocarbons as gasoline (TPH\G) and for benzene, toluene, ethylbenzene and total xylenes (BTEX) by DHS LUFT manual method.

- Prepare a letter report which will include laboratory and groundwater data, well construction details, groundwater contour map and an evaluation of the soil and groundwater data. The report will also include recommendations for future activities based on the these evaluations.

The above defined work is proposed based on the following assumptions:

- The purpose of this investigation is to characterize the lateral extent of petroleum hydrocarbons in the shallow groundwater beneath the site. The results of the Phase 1 investigation indicated that petroleum hydrocarbons are in the groundwater near MW-4 and MW-2. Groundwater flow direction is toward the southeast.
- Based on the extensive clay material encountered beneath the site, which would act as a restrictive layer inhibiting vertical migration of chemicals, and because no floating petroleum product was observed in MW-1 through MW-4, it is not necessary to construct a deeper well at the site to monitor water quality in a lower flow zone.
- The locations of the proposed monitor well (MW-5) and five borings are shown in Figure 1. The five boring locations where the grab water samples, GW-1 through GW-5, will be collected are the following: the former tank excavation, downgradient and south of proposed MW-5, downgradient and north of proposed MW-5, upgradient of MW-1 and cross gradient of MW-2.

Monitoring well-5 will be constructed to the same specifications as the four previous monitoring wells. The five grab water samples will be collected in the following manner:

- Drill with hollow stem augers an 8-inch boring to 20 feet.
- Remove the augers and place a 2-inch diameter 15-foot length of well screen with blank casing inside the borehole. Wait several hours before removing three casing volumes with a peristaltic pump.
- Sample the well with a disposable bailer.
- Seal the borehole to surface by pumping cement grout through a tremie pipe.



Dr. Ravi Arulanantham
May 20, 1991
Page 3

The order in which the five boreholes will be drilled is GW-5, further from the source area (former tank excavation) first, followed by GW-4, GW-3, GW-2 and GW-1. Wherever a temporary well casing is used a second time, it will be thoroughly steam cleaned prior to reuse. If any petroleum product is observed in the well during sampling then that temporary well casing will not be used a second time.

Work completed at monitoring well-5 will follow the specifications for well installation, well development and sampling as defined in the "Work Plan for Phase 1 Investigation Target Store T-328 Dublin, California". All necessary permits will be obtained.

All soil and water generated during drilling and sampling will be contained, analyzed and disposed of properly. The above defined scope of work will be completed under an updated version of the original Health and Safety Plan for the Phase 1 investigation.

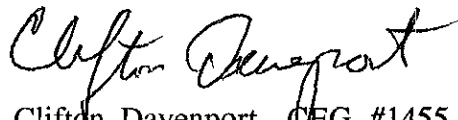
The additional site characterization work will begin one week after final approval has been given by the Alameda County Department of Environmental Health.

If you have any questions or comments please do not hesitate to call us.

Sincerely,



Campbell McLeod
Senior Geologist



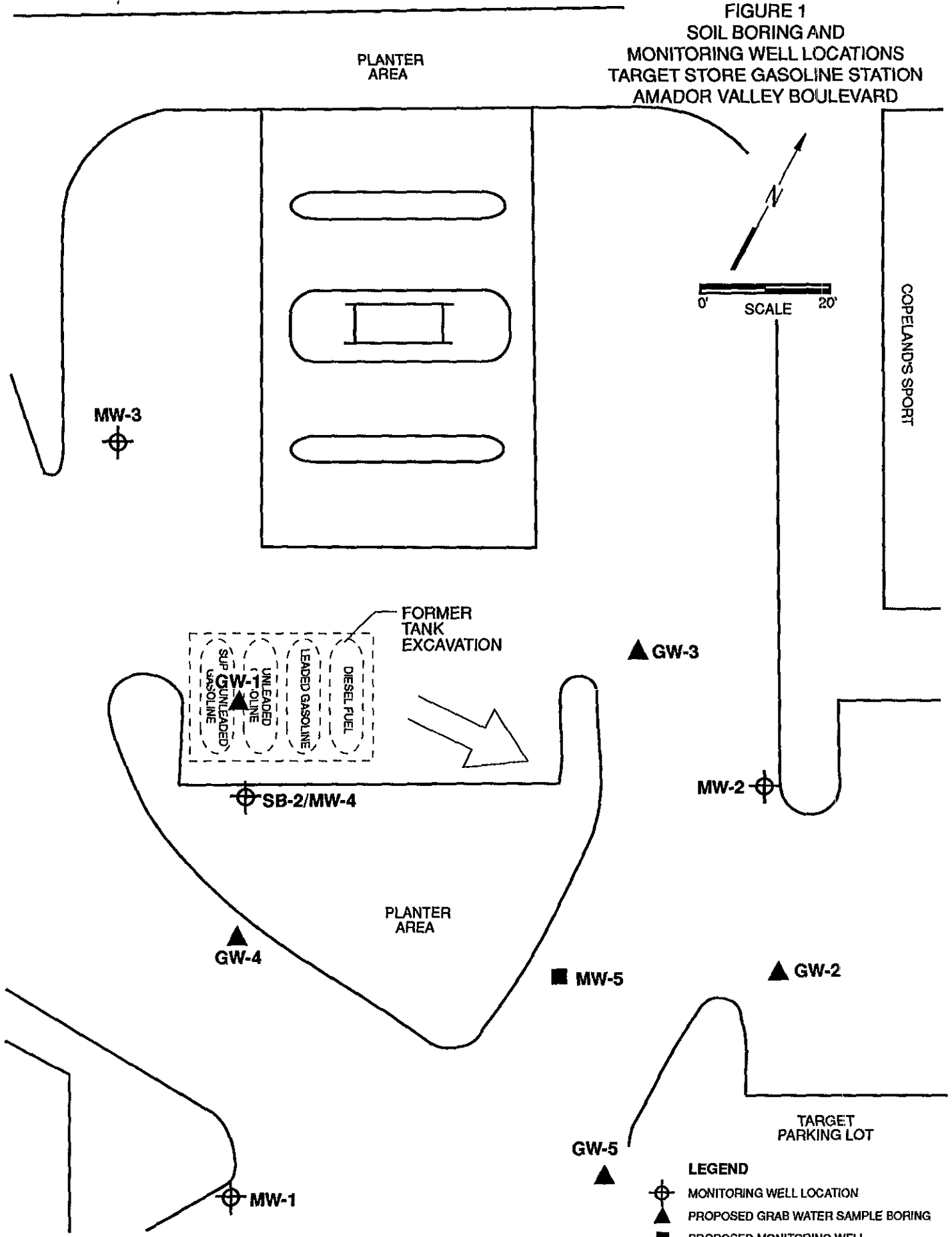
Clifton Davenport, CEG #1455
Principal Hydrogeologist

Attachment

0502CDJ1



FIGURE 1
 SOIL BORING AND
 MONITORING WELL LOCATIONS
 TARGET STORE GASOLINE STATION
 AMADOR VALLEY BOULEVARD



- LEGEND**
- ⊕ MONITORING WELL LOCATION
 - ▲ PROPOSED GRAB WATER SAMPLE BORING
 - PROPOSED MONITORING WELL
 - FEBRUARY 28, 1991 GROUNDWATER FLOW DIRECTION



91 MAY 15 AM 9:13

May 14, 1991

Dr. Ravi Arulanantham
Alameda County Department of Environmental Health
Division of Hazardous Materials
80 Sway Way, Suite 200
Oakland, California 94621

Dear Dr. Arulanantham:

RECOMMENDATIONS FOR ADDITIONAL SITE CHARACTERIZATION OF THE FORMER TARGET STORE T-328 LOCATED AT 7608 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

This letter identifies the additional site characterization to be conducted at the former Target store T-328 located at 7608 Amador Valley Boulevard, Dublin, California. The additional site characterization scope of work is based on the results and recommendations presented in the Phase 1 investigation report by McLaren/Hart entitled "Results of the Phase 1 investigation for Target store T-328 located at 7608 Amador Valley Boulevard, Dublin, California", dated April 16, 1991 and your verbal comments to these results and recommendations.

The scope of work for the additional site characterization will include the following activities:

- Construct a shallow groundwater monitoring well(MW-5) about 80 feet downgradient of MW-4 and equally distant between MW-1 and MW-2.
- Conduct a qualitative survey of shallow ground water by collecting grab water samples from five open boreholes which will be sealed after sampling is completed.
- Collect water samples from the four existing wells (MW-1 through MW-4) and MW-5.
- Measure depth to groundwater in all five wells (MW-1 through MW-5).
- Analyze the 10 water samples (5 grab water and 5 monitoring well) for total petroleum hydrocarbons as gasoline (TPHG) and for benzene, toluene, ethylbenzene and total xylenes (BTEX) by DHS LUFT manual method.

- Prepare a letter report which will include laboratory and groundwater data, well construction details, groundwater contour map and an evaluation of the soil and groundwater data. The report will also include recommendations for future activities based on the these evaluations.

The above defined work is proposed based on the following assumptions:

- The purpose of this investigation is to characterize the lateral extent of petroleum hydrocarbons in the shallow groundwater beneath the site. The results of the Phase 1 investigation indicated that petroleum hydrocarbons are in the groundwater near MW-4 and MW-2. Groundwater flow direction is toward the southeast.
- Based on the extensive clay material encountered beneath the site, which would act as a restrictive layer inhibiting vertical migration of chemicals, and because no floating petroleum product was observed in MW-1 through MW-4, it is not necessary to construct a deeper well at the site to monitor water quality in a lower flow zone.
- The locations of the proposed monitor well (MW-5) and five borings are shown in Figure 1. The five boring locations where the grab water samples, GW-1 through GW-5, will be collected are the following: the former tank excavation, up and downgradient of proposed MW-5, upgradient of MW-1 and cross gradient of MW-2.

Monitoring well-5 will be constructed to the same specifications as the four previous monitoring wells. The five grab water samples will be collected in the following manner:

- Drill with hollow stem augers an 8-inch boring to 20 feet.
- Remove the augers and place a 2-inch diameter 15-foot length of well screen with blank casing inside the borehole. Wait several hours before removing three casing volumes with a peristaltic pump.
- Sample the well with a disposable bailer.
- Seal the borehole to surface by pumping cement grout through a tremie pipe.

Dr. Ravi Arulanantham
May 14, 1991
Page 3

The order in which the five boreholes will be drilled is GW-5, further from the source area (former tank excavation) first, followed by GW-4, GW-3, GW-2 and GW-1. Wherever a temporary well casing is used a second time, it will be thoroughly steam cleaned prior to reuse. If any petroleum product is observed in the well during sampling then that temporary well casing will not be used a second time.

Work completed at monitoring well-5 will follow the specifications for well installation, well development and sampling as defined in the "Work Plan for Phase 1 Investigation Target Store T-328 Dublin, California". All necessary permits will be obtained.

All soil and water generated during drilling and sampling will be contained, analyzed and disposed of properly. The above defined scope of work will be completed under an updated version of the original Health and Safety Plan for the Phase 1 investigation.

The additional site characterization work will begin one week after final approval has been given by the Alameda County Department of Environmental Health.

If you have any questions or comments please do not hesitate to call us.

Sincerely,

Campbell McLeod

Campbell McLeod
Senior Geologist

990-0244

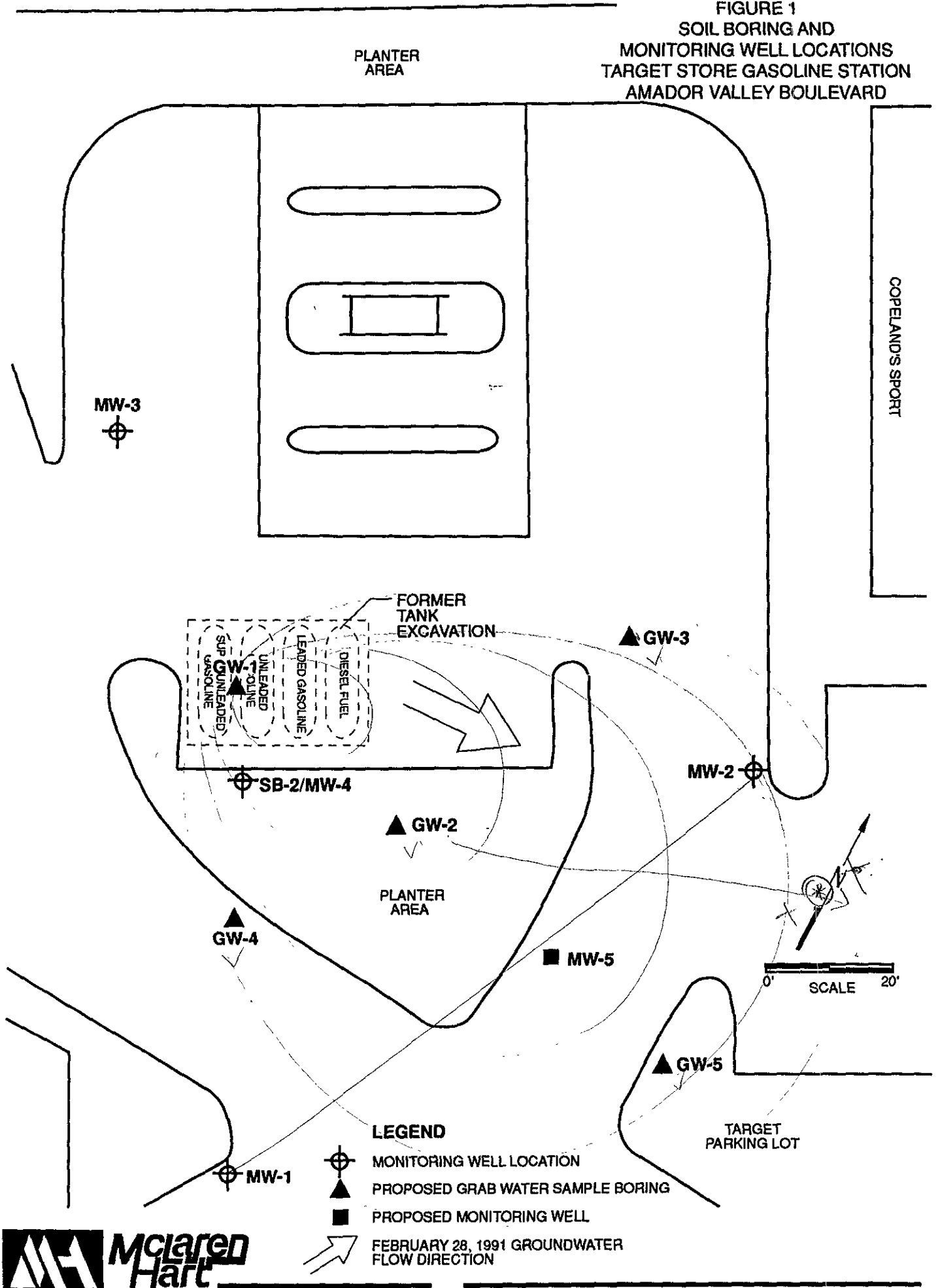
Clifton Davenport

Clifton Davenport, CEG #1455
Principal Hydrogeologist

0502CDJ1



**FIGURE 1
SOIL BORING AND
MONITORING WELL LOCATIONS
TARGET STORE GASOLINE STATION
AMADOR VALLEY BOULEVARD**



BSK & Associates, Geotechnical Consultants, Inc.

NOV 8 1990

McLAREN/HART

Geotechnical Engineering * Engineering Geology * Environmental Engineering * Engineering Laboratories * Chemical Laboratories

October 31, 1990

OUR JOB P90210

McLaren/Hart
1135 Atlantic Avenue
Alameda, California 94501

Attention: Mr. Martin Bermudez

SUBJECT: Geotechnical Consultation and
Compaction Spot Testing
Tank Excavation Backfill
Amador Valley Boulevard at Amador Plaza
Dublin, California

Gentlemen:

At your request and authorization, we have provided geotechnical consultation, compaction spot testing, and laboratory testing services for the subject project.

Our activities were requested by Mr. Martin Bermudez in response to the City of Dublin Public Works requirements.

The work by the contractor consisted of backfilling a tank excavation resulting from the removal of former underground storage tanks. The excavation was 10 feet deep with groundwater approximately 8 feet below surface. The work consisted of (a) removal of loose soils from the excavation; (b) pumping of approximately 15,000 gallon of water with some fuel contamination and trucking it away; (c) placing pea gravel 1 to 2 feet over the water table in the pit; (d) covering the pea gravel and excavation side walls with visqueen; (e) placing Class II aggregate base (engineered fill) in lifts to approximately 3-inches below adjacent pavement grade and compacting the lifts to 90% (ASTM D-1557). The excavated fuel piping trenches were also cleaned of loose soil and debris, and backfilled to grade with compacted baserock.

(1) Fresno, California 93706 • 1645 "F" Street, Suite 105 • Telephone (209) 485-3200, Fax (209) 485-7427
(2) Fresno, California • 1445 "F" Street • Telephone (209) 485-0100
(3) Fresno, California 93706 • 1404 Stanislaus Street • Telephone (209) 485-8110
(4) Visalia, California 93291 • 808 E. Douglas Avenue • Telephone (209) 732-8857, Fax (209) 732-6570
(5) Bakersfield, California 93304 • 117 "V" Street • Telephone (805) 327-0671, Fax (805) 324-4218
X Pleasanton, California 94566 • 5729 F. Sonoma Drive • Telephone (415) 462-4000, Fax (415) 462-6283
Sacramento, California 95829 • 9901 Horn Road, Suite C • Telephone (916) 363-1871, Fax (916) 363-1875

95 DEC 11 PM 1:50
ENVIRONMENTAL
PROTECTION
AGENCY

CL# 17485

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

EMERGENCY YES NO HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE.
SIGNED: Ravi Arulanantham DATE: 5/7/01

REPORT DATE: 09/26/01 CASE #

REPORTED BY: Martin Bermudez PHONE: (415) 748-5671 SIGNATURE: M. Bermudez
REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
COMPANY OR AGENCY NAME: TARGET STORES INC
ADDRESS: P.O. Box 1392

RESPONSIBLE PARTY: NAME: TARGET STORES INC UNKNOWN CONTACT PERSON: Phil Byers PHONE: (612) 335-5206
ADDRESS: P.O. Box 1392 CITY: MINNEAPOLIS STATE: MIN ZIP: 55444

SITE LOCATION: FACILITY NAME (IF APPLICABLE): TARGET STORE T-328 OPERATOR: Rizzo Boone PHONE: (415) 829-8900
ADDRESS: 7600 AMADOR VALLEY BLVD CITY: DUBLIN COUNTY: ALAMEDA ZIP: 94522
CROSS STREET: DONAHUE ST.

IMPLEMENTING AGENCIES: LOCAL AGENCY: ALAMEDA COUNTY HEALTH DEPT AGENCY NAME: ALAMEDA COUNTY HEALTH DEPT CONTACT PERSON: RAVI ARULANANTHAM PHONE: (415) 271-4320
REGIONAL BOARD: SAN FRANCISCO BAY REGION CONTACT PERSON: LESTER FELDMAN PHONE: (415) 464-1235

SUBSTANCES INVOLVED: (1) NAME: UNLEADED GASOLINE QUANTITY LOST (GALLONS): UNKNOWN
(2)

DISCOVER/ABATEMENT: DATE DISCOVERED: 09/25/01 HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING TANK TEST TANK REMOVAL NUISANCE CONDITIONS OTHER
DATE DISCHARGE BEGAN: UNKNOWN METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): REMOVE CONTENTS REPLACE TANK CLOSE TANK
HAS DISCHARGE BEEN STOPPED? YES NO IF YES, DATE: 09/25/01 REPAIR TANK REPAIR PIPING CHANGE PROCEDURE OTHER

SOURCE/CAUSE: SOURCE OF DISCHARGE: TANK LEAK UNKNOWN PIPING LEAK OTHER CAUSE(S): OVERFILL RUPTURE/FAILURE SPILL CORROSION UNKNOWN OTHER

CASE TYPE: CHECK ONE ONLY UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS REMEDIATION PLAN CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) EXCAVATE & DISPOSE (ED) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IT) CAP SITE (CD) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS) CONTAINMENT BARRIER (CB) NO ACTION REQUIRED (NA) TREATMENT AT HOOKUP (HU) VENT SOIL (VS) VACUUM EXTRACT (VE) OTHER (OT)

COMMENTS: Note suspected in one tank, free tanks removed, no total. Obvious groundwater contamination present.

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name TARGET auto Today's Date 9/26/90

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Sids 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 7600 Amador Valley Blvd.

City Dublin Zip 94568 Phone _____

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. Offsite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) _____
- ___ 19. Trade Secret Requested? 25538

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

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

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

III. UNDERGROUND TANKS (Title 23)

- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/gndwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

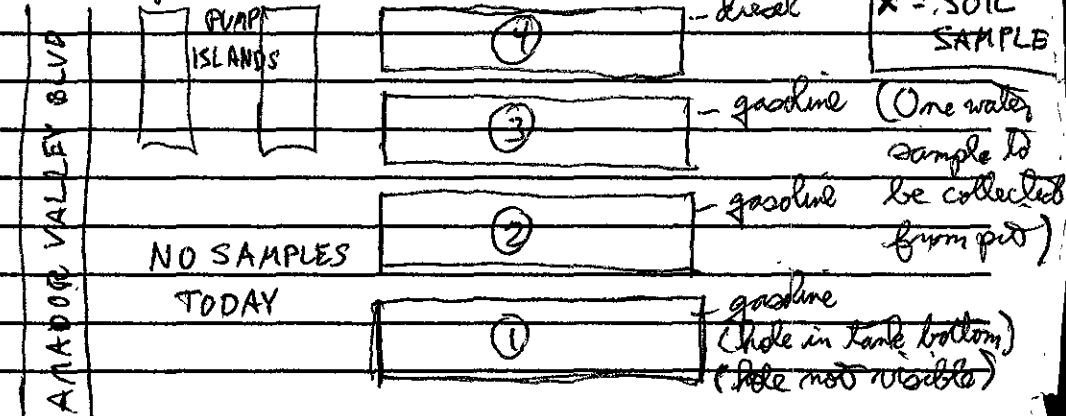
- ___ 7. Precs Tank Test 2643
 - Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing . 2646
- ___ 10. Ground Water. 2647

- New Tanks
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit 2711
 - Date: _____
 - ___ 14. As Built 2635
 - Date: _____

Rev 6/88

Comments:

Day 2 of removal of 4 underground tanks and associated piping from former gas station. Tanks are all 12,000+ gallon, with 3 formerly containing gasoline and 1 diesel. Contractor has had continuing difficulty getting the atmospheres in the tanks safe for removal.



Groundwater in pit heavily contaminated with petroleum, including tar/wax dissolved by spilled gasoline/diesel. Bottoms of tanks are difficult to see because of tar/wax. * Soil samples will be collected tomorrow. 2 of 4 tanks removed when I left site.

II, III

Contact: MARTIN BERNIERE

Title: _____
Signature: [Signature]

Inspector: _____
Signature: Gilbert M. Wooten

Certificate of Insurance

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON YOU THE CERTIFICATE HOLDER. THIS CERTIFICATE IS NOT AN INSURANCE POLICY AND DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW

This is to Certify that

900911-3



**MC LAREN ENVIRONMENTAL ENGINEERING, INC.
11101 WHITE ROCK ROAD
RANCHO CORDOVA, CA 95670**

Name and address of Insured.

is, at the issue date of this certificate, insured by the Company under the policy(ies) listed below. The insurance afforded by the listed policy(ies) is subject to all their terms, exclusions and conditions and is not altered by any requirement, term or condition of any contract or other document with respect to which this certificate may be issued.

TYPE OF POLICY		CERT. EXP. DATE*	POLICY NUMBER	LIMIT OF LIABILITY	
WORKERS' COMPENSATION		<input checked="" type="checkbox"/> CONTINUOUS <input type="checkbox"/> EXTENDED <input type="checkbox"/> POLICY TERM	WC2-611-004145-01 WC1-611-004145-02 WC2-611-004145-03	COVERAGE AFFORDED UNDER W.C. LAW OF THE FOLLOWING STATES: ALL STATES EXCEPT MONOPOLISTIC STATE FUND STATES AND MAINE.	
				EMPLOYER'S LIABILITY Bodily Injury By Accident \$1,000,000 Ea. Acc.	
				Bodily Injury By Disease \$1,000,000 Pol. Limit Bodily Injury By Disease \$1,000,000 Ea. Person	
COMMERCIAL GENERAL LIABILITY	<input type="checkbox"/> CLAIMS MADE RETRO DATE <input checked="" type="checkbox"/> OCCURRENCE		RG1-611-004145-52	General Aggregate-Other Products/Completed Operations \$2,000,000 Including products and completed operations	
				Products/Completed Operations Aggregate Included in General Aggregate	
				Bodily Injury and Property Damage Liability \$1,000,000 per occurrence	
				Personal and Advertising Injury per person/organization	
SPECIAL/EXCL. ENDORSEMENTS				Other	
AUTO LIABILITY	<input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED		AS1-611-004145-05 AS1-611-004145-06	\$ 1,000,000 EACH ACCIDENT-SINGLE LIMIT-B.I. AND P.D. COMBINED	
				\$ EACH PERSON \$ EACH ACCIDENT \$ OR OCCURRENCE	\$ EACH ACCIDENT \$ OR OCCURRENCE
OTHER	*WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY IS EXCLUDED FOR THE STATE OF MAINE.				
LOCATION(S) OF OPERATIONS & JOB # (If Applicable)			DESCRIPTION OF OPERATIONS:		
Target Store-7200 amador Valley Blvd, Dublin, Ca			Underground Tank Removal		

*If the certificate expiration date is continuous or extended term, you will be notified if coverage is terminated or reduced before the certificate expiration date. However, you will not be notified annually of the continuation of coverage.

NOTICE OF CANCELLATION: THE COMPANY WILL NOT TERMINATE OR REDUCE THE INSURANCE AFFORDED UNDER THE ABOVE POLICIES UNLESS 30 DAYS NOTICE OF SUCH TERMINATION OR REDUCTION HAS BEEN MAILED TO:

Liberty Mutual Insurance Group

CERTIFICATE HOLDER →

Alameda County Health Department
80 Swan Way Room 200
Oakland, Ca 94621

Attn: Ravi Arulanathan

Raura K Anderson
AUTHORIZED REPRESENTATIVE

9-11-90

DATE ISSUED

WESTON, MA 02193

OFFICE

Target Stores
33 South Sixth Street
P.O. Box 1392
Minneapolis, Minnesota 55440-1392
Telex No. 205812

- Linda Terry
- Martin Bermudez

July 24, 1990

Mr. Gilbert M. Wistar
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94621

Re: Target Store T-328, Dublin
7200 Armador Valley Boulevard
Dublin, California

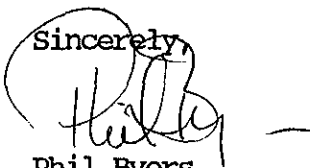
Dear Mr. Wistar:

Please be informed that Target Stores has contracted with an environmental consultant, McLaren, to properly remove the referenced underground storage tanks in your most recent letter dated July 12, 1990. I will forward your letter along with the attached forms, to our representative, Ms. Jenni Carter of McLaren, for her review and response to you.

All communications relative to the reporting of activities will come from Ms. Carter. If necessary you can contact her at 1135 Atlantic Avenue, Alameda, California 94501, telephone number (415) 521-5200.

If you have any questions regarding this matter, please contact me at (612) 335-5200.

Sincerely,


Phil Byers
Property Manager

/sy0684

cc: Ms. Barbara Erickson, CC-20C
Mr. Gene Link, CC-07M

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name TARGET STORES, INC.
Business Owner TARGET STORES, INC.
2. Site Address 7200 AMADOR VALLEY BOULEVARD
City DUBLIN Zip 94566 Phone (415) 829-8900
3. Mailing Address 33 SOUTH SIXTH STREET
City MINNEAPOLIS, MN Zip 55440 Phone (415) 829-8900
4. Land Owner TARGET STORES, INC.
Address P. O. BOX 1392 City, State MINNEAPOLIS, MN Zip 55440
5. EPA I.D. No. _____
6. Contractor DECON ENVIRONMENTAL SERVICES
Address 26102 EDEN LANDING ROAD, SUITE #4
City HAYWARD, CALIFORNIA 94545 Phone (415) 732-6444
License Type A ID# 545726
7. Consultant McLAREN/HART
Address 1135 ATLANTIC AVENUE, ALAMEDA, CALIFORNIA 94501
City ALAMEDA Phone (415) 521-5200

8. Contact Person for Investigation

Name MARTIN BERMUDEZ Title ENVIRONMENTAL SPECIALIST

Phone (415) 748-5649

9. Total No. of Tanks at facility 4 ✓

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name REFINERY SERVICES EPA I.D. No. CAD083166728 ✓

Address P.O. BOX 1171

City PATTERSON State CA Zip 95363

b) Rinsate Transporter

Name REFINERY SERVICES EPA I.D. No. CAD083166728 ✓

Address P.O. BOX 1171

City PATTERSON State CA Zip 95363

c) Tank Transporter

Name ERICKSON INC. EPA I.D. No. CAD009466392 ✓

Address 255 PARR BOULEVARD

City RICHMOND State CA Zip 94801

d) Tank Disposal Site

Name ERICKSON, INC. EPA I.D. No. CAD009466392 ✓

Address 255 PARR BOULEVARD

City RICHMOND State CA Zip 94801

e) Contaminated Soil Transporter

Name DECON ENVIRONMENTAL SERVICES EPA I.D. No. CAD982468183 ✓

Address 26102 EDEN LANDING ROAD, SUITE #4

City HAYWARD State CA Zip 94545

12. Sample Collector

Name MARTIN BERMUDEZ
 Company McLAREN/HART
 Address 1135 ATLANTIC AVENUE
 City ALAMEDA State CA Zip 94501 Phone (415) 748-5649

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
#1 10,000 gallon	Diesel ✓	Soil / <i>water</i>	Within first two feet of native soil under end of tanks (see attached closure plan)
#2 10,000 gallon	Leaded gasoline ✓	"	
#3 10,000 gallon	Unleaded gasoline ✓	"	
#4 10,000 gallon	Unleaded gasoline ✓	"	

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

If yes, describe. _____

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

If yes, describe. 200 pounds of dry ice will be added to tank prior to removal (See attached closure plan)

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

16. Laboratories

Name McLAREN/HART ANALYTICAL LABORATORIES
 Address 1135 ATLANTIC AVENUE
 City ALAMEDA State CA Zip 94501
 State Certification No. _____ No. 164

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Diesel Hydrocarbons	L.U.F.T. Manual	L.U.F.T. Manual
Gasoline Hydrocarbons	L.U.F.T. Manual	L.U.F.T. Manual
Benzene, Toluene, Xylene & Ethylbenzenes	E.P.A. 8020/5030 & E.P.A. 602	E.P.A. 8020/5030 & E.P.A. 602

- total lead

Total Lead (AA) may be TE Lead (EPA) depending on levels of Ethyl Pb

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer LIBERTY MUTUAL

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

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

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

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

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

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

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

Signature of Contractor

Name (please type) MARTIN BERMUDEZ
Signature *M. Bermudez*
Date 9/10/90

Signature of Site Owner or Operator

Name (please type) PHIL BYERS
Signature *Martin Bermudez for*
Date 9/10/90

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

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

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

Any change or alteration of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

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

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Rain
9/17/90.

**UNDERGROUND FUEL TANK
CLOSURE PLAN FOR
TARGET STORE T-328
LOCATED IN DUBLIN, CALIFORNIA**

**Prepared for:
Target Stores, Inc.
7200 Amador Valley Blvd.
Dublin, California 94566**

**Prepared by:
McLaren/Hart
1135 Atlantic Avenue
Alameda, California 94501**

**September 10, 1990
Job #38903**





September 10, 1990

Ravi Arulanatham
Alameda County Health Department
Division of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Dear Mr. Arulanatham:

**CLOSURE PLAN FOR THE TARGET STORES UNDERGROUND TANK FACILITY LOCATED
IN DUBLIN, CALIFORNIA**

McLaren/Hart has been retained by Target Stores to conduct and supervise the removal of two unleaded, one leaded and one diesel underground fuel tank at a retail service station located 7200 Amador Valley Boulevard in Dublin, California. These tanks are estimated to each have a capacity of approximately 10,000 gallons. A sketch of the location of the tanks and their piping in relationship to other site features is provided in Figure 1. A completed Alameda County Underground Tank Closure Form is included as Attachment A.

DECON Environmental Services, Inc. has been retained to perform the excavation and removal of the underground tanks and their associated piping in addition to the demolition of the pump islands and overhangs at the site and the excavated soils will be stockpiled on-site and covered with visqueen until laboratory analyses have been performed on the soil to determine its condition. Residual liquids encountered in the tanks and piping will be removed prior to tank removal and transported for recycling or disposal by Refinery Services of Patterson, California. After the removal of all residual liquids, the tanks will be inerted by adding 20 pounds of dry ice per 1000 gallons of tank capacity, no more than four hours prior to the scheduled removal of the tanks.

Before the underground tanks are removed from the excavation the atmosphere of the tanks will be tested using a GasTech Model 1214 combustible gas/oxygen meter. If the concentration of oxygen in the tank atmosphere is found to be 7% or less or if the concentration of flammable gases has been reduced to below 10% of the lower explosive limit, the tanks will be removed from the excavation. If these concentrations are not obtained, the tanks will be rinsed and additional dry ice will be placed in the tank.

Soil and Groundwater Sampling

After the tanks have been removed and carefully inspected for signs of corrosion and perforations, soils samples will be taken from within the first two feet of native soil. Two soil samples will be taken from underneath each end of the underground tanks. If the tanks are found to exceed 10,000 gallons in capacity, a third sample will be taken from underneath the center of the tanks. In the event that groundwater is present in the excavation, soil samples will be taken from the soil/groundwater interface at the sidewall of the excavation at each end of the tanks. In addition, one soil sample will be taken for every twenty lineal feet of product piping located on-site. Pipeline soil samples will be taken from within the two feet of the native soil underneath the piping. Groundwater will be sampled if it is present in the tank excavation. These groundwater samples will be taken from the excavation after groundwater has been purged from the pit and allowed to recharge, in order to collect a water sample that is most representative of groundwater conditions at the site.

Soil samples will be collected using laboratory-prepared brass sampling tubes. Following sampling, each end of the brass tube will be covered with aluminum foil and then capped with a polyethylene lid, taped, and labeled. Water samples will be taken with pre-cleaned laboratory volatile organic analysis bottles. Water samples for diesel analysis will be collected in two one-liter precleaned bottles. The samples will be labeled and placed inside plastic bags, then stored in a cooler packed with ice. Chain-of-custody documentation will be completed for courier transport of samples to a state certified laboratory for analysis. We propose to utilize the McLaren/Hart Analytical Laboratory located in Rancho Cordova, California. Laboratory turnaround time of one week will be requested.

All soil samples will be analyzed for benzene, toluene, ethylbenzene, and xylenes using EPA Method 8020. Soil samples taken from underneath the gasoline tanks will be analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH/G) by DHS Leaking Underground Fuel Tank (LUFT) methods. Soil samples taken from underneath the diesel tank will be analyzed for Total Petroleum Hydrocarbons as Diesel (TPH/D) using LUFT methods. Water samples will be analyzed for TPH/G and TPH/D by LUFT methods and for benzene, toluene, xylene, and ethylbenzene using EPA Method 602.



Ravi Arulanatham
September 10, 1990
Page 3

Tank and Soil Disposal


The tanks will be transported under manifest by Erickson, Inc. to their tank cleaning and treatment facility located in Richmond, California. All tank fittings will be sealed prior to transportation with the exception of a 1/8" relief vent.

Contaminated soils encountered on-site will be stockpiled on the eastern edge of the site and covered with visqueen. A composite soil sample will be taken of the excavated soil in order to determine appropriate disposal methods.

The excavation will be backfilled to grade with clean excavated soils and/or clean import fill if the existing backfill is found to be contaminated.

Please feel free to call me at (415) 748-5649 if you need any additional information regarding this underground storage tank removal.

Sincerely,


Martin Bermudez
Environmental Specialist I

091090MAB1



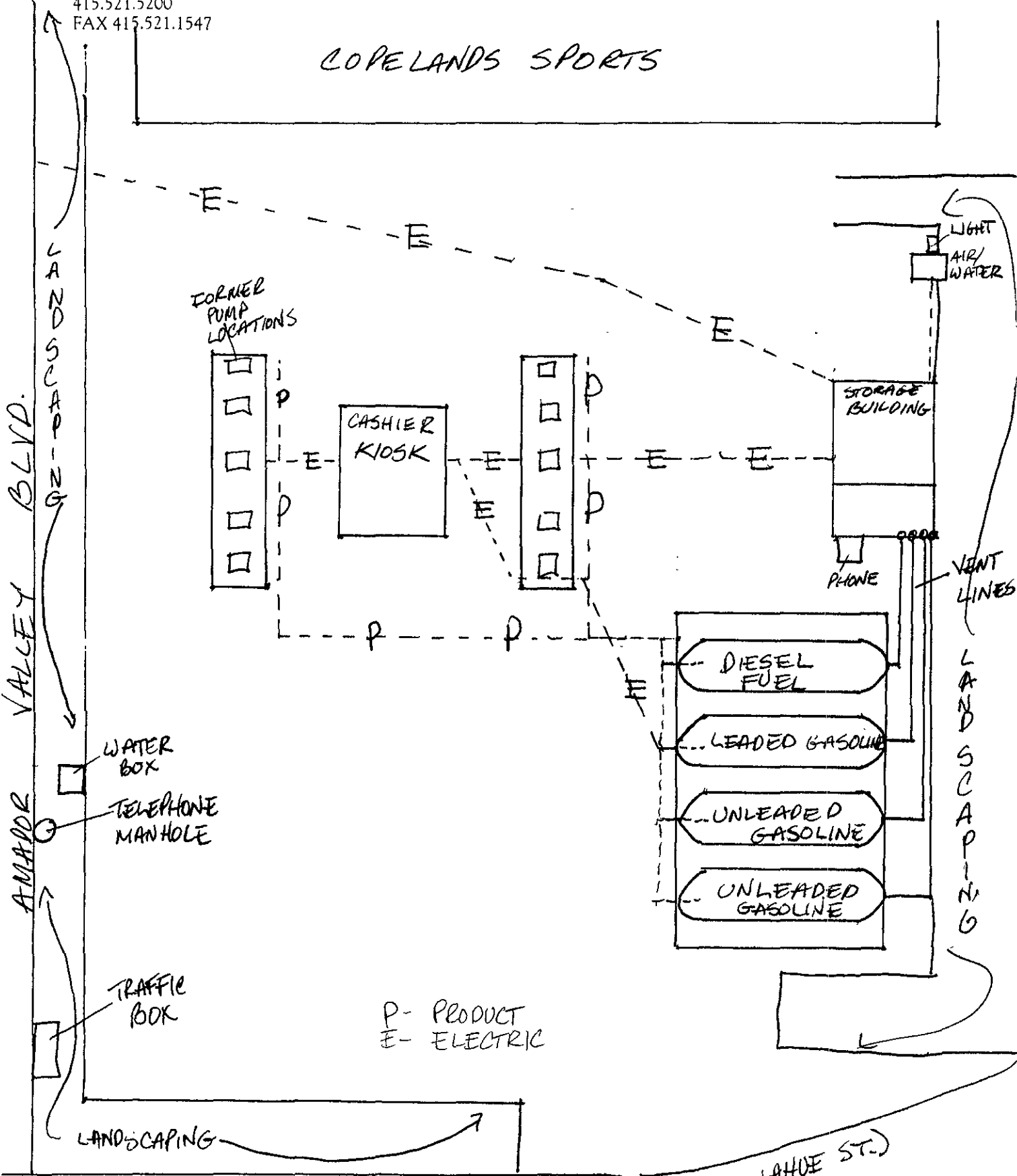


1135 Atlantic Avenue
Alameda, CA 94501
415.521.5200
FAX 415.521.1547

Subject: TARGET STORE SITE PLAN
7200 AMADOR VALLEY BLVD.
By: MARTIN Date: 9/7/90 Sheet: _____
BERMUDEZ



COPELANDS SPORTS



P- PRODUCT
E- ELECTRIC

DRIVEWAY TO TARGET STORE (DONAHUE ST.)

ATTACHMENT A

UNDERGROUND TANK CLOSURE FORM

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project # 577041
Fee Paid \$933.00
Date 9/13/90

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name TARGET STORES, INC.
Business Owner TARGET STORES, INC.
2. Site Address 7200 AMADOR VALLEY BOULEVARD
City DUBLIN Zip 94566 Phone (415) 829-8900
3. Mailing Address 33 SOUTH SIXTH STREET
City MINNEAPOLIS, MN Zip 55440 Phone (415) 829-8900
4. Land Owner TARGET STORES, INC.
Address P. O. BOX 1392 City, State MINNEAPOLIS, MN Zip 55440
5. EPA I.D. No. _____
6. Contractor DECON ENVIRONMENTAL SERVICES
Address 26102 EDEN LANDING ROAD, SUITE #4
City HAYWARD, CALIFORNIA 94545 Phone (415) 732-6444
License Type A ID# 545726
7. Consultant McLAREN/HART
Address 1135 ATLANTIC AVENUE, ALAMEDA, CALIFORNIA 94501
City ALAMEDA Phone (415) 521-5200

8. Contact Person for Investigation

Name MARTIN BERMUDEZ Title ENVIRONMENTAL SPECIALIST
Phone (415) 748-5649

9. Total No. of Tanks at facility 4

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name REFINERY SERVICES EPA I.D. No. CAD083166728
Address P.O. BOX 1171
City PATTERSON State CA Zip 95363

b) Rinsate Transporter

Name REFINERY SERVICES EPA I.D. No. CAD083166728
Address P.O. BOX 1171
City PATTERSON State CA Zip 95363

~~c) Tank Transporter~~

Name ERICKSON INC. EPA I.D. No. CAD009466392
Address 255 PARR BOULEVARD
City RICHMOND State CA Zip 94801

d) Tank Disposal Site

Name ERICKSON, INC. EPA I.D. No. CAD009466392
Address 255 PARR BOULEVARD
City RICHMOND State CA Zip 94801

e) Contaminated Soil Transporter

Name DECON ENVIRONMENTAL SERVICES EPA I.D. No. CAD982468183
Address 26102 EDEN LANDING ROAD, SUITE #4
City HAYWARD State CA Zip 94545

*Jack Parker Trucking
106496*

12. Sample Collector

Name MARTIN BERMUDEZ
 Company McLAREN/HART
 Address 1135 ATLANTIC AVENUE
 City ALAMEDA State CA Zip 94501 Phone (415) 748-5649

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
#1 10,000 gallon	Diesel	Soil	Within first two feet of native soil under end of tanks (see attached closure plan)
#2 10,000 gallon	Leaded gasoline	"	
#3 10,000 gallon	Unleaded gasoline	"	
#4 10,000 gallon	Unleaded gasoline	"	

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

If yes, describe. _____

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

If yes, describe. 200 pounds of dry ice will be added to tank prior to removal (See attached closure plan)

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

16. Laboratories

Name McLAREN/HART ANALYTICAL LABORATORIES
 Address 1135 ATLANTIC AVENUE
 City ALAMEDA State CA Zip 94501
 State Certification No. _____ No. 164

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Diesel Hydrocarbons	L.U.F.T. Manual	L.U.F.T. Manual
Gasoline Hydrocarbons	L.U.F.T. Manual	L.U.F.T. Manual
Benzene, Toluene, Xylene & Ethylbenzenes	E.P.A. 8020/5030 & E.P.A. 602	E.P.A. 8020/5030 & E.P.A. 602

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [x] No []

Copy of Certificate enclosed? Yes [] No

Name of Insurer LIBERTY MUTUAL

20. Plot Plan submitted? Yes [X] No []

21. Deposit enclosed? Yes [xx] No []

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

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

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

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

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

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

Signature of Contractor

Name (please type) MARTIN BERMUDEZ

Signature *M. Bermudez*

Date 9/10/90

Signature of Site Owner or Operator

Name (please type) PHIL BYERS

Signature *Martin Bermudez for*

Date 9/10/90