



3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

January 2, 2002

JAN 08 2002

Ms. Eva Chu
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: *Interim Corrective Action*
Former Chevron Service Station #9-1153
3126 Fernside Boulevard, Alameda, California

Dear Ms. Chu,

Delta Environmental Consultants, Inc. (Delta), has been authorized by Chevron Products Company (Chevron) to perform interim corrective action (ICA) at the above referenced site. This activity was conducted as part of the implementation of Delta's *Workplan for Interim Corrective Action at Former Chevron Service Station #9-1153*, dated June 25, 2001. Alameda County Health Care Services (ACHCS) approved the workplan in an email dated July 9, 2001 (attached). The objectives of Interim Corrective Action (ICA) are to remove and mobilize separate phase hydrocarbons (SPH) and to extract impacted groundwater and vapor phase hydrocarbons from well C-1. The location of the site and surrounding properties are shown on Figure 2.

On December 18, 2001, a Delta representative was onsite to oversee the extraction of SPH from well C-1. Integrated Wastestream Management, Inc. (IWM) was contracted by Delta to perform the extraction activities. Prior to extraction activities, C-1 was measured for SPH thickness. SPH was not present in well C-1. Depth-to-water (DTW) was also measured in wells C-1, C-3, MW-4 through MW-8. The DTW ranged between 1.79 to 2.93 feet below top-of-casing (TOC). During extraction activities, approximately 450 gallons of hydrocarbon-impacted groundwater were extracted. Extracted vapor phase hydrocarbons were treated through one 250-pound (lb) granulated activated charcoal (GAC) canister and discharged to the atmosphere. The SPH thickness and DTW measurements are presented in Table 1.

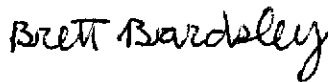
Extracted groundwater was transported as non-hazardous waste to McKittrick Waste Treatment in McKittrick, California for disposal. The GAC canister will be transported by IWM and disposed of at US Filter in Los Angeles, California. A copy of the Certificate of Disposal is attached.

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Delta will schedule another extraction event during January of 2002. Prior to next scheduled event, Delta will notify ACHCS and the property owner 48 hours in advance. If you have questions or comments regarding this letter, please contact Todd Del Frate at (916) 536-2612.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



Brett A. Bardsley
Staff Geologist



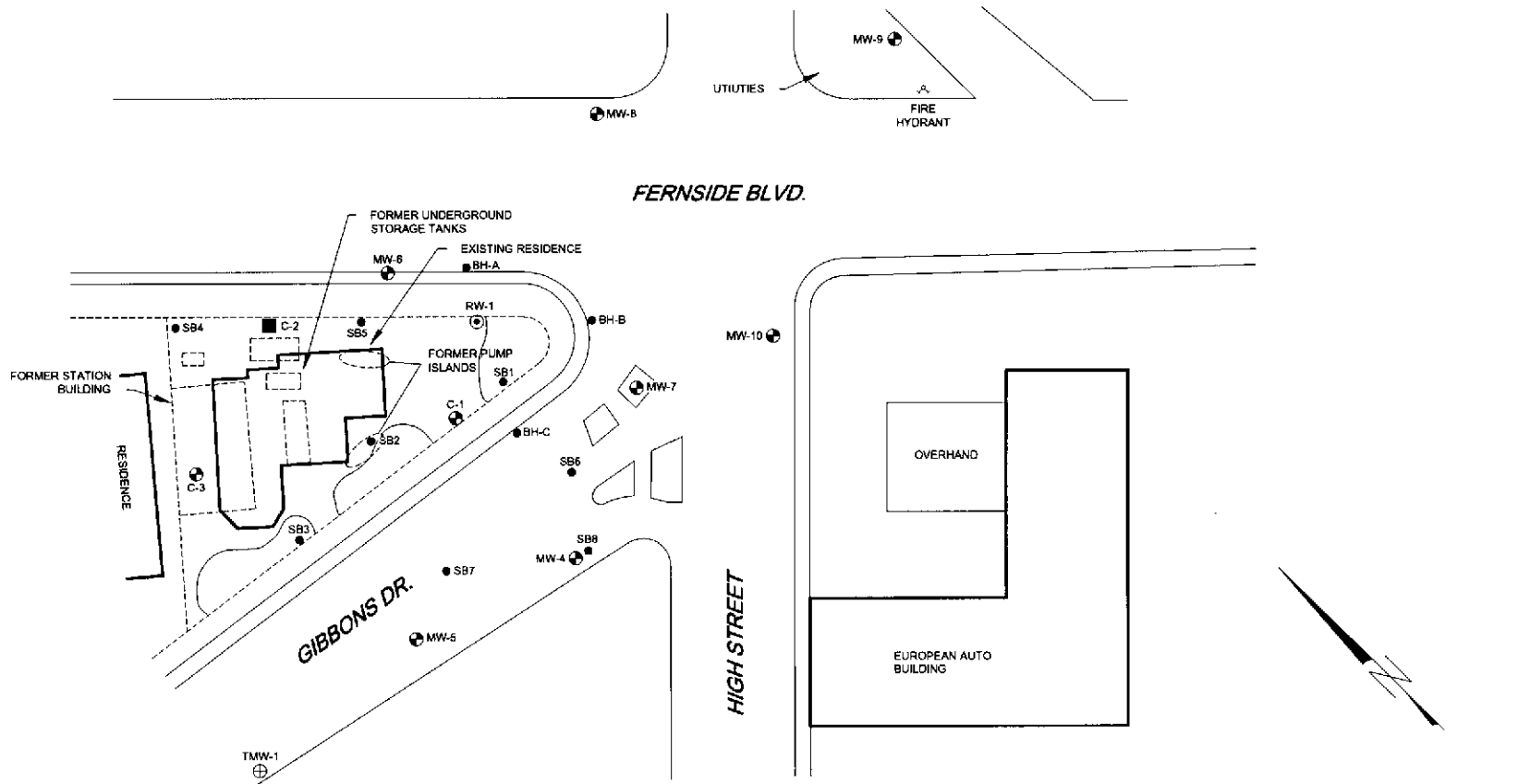
Todd Del Frate
Project Manager

BAB (Lrp007,9-1153.doc)

Attachments:

Figure 2
Table 1
Alameda County Health Care Services Email Dated July 9, 2001
Certificate of Disposal

cc: Tom Bauhs – Chevron Product Company
Mr. Mark Hom, 3135 Gibbons Boulevard, Alameda, California



LEGEND:

- ⊕ MW-4 MONITORING WELL LOCATION
- ⊙ RW-1 EXTRACTION WELL LOCATION
- C-2 ABANDONED WELL LOCATION
- ⊕ TMW-1 TEMPORARY MONITORING WELL LOCATION
- SB1 SOIL BORING LOCATION

FIGURE 2
SITE MAP

CHEVRON SERVICE STATION NO. 9-1153
3126 FERNSIDE BOULEVARD
ALAMEDA, CA.

PROJECT NO. DG91-153	DRAWN BY M.L. 6/21/01
FILE NO. 9-1153 Site	PREPARED BY TAD
REVISION NO. 1	REVIEWED BY



TABLE 2

GROUNDWATER MONITORING RESULTS

Chevron Station 9-1153
3126 Farnside Boulevard
Alameda, California

Well ID	Date Measured	SPH (ft)	DTW/(T ₀) (ft)	DTW/(T ₁) (ft)	DTW/(T ₂) (ft)	DTW/(T ₃) (ft)	DTW/(T ₄) (ft)	DTW/(T ₅) (ft)	DTW/(T ₆) (ft)	DTW/(T ₇) (ft)	DTW/(T ₈) (ft)
C-1	8/16/2001 ¹	1.75	4.38/(0904)	6.15/(1440)	5.8/(1445)	5.44/(1450)	5.23/(1455)	5.05/(1500)	4.92/(1505)	4.72/(1510)	----
	10/02/01	0.07	----	----	----	----	----	----	----	----	----
	11/15/01	0.00	3.92/(0912)	----	----	----	----	----	----	----	----
	12/18/01	0.00	1.79/(0842)	----	----	----	----	----	----	----	----
C-3	08/16/01	----	5.38/(0909)	4.81/(1425)	----	----	----	----	----	----	----
	10/02/01	----	4.61/(0858)	4.83/(1130)	5.01/(1212)	5.12/(1300)	5.74/(1425)	----	----	----	----
	11/15/01	----	4.10/(0929)	4.45/(1112)	4.68/(1214)	4.75/(1313)	4.80/(1348)	----	----	----	----
	12/18/01	----	2.00/(0850)	2.43/1107	2.55/(1206)	2.56/(1303)	2.59/(1402)	----	----	----	----
MW-4	08/16/01	----	3.61/(0846)	3.83/(1410)	----	----	----	----	----	----	----
	10/02/01	----	3.91/(0912)	4.02/(1124)	4.08/(1205)	4.24/(1307)	4.47/(1432)	----	----	----	----
	11/15/01	----	3.25/(0945)	3.35/(1100)	3.40/(1205)	3.44/(1259)	3.42/(1356)	----	----	----	----
	12/18/01	----	2.12/(0855)	1.64/(1104)	1.65/(1213)	1.72/(1309)	1.68/(1353)	----	----	----	----
MW-5	08/16/01	----	3.4/(0848)	3.5/(1415)	----	----	----	----	----	----	----
	10/02/01	----	3.76/(0915)	3.89/(1120)	3.85/(1203)	3.92/(1308)	4.14/(1434)	----	----	----	----
	11/15/01	----	3.06/(0950)	3.16/(1101)	3.21/(1206)	3.24/(1300)	Inaccessible	----	----	----	----
	12/18/01	----	Inaccessible								
MW-6	08/16/01	----	5.27/(0854)	4.43/(1030)	4.61/(1100)	4.70/(1130)	4.76/(1200)	4.80/(1230)	4.90/(1300)	4.92/(1330)	4.94/(1400)
	10/02/01	----	5.99/(0900)	4.96/(1127)	5.36/(1210)	5.53/(1303)	6.66/(1427)	----	----	----	----
	11/15/01	----	5.78/(0917)	4.90/(1105)	5.06/(1209)	5.15/(1303)	5.23/(1351)	----	----	----	----
	12/18/01	----	2.43/(0925)	3.04/(1109)	3.15/(1208)	3.22/(1305)	3.28/(1351)	----	----	----	----
MW-7	08/16/01	----	5.19/(0843)	4.68/(1030)	4.71/(1100)	4.79/(1130)	4.8/(1200)	4.84/(1230)	4.90/(1300)	4.88/(1330)	4.85/(1400)
	10/02/01	----	5.41/(0910)	4.96/(1125)	5.11/(1207)	5.27/(1310)	5.81/(1436)	----	----	----	----
	11/15/01	----	4.38/(0936)	4.62/(1103)	4.71/(1207)	4.75/(1301)	4.85/(1354)	----	----	----	----
	12/18/01	----	2.93/(0920)	3.28/(1108)	3.34/(1211)	3.38/(1307)	3.38/(1354)	----	----	----	----

TABLE 2

GROUNDWATER MONITORING RESULTS

Chevron Station 9-1153
3126 Ferside Boulevard
Alameda, California

Well ID	Date Measured	SPH (ft)	DTW/(T ₀) (ft)	DTW/(T ₁) (ft)	DTW/(T ₂) (ft)	DTW/(T ₃) (ft)	DTW/(T ₄) (ft)	DTW/(T ₅) (ft)	DTW/(T ₆) (ft)	DTW/(T ₇) (ft)	DTW/(T ₈) (ft)
MW-8	08/16/01	----	3.00/(0816)	4.30/(1420)	----	----	----	----	----	----	----
	10/02/01	----	4.57/(0903)	4.56/(1126)	4.54/(1208)	4.54/(1305)	4.56/(1430)	----	----	----	----
	11/15/01	----	4.10/(0945)	4.10/(1108)	4.10/(1211)	4.10/(1310)	4.10/(1353)	----	----	----	----
	12/18/01	----	2.10/(0930)	2.16/(1111)	2.16/(1210)	2.16/(1306)	2.16/(1359)	----	----	----	----
MW-9	08/16/01	Unable to Locate									
	10/02/01	Unable to Locate									
	11/15/01	Unable to Locate									
	12/18/01	Unable to Locate									
MW-10	08/16/01	Inaccessible									
	10/02/01	Inaccessible									
	11/15/01	Inaccessible									
	12/18/01	Inaccessible									

Note: This table represents DTW measurements recorded during extraction activities to evaluate vacuum influence on outlying wells

SPH = separate phase hydrocarbons

DTW = depth to water

¹DTW measurements recorded every 5 minutes for 30 minutes after extraction activities to evaluate groundwater recharge

(T₀) = initial DTW measurement

---- = not applicable/not measured

R00000341

July 9, 2001

Mr. Tom Bauhs
Chevron Products
P.O. Box 6004
San Ramon, CA 94583

RE: Work Plan Approval for 3126 Fernside Blvd, Alameda, CA

Dear Mr. Bauhs:

I have completed review of Delta Environmental Consultants, Inc's June 2001 *Letter Workplan for Interim Corrective Action* prepared for the above referenced site. The proposal to conduct interim corrective action at the site is acceptable. Both liquid and vapor phase hydrocarbons will be extracted from well C-1 using a vacuum truck. A minimum of five extraction events (at a maximum of four hours each event) are proposed for the year 2001.

Interim corrective action should be implement as soon as possible. Please provide 72 hours advance notice of each extraction event.

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

eva chu
Hazardous Materials Specialist

c: Mr. and Mrs. Thompson, 3126 Fernside Blvd, Alameda, CA 94501

email: Todd Del Frate
Jim Brownell



INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name: Chevron Products Company
Address: 6001 Bollinger Canyon Road
San Ramon, CA 94583
Contact: Bob Cochran
Phone: 925-842-9500

Facility Name: Chevron #9-1153
Address: 3126 Fernside Road
Alameda, CA
Facility Contact: Brett Bardsley
Phone: 916-638-8385

IWM Job #:	<u>91843-BW</u>
Description of Waste:	<u>450 Gallon(s) of</u> <u>Non-Hazardous</u> <u>Water</u>
Removal Date:	<u>12-15-01</u>
Ticket #:	<u>MCK151201-CH</u>

Transporter Information

Name: IWM, Inc.
Address: 950 Ames Avenue
Milpitas, CA 95035
Phone: (408) 942-8955

Disposal Facility Information

Name: McKittrick Waste Treatment
Address: 56533 Hwy 58 W
McKittrick, CA 92351
Phone: (661) 762-7366

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon *William T. DeLon*
Authorized Representative (Print Name and Signature)

12-15-01
Date