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FACSIMILE TRANSMITTAL	
TO	Jennifer Eberle
ATTENTION	ACDEH
FROM	Dan Schoenholz
DATE & TIME	
FAX NUMBER	337-9335
NO. OF PAGES	7

- Hard copy to follow, will include 11x17 site plan.
- Call me if you have any questions.

Dan

PORT OF OAKLAND
 ENVIRONMENTAL
 DEPARTMENT
 530 WATER STREET,
 5TH FLOOR
 OAKLAND, CA 94607
 FAX (510) 465-3755
 PHONE (510) 272-1174



PORT OF OAKLAND



PORT OF OAKLAND

December 27, 1994

Jennifer Eberle
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Dear Ms. Eberle:

SUBJECT: FREE PRODUCT REMOVAL AT 2277 7TH ST (Port Contract # 93394)

The purposes of this letter are:

- 1) to update you on the Port of Oakland's free product removal efforts at 2277 7th St., and to request your concurrence with our plan for future action; and
- 2) to provide you with updated information with respect to groundwater flow direction at the project site.

FREE PRODUCT REMOVAL

As you know, the Port has been removing free product from MW-2 and MW-3 at 2277 7th St. since June 30, 1994. Initially, product removal was performed on a weekly basis by bailing. After eight weeks, product thickness in MW-3 was not significantly reduced.

At that time, the Port proposed in a letter dated August 24, 1994, to use a mechanical pump to remove product more efficiently. You concurred via letter dated August 30, 1994. The Port commenced free product removal using a mechanical pump on September 23, 1994, and has performed seven additional pumping episodes. As of December 8, 1994, the Port had removed a total of 1180 gallons of diesel from MW-3 and product thickness remained at 5.63 feet. We have enclosed a table documenting free product removal efforts to date.

Because manual pumping does not appear to be an effective solution for reducing the quantity of free product at this site, the Port proposes to evaluate a more comprehensive, automatic system. We are also exploring the possibility of working cooperatively with Dongary Investments in designing and

Jennifer Eberle
Free Product Removal
December 27, 1994
Page 2

constructing such a system. In the interim, we have stopped pumping free product manually.

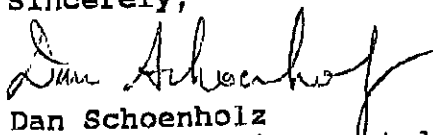
Pursuant to Title 23, Article 5, Section 2655, we request that you concur with our interpretation that it is impractical to continue to remove free product via manual pumping.

GROUNDWATER FLOW DIRECTION

On December 6, 1994, a Port of Oakland survey crew completed a survey of the three wells installed by the Port at Building C-401 and the three wells installed as part of the Dongary Investments investigation. A copy of the survey report is enclosed. Using the information obtained in the Port survey, the groundwater flow direction has been recalculated for three different water level measuring events (see enclosed figure). Based on the results of the recalculation, it appears that the Port's monitoring well MW-3 is located upgradient of the former Port-owned underground storage tanks.

If you have any questions, please feel free to contact me at 272-1220.

Sincerely,



Dan Schoenholz
Associate Environmental Scientist

Enclosures

cc: Don Ringsby, Dongary Investments
Terry Surel
James McGrath
Neil Werner
Gerry Slattery, Uribe & Associates

**Product Column Data for
Groundwater Monitoring Wells at
Port of Oakland Building C-401, 2277 Seventh Street, Oakland**

Date	Reference Elevation ¹ (feet)	Well Depth (feet)	Initial Depth to Product ² (feet)	Initial Depth to Groundwater ² (feet)	Initial Thickness of Product in Well (feet)	Estimated Amount Recovered (gallons)	Final Depth to Product ¹ (feet)	Final Depth to Groundwater ² (feet)	Final Thickness of Product in Well (feet)
MW - 1	14.17	15.4							
6/30/94			9.20	9.75	0.55	15	NM	NM	NM
7/8/94			9.12	9.88	0.76	15	NM	NM	NM
7/14/94			9.12	9.90	0.78	15	NM	NM	NM
7/21-22/94			9.16	9.78	0.62	15	NM	NM	NM
7/29/94			9.13	10.00	0.87	3	NM	NM	NM
8/3/94			9.19	10.38	1.11	3	NM	NM	NM
8/11/94			9.24	10.51	1.27	3	NM	NM	NM
8/18/94			9.25	10.38	1.13	3	NM	NM	NM
9/29/94			9.30	10.50	1.20	3	11.05	11.1	0.05
10/4/94			9.30	9.75	0.45	15	9.45	9.5	0.05
10/14/94			9.25	10.05	0.80	15	9.4	9.45	0.05
10/21/94			9.49	10.84	1.35	NA	NM	NM	NM
11/2/94			9.44	10.26	0.82	25	NM	NM	NM
* 11/10/94			8.45	9.80	1.35	3	NA	NA	NA
11/18/94			8.78	9.76	0.98	3	NM	NM	NM
12/8/94			8.69	9.46	0.77	3	NM	NM	NM
MW - 2	14.38	15.18							
7/22/94			NA	9.58	NA	NA	NA	NA	NA
7/29/94			NA	9.51	NA	NA	NA	NA	NA
8/3/94			NA	9.59	NA	NA	NA	NA	NA
8/11/94			NA	9.67	NA	NA	NA	NA	NA
8/18/94			NA	9.63	NA	NA	NA	NA	NA
9/29/94			NA	9.75	NA	NA	NA	NA	NA
10/4/94			NA	9.6	NA	NA	NA	NA	NA
10/21/94			NA	9.94	NA	NA	NA	NA	NA
11/2/94			NA	9.8	NA	NA	NA	NA	NA
* 11/10/94			NA	9.8	NA	NA	NA	NA	NA
11/18/94			NA	8.92	NA	NA	NA	NA	NA
12/8/94			NA	8.98	NA	NA	NA	NA	NA

**Product Column Data for
Groundwater Monitoring Wells at
Port of Oakland Building C-401, 2277 Seventh Street, Oakland**

Date	Reference Elevation ¹ (feet)	Well Depth (feet)	Initial Depth to Product ² (feet)	Initial Depth to Groundwater ² (feet)	Initial Thickness of Product in Well (feet)	Estimated Amount Recovered (gallons)	Final Depth to Product ² (feet)	Final Depth to Groundwater ² (feet)	Final Thickness of Product in Well (feet)
MW - 3	14.24	15.3							
6/30/94			8.83	14.97	6.14	45	NM	NM	NM
7/8/94			8.34	14.85	6.51	45	NM	NM	NM
7/14/94			8.35	14.41	6.06	45	NM	NM	NM
7/21-22/94			8.45	14.32	5.87	45	NM	NM	NM
7/29/94			8.9	14.45	5.55	18	NM	NM	NM
8/3/94			8.45	14.45	6.00	30	NM	NM	NM
8/11/94			9.52	14.45	4.93	30	NM	NM	NM
8/18/94			9.48	14.38	4.90	45	NM	NM	NM
9/23/94			8.75	14.45	5.70	100	8.8	12.9	4.10
9/29/94			8.85	14.45	5.60	165	9.5	12.45	2.95
10/4/94			8.85	14.5	5.85	165	9	12.3	3.30
10/14/94			9.6	14.5	4.90	165	9.1	10.5	1.40
10/21/94			8.88	14.5	5.62	90	9.02	12.67	3.65
11/2/94			8.79	14.5	5.71	50	9.05	13.25	4.20
* 11/10/94			8.07	13.12	5.05	NA	NA	NA	NA
11/18/94			7.91	13.1	5.19	90	NA	NA	NA
12/8/94			7.95	13.58	5.63	90	NA	NA	NA

Notes:

NA = not applicable

NM = not measured

* Product recovery not conducted on 11/10/94 due to failure in the pumping equipment.

1 Reference elevation is top of well casing and relative to Port of Oakland Datum (3.2 feet below MSL).

Reference elevations surveyed on June 8, 1994 by Greiner Associates.

2 Depths measured from top of well casing.

3 For MW - 1, the estimated amount recovered is approximately 75% product and 25% water
For MW - 3, the estimated amount recovered is approximately 100% product.

DEC 27 '94 01:55PM PORT OF OAKLAND ENVIRON DEPT
URIBE & ASSOC
DEC 27 '94 11:58AM

December 6, 1994

To: DAN SCHOENHOLZ
Environmental Planning

From: GILBERT E. HAYES
Survey Chief

Re: Locations and Elevations of Monitoring Wells
Survey Request 917932 / Work order: 202386

We have completed the survey work as you requested. After our discussion yesterday, I met, in the field, with Mr. John Borrego of U & A.

Together we were able to open some of the wells, however we were unable to open most of the padlocks. Thus the locations of the elevations taken at each well are annotated.

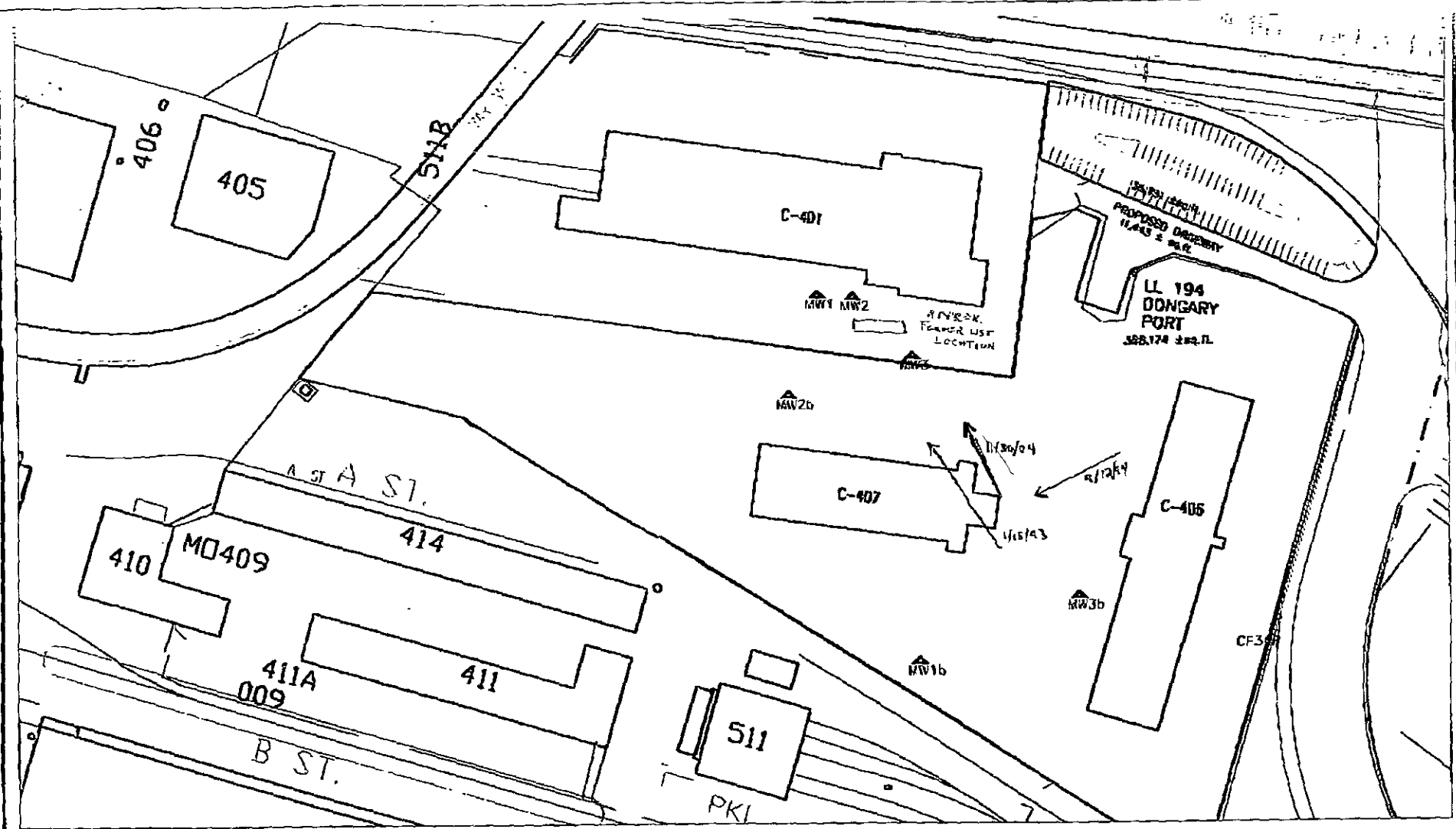
WELL	NORTHING	EASTING	ELEVATION	NOTES
MW1	2121670.68	6037561.78	14.59	(1)
MW2	2121668.81	6037599.76	14.71	(1)
MW3	2121604.12	6037663.10	14.20	(2)
MW1b	2121289.53	6037689.66	13.72	(4)
MW2b	2121560.37	6037529.43	13.81	(3)
MW3b	2121339.82	6037846.26	15.06	(4)

NOTES:

- (1) The lid could not be opened. The elevation was taken on the flange of the rim. This location was punched and painted red for future location.
- (2) The lid was opened, but the cap assembly covered the casing. Nobody had a key to this padlock. An elevation was taken on the padlock flange which was painted red.
- (3) The lid was opened however the cap was locked (no key). A measurement was made to the top of the cap. Subtract 0.01 from the value shown to determine the elevation of the casing at the indicator mark.
- (4) The lid was opened and the cap removed successfully. The elevation shown is on the top of the casing.

In the future it would be very helpful if we can obtain keys and whatever tools are required to open the lids. Also, as a suggestion, you might wish to think about generating a Port Standard Detail so that lids, locks, caps, etc. are always the same on future wells.

b2
b =
Dongary



→ = APPROXIMATE GW FLOW DIRECTION IN DATE OF GW ELEVATION MEASUREMENT, BASED ON PORT WELL SURVEY CONDUCTED 12/94

APPROVAL SUPERVISOR DATE WORK OF OAKLAND ENVIRON DEPT 12/94	RECORDS DATE WORK OF OAKLAND ENVIRON DEPT	NAME DATE WORK OF OAKLAND ENVIRON DEPT	DONGARY/PORT MONITORING WELLS	PORT OF OAKLAND ENVIRONMENTAL SERVICES 12/94
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