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02 June 1997
Work Order No. 03886-118-002-1700-00

Mr. Maurice Beaudoin, Resident Engineer
Department of the Army
New England Division, Corps of Engineers
New Bedford Resident Office
103 Sawyer Street
New Bedford, MA 02746

Superfund Records Center
SITE: NEW BEDFORD
BREAK: 7.2
OTHER: 46748

Reference: Contract No. DACW33-95-D-0004
Delivery Order No. 0002
New Bedford Harbor Superfund Site
Sawyer Street Site O & M
DCN-NBH-060297-AAJD

Subject: Quarterly Groundwater Sampling Results - First Quarter 1997

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 26 and 27 March 1997. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, the total concentrations of lead in MW-1 and cadmium in MW-3 exceeded the applicable U.S. EPA Maximum Contaminant Level (MCL) regulatory guidelines of 15.0 and 5.0 parts per billion (ppb), respectively. No other exceedances of MCLs were noted. Data validation notes and the laboratory data transmittals for the 26 and 27 March 1997 groundwater sampling results are attached.

During the groundwater sampling event on 26 and 27 March 1997, the depression area located east of the Confined Disposal Facility (CDF) was inundated with standing water to a maximum depth of approximately 2.0 feet. Monitoring wells MW-2 and MW-3 are located in this area, and the depth of standing water in the vicinity of these two wells was observed to be approximately 1.5 feet. Standing water in the vicinity of these wells may affect the natural measured depth to water in the wells and may also affect the quality of groundwater in this area. The depression area is utilized as a discharge area for rain water which accumulates on the covers of CDF cells.



Mr. Maurice Beaudoin
U.S. Army Corps of Engineers

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02 June 1997

Please call me at (508) 772-7190 if you have any questions regarding this Letter Report.

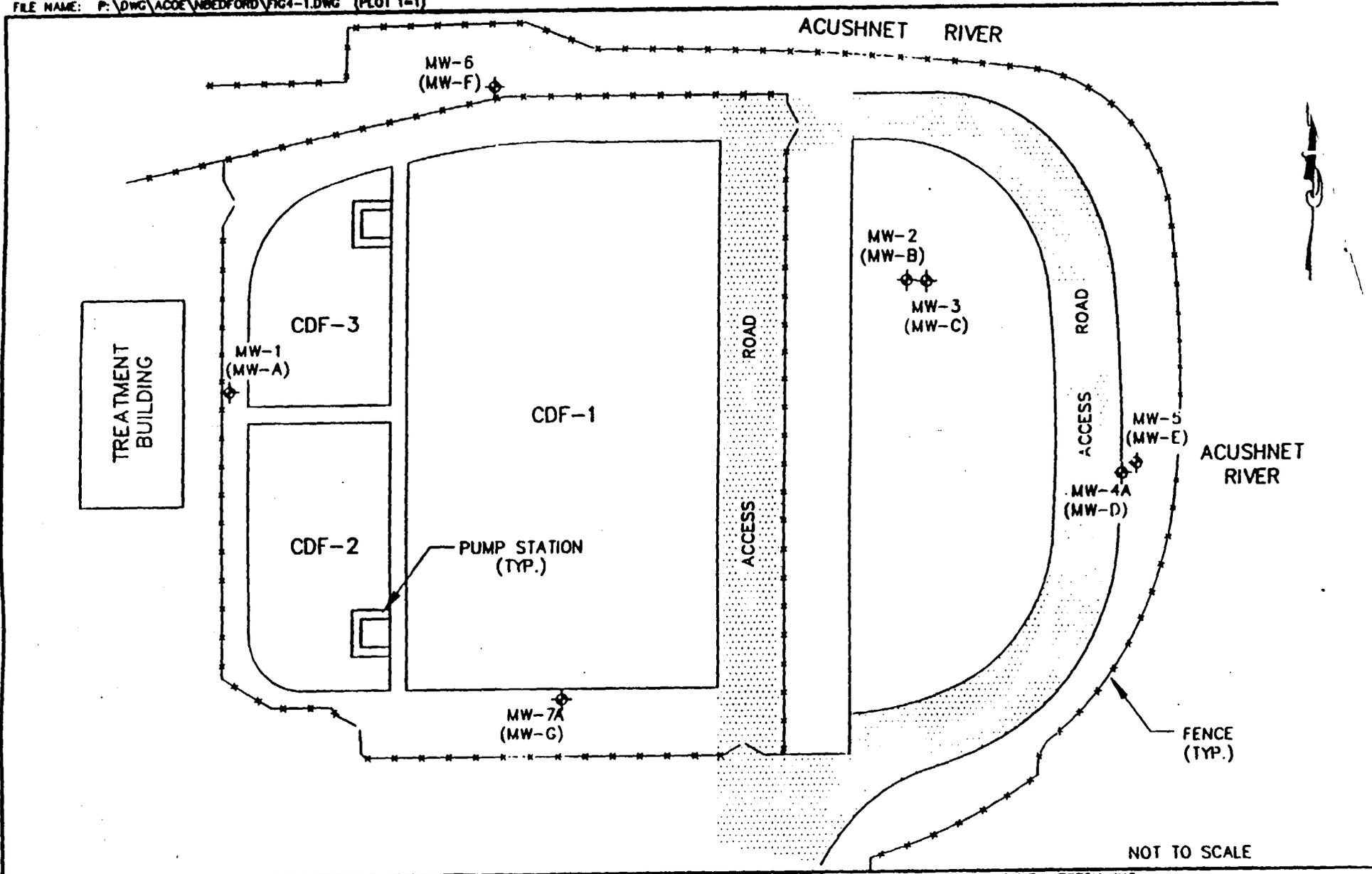
Very Truly Yours,

ROY F. WESTON, INC.



David C. Crispo
Assistant Engineer II

cc: R. Rico (WESTON)
L. Lemay [WESTON DCN File (2)]
M. Otis (CENED)
Project File (DVN)



SITE PLAN
 NEW BEDFORD HARBOR SUPERFUND SITE
 NEW BEDFORD, MASSACHUSETTS



DRAWN K.J.C.	DATE MAY 96	DES. ENG.	DATE	W. O. NO. 03886-118-0x
CHECKED		APPROVED		DWG NO.

Table 1

New Bedford Harbor Sawyer Street Site
 Quarterly Groundwater Sampling - 26 and 27 March 1997
 Sample Summary

SAMPLE LOCATION	SAMPLE ID	QC/FIELD DUP SAMPLE ID	RINSATE BLANK ID	MS/MSD SAMPLE ID	*QA LAB SAMPLE ID	SAMPLE DATE	SAMPLE TIME	COMMENTS
MW-1	001-0397	101-0397				03/26/97	1208 hours	Field duplicate sample (101-0397) collected @ 1208 hours
MW-2	002-0397		202-0397			3/27/97	0930 hours	Blank sample (202-0397) collected @ 1550 hours.
MW-3	003-0397					3/27/97	1125 hours	
MW-4A	004-0397			004-0397		3/26/97	1330 hours	
MW-5	005-0397				*005-0397-QA	3/26/97	1340 hours	
MW-6	006-0397					3/26/97	1130 hours	
MW-7A	007-0397					3/26/97	1130 hours	

*QA Lab sample shipped to:

Mr. Dave Lubianez
 ACOE New England Division Environmental Lab
 476 Coldbrook Road
 Hubbardston, MA 01452
 phone (508) 928-4238
 NB Harbor Project No. E0562

All other samples shipped through Thermo Analytical,
 300 Second Ave., Waltham, MA to:

Mr. Brad Ayars
 Lancaster Laboratories
 2425 New Holland Pike
 Lancaster, PA 17605
 phone (717) 656-2300

Table 2

New Bedford Harbor Sawyer Street Site
 Quarterly Groundwater Sampling - 26 and 27 March 1997
 Final Field Measurements

Well ID	Sample Date	Depth of Water (ft)*	pH	Temperature (°C)	Specific Conductivity (mmhos/cm)
MW-1	3/26/97	15.70	8.10	10.0	0.80
MW-2	3/27/97	8.94	7.30	2.5	2.60
MW-3	3/27/97	4.04	8.20	7.5	1.70
MW-4A	3/26/97	6.60	7.20	10.5	9.50
MW-5	3/26/97	5.50	8.20	9.0	1.40
MW-6	3/26/97	13.00	8.00	9.0	0.40
MW-7A	3/26/97	10.80	6.30	9.5	0.80

*Depth of water measured from top of inner Teflon well casing.

Tide Schedule for New Bedford on 26 March 1997:
 High Tide: 0917 and 2131 hours.
 Low Tide: 0306 and 1522 hours.

Tide Schedule for New Bedford on 27 March 1997:
 High Tide: 0956 and 2206 hours.
 Low Tide: 0446 and 1601 hours.

Table 3

**New Bedford Harbor Sawyer Street Site
Quarterly Groundwater Sampling - 26 and 27 March 1997
Analytical Results**

Compounds Detected		Groundwater Sampling Locations									
		US EPA MCL	MCP GW-1 Standard	MW-1	MW-1 Duplicate	MW-2	MW-3	MW-4A	MW-5	MW-6	MW-7A
PCBs	Total	0.5	0.5	ND	ND	ND	ND	0.109J	ND	ND	ND
	Dissolved	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Total	5.0	5.0	ND	ND	ND	7.3J	ND	ND	ND	ND
	Dissolved	5.0	5.0	ND	3.4J	ND	4.5J	ND	ND	ND	ND
Chromium	Total	100.0	100.0	ND	ND	ND	ND	ND	13.0J	ND	9.9J
	Dissolved	100.0	100.0	4.8J	ND	ND	ND	ND	ND	ND	ND
Copper	Total	1,300.0	NA	4.2J	5.1J	ND	61.0	ND	5.1J	ND	8.7J
	Dissolved	1,300.0	NA	ND	ND	ND	38.0	ND	ND	ND	ND
Lead	Total	15.0	15.0	15.5	17.3	ND	1.4J	6.8	2.9J	2.0	6.0J
	Dissolved	15.0	15.0	4.8	5.1	ND	ND	1.6J	6.6	1.7J	ND

Note: Shaded areas indicate results exceeding US EPA MCL or MCP GW-1 standards for groundwater.
Results reported in micrograms per liter ($\mu\text{g/L}$ = parts per billion).

NA = Not Applicable.

ND = Not Detected.

J = Estimated value.

U.S. EPA MCL = US EPA Maximum Contaminant Level standards for groundwater.

MCP GW-1 Standard = Massachusetts Contingency Plan (per Massachusetts Department of Environmental Protection) GW-1 standards for groundwater.