

FAX TRANSMITTAL

GERAGHTY & MILLER, INC

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(including cover sheet)

TO: SUSAN HUGO

SUBJECT: _____

FAX #: 337 9335 DATE: 9/11/96

PHONE #: _____ JOB #: _____

FROM: **JEFF HAWKINS GERAGHTY & MILLER, INC.**
RICHMOND, CALIFORNIA OFFICE
FAX #: (510) 233-3204 PHONE #: (510) 233-3200

COMMENTS: Proposed quarterly program for the next 4 quarters.

Jeff Hawkins
510 233 3200

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August 27, 1996
Project No. RC0304.003

Ms. Susan L. Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

SUBJECT: Proposed Quarterly Groundwater Monitoring Program, Electro-Coatings Facility, 1401 and 1421 Park Avenue, Emeryville, California.

Dear Ms. Hugo:

This letter presents the proposed quarterly groundwater monitoring program for the Electro-Coatings, Inc. (ECI) facility referenced above. The first year of quarterly monitoring that was completed by Geraghty & Miller ended with the June 1996 sampling event. This proposed monitoring program is intended to cover the period of September 1996 through June 1997.

PROPOSED SAMPLING PROGRAM

Geraghty & Miller has reviewed the results from the past year of quarterly monitoring and the preliminary results of the pilot test and believes that a number of modifications to the monitoring network are appropriate and will result in an improved data set. It should be noted that the proposed monitoring network will result in no net change in the number of groundwater samples that are collected and analyzed during the next year of sampling activities.

The proposed network of monitoring wells is comprised of 14 of the existing monitoring wells as detailed in Table 1. The locations of these wells are shown on Figure 1. Wells MW-3A, MW-6, MW-12, MW-13 MW-16, and MW-17 will remain on a quarterly schedule similar to the past year. Additionally, Well MW-4 will be added to the quarterly schedule. Wells MW-1, MW-9, MW-11, and MW-14, that were not part of the past years monitoring network, will all be added and will be sampled semi-annually. Well MW-20, which had been sampled quarterly, will be sampled semi-annually. The analytical results for



MW-20 for the past year have been consistent with little variability. Wells MW-18 and MW-18A which had been monitored quarterly will be monitored annually because of the consistent results from these wells during the past year and historically.

The sampling events will be scheduled for the second full weeks of September and December 1996, March 1997 and June 1997. The report documenting the results of the sampling events will be submitted by the end of the second full week of the following month.

SAMPLING PROCEDURES AND LABORATORY ANALYSIS

Prior to sampling, depth-to-water and total well depth measurements will be obtained from each well. Each well will then be purged of a minimum of four casing volumes of water using an aboveground diaphragm pump. The purged water will be monitored for temperature, pH, and specific conductance and stored on-site in 55-gallon drums for proper disposal by ECI. The groundwater samples will be collected using a new disposable polyethylene bailer for each well. The samples for laboratory analysis will be collected into appropriate USEPA approved containers, placed on ice, and transported to Sequoia Analytical Laboratory located in Concord, California.

The water samples will be analyzed for total dissolved chromium (USEPA Method 200.7), hexavalent chromium (USEPA Method 7196), and halogenated volatile organics (USEPA Method 8010).

REPORTING

Following receipt of the laboratory results, a report will be prepared that will include the following information:

- Summary of Sampling and Analytical Procedures;
- Summary Table of Depth-to-Water and Groundwater Elevations;
- Summary Table of Groundwater Analytical Results;
- Spider Map Showing Concentrations of Total and Hexavalent Chromium;
- Spider Map Showing Concentrations of TCE and PCE;
- Groundwater Elevation Contour Map;
- Discussion of Results.



If you have any questions regarding this proposed sampling plan, please do not hesitate to call the undersigned at (510) 233-3200.

Sincerely,
GERAGHTY & MILLER, INC.



Jeffrey W. Hawkins, R.G.
Senior Geologist/Project Manager



Gary W. Keyes
Principal Engineer/Associate
Richmond, California Office Manager

Attachments: Table 1 Proposed Monitoring Schedule
 Figure 1 Monitoring Well Locations

cc: Ms. Judy Garvens, ECI



Table 1: Proposed Monitoring Schedule
 Electro-Coatings, Inc.
 1401 and 1421 Park Avenue, Emeryville, California

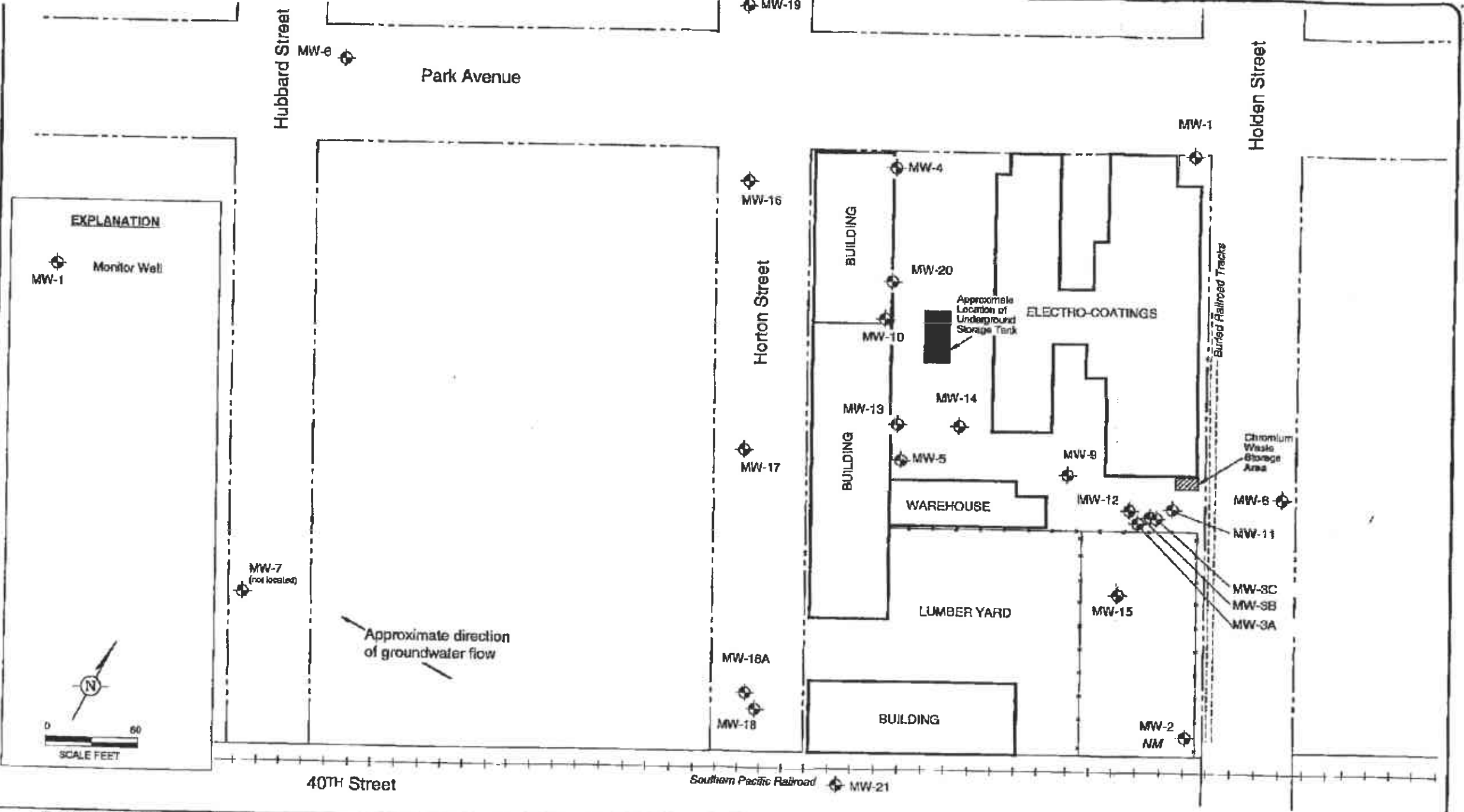
Monitoring Well	Sampling Frequency	Notes
MW-3A	Quarterly	
MW-4	Quarterly	
MW-6	Quarterly	
MW-12	Quarterly	
MW-13	Quarterly	
MW-16	Quarterly	
MW-17	Quarterly	
MW-1	Semi-Annual	(a)
MW-9	Semi-Annual	(a)
MW-11	Semi-Annual	(a)
MW-14	Semi-Annual	(a)
MW-20	Semi-Annual	(a)
MW-18A	Annual	(b)
MW-18	Annual	(b)

Notes:

- (a) The semi-annual monitoring will be performed during the September 1996 and March 1997 sampling events.
- (b) The annual monitoring of these wells will be performed during the June 1997 sampling event.



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GERAGHTY & MILLER, INC.
 Environmental Services
 A Holdens Company
 Project No. FC0304.000

MONITOR WELL LOCATIONS
 Electro-Coatings, Inc.
 1401 and 1421 Park Avenue
 Emeryville, California

FIGURE 1