O'BRIEN & GERE

January 17, 1990

Mr. Henry Mitchell
Manager of Facilities Engineering
Amphenol Corporation
40-60 Delaware Avenue
Sidney, New York 13838-1395

Re: Plating Facility
Hydrogeologic Assessment

File: 3729.010

Dear Henry:

The following presents hydrogeologic and ground water quality data collected in conjunction with continued monitoring in and around the plating building at the Amphenol Corporation, Sidney, New York facility. This report represents the third quarter data collected between November 14 and 15, 1989, relative to the completion of the Hydrogeologic Assessment in March 1989. The report details the methods employed for the data collection and results and interpretations in accordance with our proposed scope of services dated March 15, 1989.

Background

In December 1988, O'Brien & Gere Engineers (OBG) was retained by Amphenol Corporation to investigate and evaluate possible impacts to the ground water beneath the plating building facility resulting from the leakage of waste waters into the subgrade soils. To meet the objectives of the investigation, 13 ground water monitoring wells were installed in and around the plating building. Ground water samples were collected from these wells on two occasions and analyzed for pH, specific conductance, and concentrations of selected total metals. The procedures and results of the investigation are presented in the Plating Facility Hydrogeologic Assessment Report submitted to Amphenol Corporation in March 1989.

Ground water monitoring, as recommended in the Plating Facility Hydrogeologic Assessment report, has continued through the 1989 calendar year. The monitoring program is designed to assess changes in the shallow ground water flow conditions and inorganic ground water chemistry at various locations beneath, adjacent to, and around the perimeter of the plating building. The recent monitoring efforts, presented in this report, include quarterly ground water analyses for select inorganic parameters pH and specific conductance collected during the third quarter 1989 sampling event.

Field Investigation

Ground water samples were collected from the 13 existing wells on November 14 and 15, 1989 as part of the quarterly monitoring program. Prior to sampling, ground water elevations were measured in each well and a minimum of three well volumes were evacuated from each well. Ground water elevation data are presented in Table 1. Ground water samples were then collected using a stainless steel bailer attached to an appropriate length of polypropylene rope. Subsequent to sampling, the bailer was decontaminated by washing with mild detergent and water, rinsed with distilled water, rinsed with dilute nitric acid, followed by a final distilled water rinse. A new clean length of polypropylene rope was used for each well sampled.

Samples collected, as part of the quarterly monitoring program, were analyzed in the field for pH and specific conductance. Additionally, the samples were submitted for laboratory analyses of pH, specific conductance, cyanide, cadmium, chromium, nickel, and zinc. Laboratory data results are summarized in Tables 2 and 3. Laboratory data sheets, including QA/QC field duplicate samples, are presented in Attachment A.

Results Summary

A summary of ground water elevations collected from January 1989 to November 1989 are presented on Table 1. Recent ground water elevation data collected on November 14, 1989 were used to produce Figure 1, a generalized shallow ground water flow map.

Figure 1 indicates that localized ground water flows to the east. This localized easterly flow pattern may result from the pumping of the adjacent on-site bedrock supply well (Amphenol West Well) shown on Figure 1. Further evaluation of this relative to the ground water flow pattern of the entire site would be necessary, however, to confirm the supply wells influence on shallow ground water flow direction.

A review of Figure 1 compared with previous ground water elevation maps indicates a subtle change in the generalized potentiometric surface of the ground water table. The November 14, 1989 ground water flow map indicates that shallow ground water flow is toward the Amphenol west pumping well and is consistent with previous data. However, the hydraulic gradient has increased from 0.0008 ft/ft and 0.0002 ft/ft measured on 2/22/89 and 4/19/89, respectively, to 0.002 ft/ft on 8/14/89 and 0.0013 ft./ft. on 11/14/89. The lower hydraulic gradient measured during earlier sampling events may have resulted from infiltration of plating water beneath the building in the vicinity of MW-8 and MW-11. This hydraulic loading could cause a flattening of the gradient in this area.

It should be noted that the change in the shallow ground water flow conditions during the August 1989 sampling event occurred subsequent to the repairs of the junction box assembly located approximately 20 feet south of MW-11 (Figure 1). This likely resulted in lower ground water elevations at wells MW-11 and MW-12

which would have increased the hydraulic gradient from west to east across the Plating Building. The recent November data, however, indicate a flattening of the ground water table in the vicinity of wells MW-9, MW-11, and MW-12 where identical ground water elevation values of 973.67 ft. were recorded. This may be the result of resumed leakage of waste water in this area of the building.

Specific conductivity and pH results from ground water samples collected during the initial accelerated monthly sampling program and subsequent quarterly sampling events are summarized on Table 2. Inorganic ground water quality data, from samples collected on January 18, 1989 and February 8, 1989 during the initial investigation and follow-up quarterly monitoring for the first three quarters, are summarized on Table 3.

A review of Table 2 indicates that ground water pH values, measured during the recent November sampling, have not changed significantly from the previous August sampling event. With the exception of MW-6, specific conductance values decreased during the same period. MW-7 and MW-11 continue to exhibit the lowest pH values of 3.9 and 2.1, respectively.

Table 3 presents a summary of inorganic data collected from January 1989 through November 1989 and associated New York State Class GA Ground Water Standards. A review of the laboratory data presented on Table 3, indicate that with the exception of monitoring wells MW-7, MW-11 and MW-13, concentrations of cadmium, chromium, nickel, zinc and cyanide have remained essentially unchanged or decreased from the previous August 1989 sampling event. MW-11 exhibited a notable increase in cyanide concentrations from 4.1 ppm to 8.5 ppm. Monitoring well MW-7 exhibited an increase in cadmium (7.1 ppm to 10.0 ppm), chromium (0.97 ppm to 2.9 ppm), nickel (5.2 ppm to 7.6 ppm), zinc (5.6 ppm to 6.2 ppm) and cyanide (2.8 ppm to 5.8 ppm). Concentrations of cadmium measured in MW-13 increased from 0.18 ppm to 0.46 ppm. Nickel increased from less than 0.05 ppm to 0.17 ppm and cyanide increased from less than 0.01 ppm to 0.03 ppm.

During the November 1989 event, concentrations of cadmium, zinc, and cyanide were measured which exceeded the New York State Class GA Ground Water Standards. Concentrations of cadmium which exceed the standard of 0.01 ppm include MW-4 (0.6 ppm), MW-7 (10.0 ppm), MW-8 (2.0 ppm), MW-9 (0.10 ppm), MW-11 (23.0 ppm), MW-12 (0.02 ppm) and MW-13 (0.46 ppm). Zinc was detected in wells MW-7 (6.2 ppm) and MW-11 (7.6 ppm) in excess of the 5.0 ppm standard. Cyanide was also detected in excess of the 0.02 ppm standard in wells MW-4 (0.26 ppm), MW-5 (0.08 ppm), MW-6 (0.03 ppm), MW-7 (5.8 ppm), MW-8 (0.09 ppm), MW-11 (8.5 ppm) and MW-13 (0.03 ppm).

Conclusions

The change in ground water flow conditions in August 1989 indicate that repairs to the junction box, and shut down of the subgrade plating waste drain lines during these repairs reduced infiltration of plating waste water into the underlying soils. However, recent November 1989 ground water elevation data suggests that infiltration (leakage) may have resumed. Ground water quality data continues to suggest the possibility of leakage occurring in the vicinity of MW-11 and MW-7.

If you have any questions regarding the information provided above, please feel free to give Bill Gabriel or me a call.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James T. Mickam

James T. Mickam, CPG
Vice President

WJG:ers/87.9

cc: J.C. Tomik, CPG (O'Brien & Gere Engineers, Inc.)
W.J. Gabriel (O'Brien & Gere Engineers, Inc.)

Table 1

Amphenol Corporation
Plating Building

Well Specifications and Ground Water Elevation Data

Well No.	Ground Elevation (feet)	Casing Elevation (feet)	Well Depth (feet)	Screened -Interval Elevation (feet)	Ground Water Elevation (feet) 1/18/89	2/8/89	2/22/89	3/21/89	4/19/89	5/31/89	8/14/89	11/14/89
MW-1	981.6	981.34	20.0	961.6 - 971.6	972.00	972.05	971.86	971.60	973.36	974.67	974.07	973.96
MW-2	981.8	981.53	20.0	961.8 - 971.8	972.14	972.22	971.87	971.58	973.37	974.62	974.05	973.95
MW-3	982.9	982.78	19.7	963.2 - 973.2	972.10	971.78	971.83	971.54	973.32	974.65	973.95	973.88
MW-4	984.6	984.37	20.5	963.9 - 973.9	972.16	971.95	971.78	971.50	973.28	974.62	973.89	973.88
MW-5	983.9	983.38	16.5	967.4 - 977.4	972.47	972.25	971.84	971.56	973.34	974.64	974.01	973.93
MW-6	984.5	984.27	17.0	967.5 - 977.5	972.14	971.94	971.80	971.52	973.31	974.64	973.93	-----
MW-7	984.2	986.30	17.5	966.7 - 976.7	972.97	969.73	971.78	971.54	973.30	974.91	973.88	973.74
MW-8	984.6	984.38	18.0	966.6 - 976.6	971.95	971.95	971.81	971.54	973.29	974.64	974.03	973.80
MW-9	984.6	984.41	18.0	966.6 - 976.6	971.82	971.88	971.74	971.47	973.27	974.60	973.93	973.67
MW-11	984.7	984.45	18.0	966.7 - 976.7	971.88	971.90	971.72	971.46	973.27	974.58	973.85	973.67
MW-12	984.6	984.45	17.9	966.7 - 976.7	971.83	971.86	971.71	971.46	973.27	974.63	973.90	973.67
MW-13	984.6	984.47	17.7	966.9 - 976.9	971.79	971.82	971.73	971.47	973.29	974.63	973.95	973.73
MW-14	984.6	984.47	17.8	966.8 - 976.8	971.82	971.86	971.77	971.49	973.32	974.67	974.03	973.79

Note: ----- - Not collected

Table 2

Amphenol Corporation
Plating Building

Ground Water Indicator Parameters

Well No.	Date	pH	SpCond (umhos)
MW-1	1/18/89	7.4	470
	2/8/89	7.5	360
	3/21/89	7.0	440
	4/19/89	7.0	360
	5/31/89	6.2	370
	11/14/89	8.0	400
MW-2	1/18/89	7.0	580
	2/8/89	7.7	700
	3/21/89	6.4	510
	4/19/89	7.0	360
	5/31/89	6.4	370
	11/14/89	7.9	400
MW-3	1/18/89	7.0	660
	2/8/89	8.0	870
	3/21/89	6.5	800
	4/19/89	6.9	580
	5/31/89	6.1	290
	11/14/89	7.1	700
MW-4	1/18/89	5.9	960
	2/8/89	6.3	1100
	3/21/89	6.2	940
	4/19/89	6.8	550
	5/31/89	6.2	570
	11/14/89	7.3	600
MW-5	1/18/89	6.7	350
	2/8/89	7.2	360
	3/21/89	6.3	380
	4/19/89	6.8	920
	5/31/89	6.4	2300
	11/14/89	7.4	3100
MW-6	1/18/89	7.1	1100
	2/9/89	7.8	1500
	3/21/89	6.6	1100
	4/19/89	7.1	1100
	5/31/89	6.5	1600
	11/14/89	5.6	3000
MW-7	1/18/89	6.3	2700
	2/9/89	7.0	2600
	3/21/89	4.3	2900
	4/19/89	5.0	2100
	5/31/89	4.1	1400
	11/14/89	4.1	2700

Table 2 (Cont.)

Amphenol Corporation
Plating Building

Ground Water Indicator Parameters

Well No.	Date	pH	SpCond (umhos)
MW-8	1/18/89	5.7	3200
	2/8/89	6.9	910
	3/21/89	6.2	550
	4/19/89	6.6	560
	6/1/89	5.9	460
	11/14/89	6.5	1700
MW-9	1/18/89	5.4	2900
	2/8/89	8.2	580
	3/21/89	6.1	690
	4/19/89	6.7	430
	6/1/89	5.8	560
	11/14/89	6.7	400
MW-11	1/18/89	2.1	8300
	2/8/89	5.0	2700
	3/21/89	2.6	4700
	4/19/89	3.3	3200
	6/1/89	2.2	4300
	11/14/89	2.7	5400
MW-12	1/18/89	6.1	560
	2/8/89	7.4	570
	3/21/89	6.2	870
	4/19/89	6.7	420
	6/1/89	5.9	300
	11/14/89	5.2	400
MW-13	1/18/89	6.3	1400
	2/8/89	8.3	460
	3/21/89	6.4	420
	4/19/89	6.6	400
	6/1/89	6.0	320
	11/14/89	5.5	1300
MW-14	1/18/89	6.7	410
	2/8/89	7.2	330
	3/21/89	6.3	360
	4/19/89	6.7	390
	6/1/89	6.1	310
	11/14/89	6.1	400
NYS CLASS GA GROUND WATER STANDARD		6.5-8.5	NE

* The detection limit has been raised due to the presence of matrix interference.
NE - Not Established.
NA - Not Analyzed.

Table 3

Amphenol Corporation
Plating Building

Inorganic Analysis

Well No.	Date	Ag (ppm)	As (ppm)	Be (ppm)	Cd (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Se (ppm)	Tl (ppm)	Zn (ppm)	Cn (ppm)	pH	SpCond (umhos)
MW-1	1/18/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	<0.01	0.03	7.4	470
	2/8/89	<0.01	<0.005	<0.05	0.02	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.04	<0.01	7.5	360
	5/31/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.05	<0.01	6.2	370
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.04	<0.01	6.5	910
	11/16/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	<0.01	<0.01	6.6	390
MW-2	1/18/89	<0.01	<0.005	<0.05	0.03	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.01	<0.01	7.0	580
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.05	<0.01	7.7	700
	5/31/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.03	<0.01	6.4	370
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.02	<0.01	6.5	930
	11/16/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	<0.01	<0.01	6.6	430
MW-3	1/18/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.04	<0.01	7.0	660
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.02	<0.01	8.0	870
	5/31/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.16	<0.01	6.1	290
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.01	<0.01	6.4	790
	11/16/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.01	<0.01	6.9	720
MW-4	1/18/89	<0.01	<0.005	<0.05	5.6	0.55	0.93	<0.0005	5.7	<0.05	<0.1	<0.05*	<1	2.8	0.04	5.9	960
	2/8/89	<0.01	<0.005	<0.05	<0.01	0.17	0.41	<0.0005	3.6	<0.05	<0.1	<0.05*	<1	1.7	0.03	6.3	1100
	5/31/89	NA	NA	NA	0.25	<0.05	NA	NA	0.41	NA	NA	NA	NA	0.11	0.21	6.2	570
	8/14/89	NA	NA	NA	14.0	2.4	NA	NA	5.7	NA	NA	NA	NA	5.8	0.52	5.9	1000
	11/16/89	NA	NA	NA	0.6	<0.05	NA	NA	0.38	NA	NA	NA	NA	0.18	0.26	6.4	600
MW-5	1/18/89	<0.01	<0.005	<0.05	0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.03	0.01	6.7	350
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.05	<0.01	7.2	360
	5/31/89	NA	NA	NA	0.01	<0.05	NA	NA	0.09	NA	NA	NA	NA	0.15	<0.01	6.4	2300
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	0.06	NA	NA	NA	NA	0.11	0.07	6.6	3200
	11/16/89	NA	NA	NA	0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.04	0.08	8.1	2100

Table 3 (Cont.)

Amphenol Corporation
Plating Building

Inorganic Analysis

Well No.	Date	Ag (ppm)	As (ppm)	Be (ppm)	Cd (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Se (ppm)	Tl (ppm)	Zn (ppm)	Cn (ppm)	pH	SpCond (umhos)
MW-6	1/18/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.01	0.02	7.1	1100
	2/9/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.06	<0.01	7.8	1500
	5/31/89	NA	NA	NA	<0.01	<0.05	NA	NA	0.47	NA	NA	NA	NA	0.15	0.17	6.5	1600
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	0.06	NA	NA	NA	NA	0.10	0.01	6.6	2000
	11/16/89	NA	NA	NA	<0.01	<0.05	NA	NA	0.07	NA	NA	NA	NA	0.01	0.03	6.9	3000
MW-7	1/18/89	<0.01	<0.005	<0.05	3.5	0.06	0.51	<0.0005	6.8	<0.05	<0.1	<0.05*	<1	6.6	2.7	6.3	2700
	2/9/89	<0.01	<0.005	<0.05	1.9	<0.05	0.34	<0.0005	3.7	<0.05	<0.1	<0.05*	<1	2.6	2.2	7.0	2600
	5/31/89	NA	NA	NA	8.5	1.1	NA	NA	6.0	NA	NA	NA	NA	4.4	2.4	4.1	1400
	8/14/89	NA	NA	NA	7.1	0.97	NA	NA	5.2	NA	NA	NA	NA	5.6	2.8	4.8	2300
	11/16/89	NA	NA	NA	10.0	2.9	NA	NA	7.6	NA	NA	NA	NA	6.2	5.8	3.9	2900
MW-8	1/18/89	<0.01	<0.005	<0.05	4.3	<0.05	0.04	<0.0005	1.3	<0.05	<0.1	<0.05*	<1	4.5	0.09	5.7	3200
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	0.17	<0.05	<0.1	<0.05*	<1	0.49	0.06	6.9	910
	6/1/89	NA	NA	NA	0.36	<0.05	NA	NA	0.13	NA	NA	NA	NA	0.36	0.02	5.9	460
	8/14/89	NA	NA	NA	6.3	<0.05	NA	NA	3.3	NA	NA	NA	NA	11.0	0.12	5.8	3300
	11/16/89	NA	NA	NA	2.0	<0.05	NA	NA	1.0	NA	NA	NA	NA	3.3	0.09	6.1	1500
MW-9	1/18/89	<0.01	<0.005	<0.05	1.6	<0.05	0.03	<0.0005	2.0	<0.05	<0.1	<0.05*	<1	0.62	0.16	5.4	2900
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.05	<0.01	8.2	580
	6/1/89	NA	NA	NA	0.13	<0.05	NA	NA	0.11	NA	NA	NA	NA	0.11	0.01	5.8	560
	8/14/89	NA	NA	NA	0.19	<0.05	NA	NA	0.22	NA	NA	NA	NA	0.16	0.01	6.3	1000
	11/16/89	NA	NA	NA	0.1	<0.05	NA	NA	0.06	NA	NA	NA	NA	0.03	0.01	7.4	560
MW-11	1/18/89	<0.01	0.09	<0.05	21.0	15.0	12.0	0.0025	28.0	1.3	<0.1	<0.05*	<1	9.8	2.7	2.1	8300
	2/8/89	<0.01	<0.005	<0.05	<0.01	0.82	1.7	<0.0005	6.0	<0.05	<0.1	<0.05*	<1	5.5	0.88	5.0	2700
	6/1/89	NA	NA	NA	43.0	21.0	NA	NA	19.0	NA	NA	NA	NA	9.0	5.0	2.2	4300
	8/14/89	NA	NA	NA	24.0	21.0	NA	NA	11.0	NA	NA	NA	NA	6.1	4.1	2.2	7000
	11/16/89	NA	NA	NA	23.0	22.0	NA	NA	9.0	NA	NA	NA	NA	7.6	8.5	2.1	6500

Table 3 (Cont.)

Amphenol Corporation
Plating Building

Inorganic Analysis

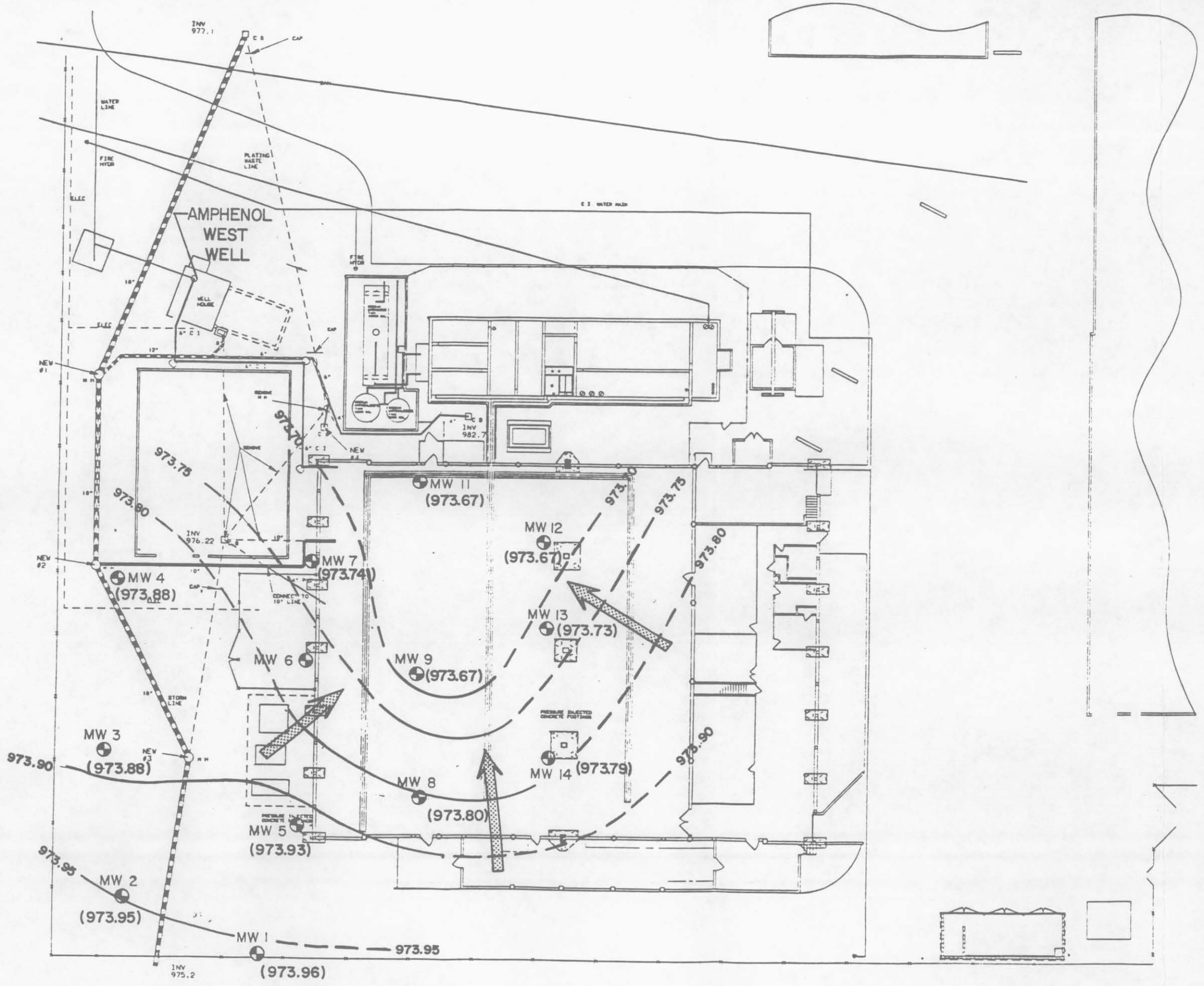
Well No.	Date	Ag (ppm)	As (ppm)	Be (ppm)	Cd (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Se (ppm)	Tl (ppm)	Zn (ppm)	Cn (ppm)	pH	SpCond (umhos)
MW-12	1/18/89	<0.01	<0.005	<0.05	0.06	<0.05	0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.03	0.04	6.1	560
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.03	<0.01	7.4	570
	6/1/89	NA	NA	NA	0.02	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.07	<0.01	5.9	300
	8/14/89	NA	NA	NA	0.02	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.05	<0.01	6.3	880
	11/16/89	NA	NA	NA	0.02	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.02	<0.01	6.4	410
MW-13	1/18/89	<0.01	<0.005	<0.05	0.44	<0.05	0.01	<0.0005	0.11	<0.05	<0.1	<0.05*	<1	0.04	0.02	6.3	1400
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.05	<0.01	8.3	460
	6/1/89	NA	NA	NA	0.02	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.1	0.03	6.0	320
	8/14/89	NA	NA	NA	0.18	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.04	<0.01	6.1	1200
	11/16/89	NA	NA	NA	0.46	<0.05	NA	NA	0.17	NA	NA	NA	NA	0.03	0.03	6.2	1400
MW-14	1/18/89	<0.01	<0.005	<0.05	0.42	<0.05	0.01	<0.0005	<0.05	<0.05	<0.1	<0.05*	<1	0.01	0.01	6.7	410
	2/8/89	<0.01	<0.005	<0.05	<0.01	<0.05	<0.01	<0.0005	<0.05	<0.05	<0.1	<0.005	<1	0.05	<0.01	7.2	330
	6/1/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.11	0.04	6.1	310
	8/14/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	0.08	<0.01	6.2	870
	11/16/89	NA	NA	NA	<0.01	<0.05	NA	NA	<0.05	NA	NA	NA	NA	<0.01	<0.01	6.3	440
NYS CLASS GA GROUND WATER STANDARD		0.10	0.025	NE	0.01	NE	1.0	0.002	NE	0.025	NE	0.02	NE	5.0	0.02	6.5-8.5	NE

Notes: * The detection limit has been raised due to the presence of matrix interference.
NE - Not Established.
NA - Not Analyzed.

FIGURE 1

AMPHENOL CORPORATION PLATING FACILITY

GROUND WATER ELEVATION CONTOUR MAP (11/14/89)



LEGEND

- MONITORING WELL
- 973.70 GROUND WATER ELEVATION CONTOUR
- GROUND WATER FLOW DIRECTION

0 32 64

SCALE IN FEET

O'BRIEN & GERE

ATTACHMENT A

OBG LABORATORIES, INC.

Laboratory Report

CLIENT AMPHENOL JOB NO 3729.003.517

DESCRIPTION Plating Building

DATE COLLECTED 11-14/15-89 DATE REC'D 11-16-89 DATE ANALYZED

Description		Sample #	TOTAL CADMIUM	TOTAL CHROMIUM	TOTAL NICKEL	TOTAL ZINC	CYANIDE	pH STD. UNITS	SPECIFIC CONDUCTANCE µmho/cm
MW-1	Outside	J3731	<0.01	<0.05	<0.05	<0.01	<0.01	6.6	390.
MW-2		J3732				<0.01	<0.01	6.6	430.
MW-3		J3733				0.01		6.9	720.
MW23 Dup		J3734				0.01		6.5	700.
MW-4		J3735	0.60		0.38	0.18	0.26	6.4	600.
MW-5		J3736	0.01		<0.05	0.04	0.08	8.1	2100.
MW-6		J3737	<0.01		0.07	0.01	0.03	6.9	3000.
MW-7		J3738	10.	2.9	7.6	6.2	5.8	3.9	2900.
MW-8	Inside	J3739	2.0	<0.05	1.0	3.3	0.09	6.1	1500.
MW-9		J3740	0.10	<0.05	0.06	0.03	0.01	7.4	560.
MW-11		J3741	23.	22.	9.0	7.6	8.5	2.1	6500.
MW-12		J3742	0.02	<0.05	<0.05	0.02	<0.01	6.4	410.
MW-13		J3743	0.46		0.17	0.03	0.03	6.2	1400.
MW-14		J3744	<0.01		<0.05	<0.01	<0.01	6.3	440.

UNITS: mg/l

Methodology: Federal Register — 40 CFR, Part 136, October 26, 1984

Units: mg/l (ppm) unless otherwise noted

Comments:

OBG Laboratories, Inc., an O'Brien & Gere Limited Company
Box 4942 / 1304 Buckley Rd. / Syracuse, NY / 13221 / (315) 457-1494

Authorized: D. A. Condon

Date: December 8, 1989

OBG

LABORATORIES, INC. CHAIN OF CUSTODY RECORD

SURVEY: AMPHENOL PLATING BLDG

SAMPLERS: (Signature)

STATION NUMBER	STATION LOCATION	DATE	TIME	SAMPLE TYPE: Water (Comp. / Grab.)	SAMPLE TYPE: Air	SEQ. NO.	NO. OF CONTAINERS	ANALYSIS REQUIRED
MW-1	ONSITE	11-14-89	10:00	✓		1	3	DH Spend
MW-2	"	"	1045	✓		2	3	&
MW-3	"	"	11:30	✓		3	3	FILTERED (TCN)
MW-23	"	"	11:35 DUP	✓		4	3	METALS
MW-4	"	"	12:00	✓		5	3	&
MW-5	"	"	12:30	✓		6	3	CYANIDE
MW-6	"	"	1330	✓		7	3	
MW-7	"	"	1430	✓		8	3	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time 11-18-89 4:31
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature) Date/Time 11-15-89 4:31	Received for Laboratory by: [illegible]	Date/Time 11-16-89 10:00

Method of Shipment:

OBG Laboratories, Inc.
Box 4942 / 1304 Buckley Road / Syracuse, New York 13221 / (315) 457-1494

OBG
LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

SURVEY: AMPHENOL PLATING BUILDING

SAMPLERS: (Signature)

STATION NUMBER	STATION LOCATION	DATE	TIME	SAMPLE TYPE: Water (Comp. / Grab)	SAMPLE TYPE: Air	SEQ. NO.	NO. OF CONTAINERS	ANALYSIS REQUIRED
MW-8	INSIDE	11-15-89	930		✓	1	3	PF, Sp cond & FILTERED METALS & CYANIDE
MW-9	"	"	1000		✓	2	3	
MW-11	"	"	1045		✓	3	3	
MW-12	"	"	1130		✓	4	3	
MW-13	"	"	1215		✓	5	3	
MW-14	"	"	1300		✓	6	3	
MW-6	OUTSIDE	11-15-89	1315		✓	7	1	PCB's

Relinquished by: (Signature)	Received by: (Signature)	Date/Time 11-15-89 4:31
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature) Date/Time 11-15-89 4:31	Received for Laboratory by:	Date/Time 11-16-89 10:00

Method of Shipment:

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