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826011 - ENARCO - 6/95-9/95 report

H & A OF NEW YORK

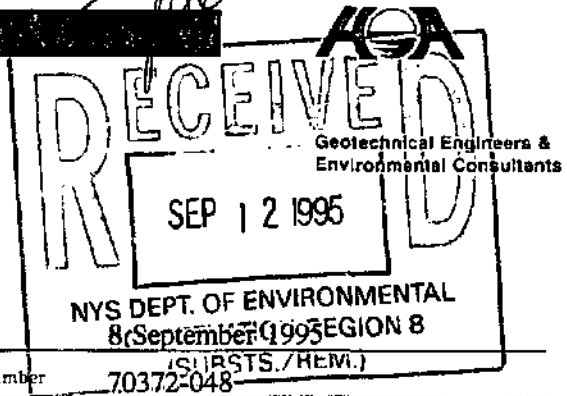


Geotechnical
Engineers &

Environmental
Consultants

H & A OF NEW YORK

Letter of Transmittal



To	Division of Haz. Waste Remediation	Date	8 September 1995
	NYSDEC, 50 Wolf Rd.	File Number	70372-048
	Albany, New York 12233-7010	Subject	Enarc-O Machine Products RI/FS
Attention	A. Joseph White/Gardiner Cross		---

Copies	Date	Description
4	9/8/95	Quarterly Progress Report No. 6, 3 June 1995 to 3 September 1995, Enarc-O Machine Products Remedial Investigation/Feasibility Study, Lima, New York

Remarks

This report was transmitted via fax to you on 8 September 1995.

Copy To Director, Bur. Environ. Investigation, NYSDOH
Region 8 Director, NYSDEC
Glen R. Bailey, Esq., NYSDEC Div. Env. Enforcement
William H. Helferich, III, Harter Secrest & Emery

Signed *Robert J. Mahoney*
Robert J. Mahoney

189 North Water Street
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QUARTERLY PROGRESS REPORT NO. 6
3 JUNE 1995 TO 3 SEPTEMBER 1995
ENARC-O MACHINE PRODUCTS, INC.
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
LIMA, NEW YORK
NYSDEC CONSENT ORDER NO. B8-0112-91-04

by

H&A of New York
Rochester, New York

for

Kaddis Manufacturing Corp.
Rochester, New York

File No. 70372-048
September 1995



8 September 1995
File No. 70372-048

Ronald Iannucci, Sr., President
Kaddis Manufacturing Corporation
P.O. Box 92985
1100 Beahan Road
Rochester, New York 14692-9085

Subject: Quarterly Progress Report No. 6
Enarc-O Machine Products, Inc. RI/FS

Dear Mr. Iannucci:

H&A has prepared the attached Quarterly Report No. 6 for the Remedial Investigation/Feasibility Study (RI/FS) at the Enarc-O Machine Products site in Lima, New York. The report was prepared in accordance with requirements set forth by the New York State Department of Environmental Conservation in Order on Consent No. B8-0112-91-04 for the project.

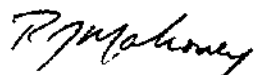
The Progress Report provides a summary of work performed by H&A during the last quarter. H&A's work has been performed in accordance with the Work Plan for the project, dated 30 December 1993.

Briefly, work performed during the quarter on the project includes: 1) groundwater sampling of selected residential wells; 2) groundwater sampling of on-site monitoring wells; 3) monitoring of water levels in on-site monitoring wells and Honeoye Creek.

Details on these tasks are included in this Progress Report. Copies of this report have been forwarded to NYSDEC (see below) as required by the Consent Order.

If you have any questions regarding the information in this report, please do not hesitate to contact us.

Sincerely yours,
H&A OF NEW YORK



Robert J. Mahoney
Senior Env. Geologist



Vincent B. Dick
Vice President

RJM:VBD:70372-48\quartr6.wpf

c: A. Joseph White, Div. Haz. Waste Remed., NYSDEC (4 copies, one unbound)
Director, Bur. Environ. Exposure Investigation, NYSDOH (2 copies)
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I. INTRODUCTION

This report has been prepared to document recent project activities for the Remedial Investigation/Feasibility Study (RI/FS) being performed at the Enarc-O Machine Products, Inc. facility. The site is located in Lima, New York, as shown on Figure 1. This report is the sixth quarterly progress report to be prepared in accordance with the NYSDEC Order on Consent No. B-0112-91-04 for the site.

The site is owned by Kaddis Manufacturing Corporation (Kaddis) of Rochester, New York. The RI/FS is being performed for Kaddis by H&A of New York (H&A) of Rochester, New York.

This report presents results of field and laboratory investigations during the period 3 June 1995 through 3 September 1995.

II. ACTIONS TAKEN

Project activities conducted during the reporting period consisted of:

- On- and off-site residential well and sump groundwater sampling and analyses;
- Water level measurements in Honeoye Creek and on-site monitoring wells.

Groundwater Sampling

Quarterly groundwater quality sampling was conducted on 22 and 23 August 1995 by H&A in six selected off-site residential wells, the Enarc-O supply well and all onsite monitoring wells, and the basement sump at 7883 Martin Road. The purpose of the groundwater sampling was to determine the present extent of groundwater contamination across the Enarc-O study area, and to obtain additional data to compare with the April 1995 groundwater sampling event.

Groundwater sampling results from the first residential sampling event indicated contaminant levels in several offsite wells to be non-detectable or below drinking water standards. Results of the sampling and analysis were discussed in a meeting at H&A of New York's office on 3 August 1995 with Gardiner Cross and Martin Doyle of NYSDEC (the analytical results had been transmitted to NYSDEC in a letter dated 23 May 1995).

Based on the previous data H&A proposed, at the meeting with NYSDEC, reducing the number of wells for this quarterly sampling event. H&A received verbal approval to reduce the number of wells for sampling in a telephone conversation with Mr. Martin Doyle of NYSDEC on 18 August 1995. NYSDEC requested that one sample per well be taken at the depth where the previous sampling results indicated the highest volatile organic (VOC) concentrations to occur. In addition, NYSDEC requested that an additional sample be obtained and analyzed from the basement sump at the 7883 Martin Road residence.

Table 1 presents a summary of the sample elevations and measured groundwater elevations at each offsite well. It should be noted that two sampling elevations were modified based on the agreement that each sample would be taken from the elevation that yielded the highest VOC value in April 1995. The sample at 1146 Ideson Road, originally proposed for el. 640 was obtained at el. 600 and the sample from the Enarc-O supply well was changed from el. 637 to el. 621. These sample depths were revised due to the deeper static water levels in the wells at the time of sampling.

The analytical results from the August 1995 sampling were not available at the time this report was prepared to allow submittal. The results will be available for the next quarterly submittal.

Stream and Groundwater Level Monitoring

Water levels in the onsite monitoring wells and Honeoye Creek were measured periodically during this quarter. Hydrographs depicting groundwater and stream level elevations over time are presented in Appendix B.



III. DELIVERABLES

In accordance with the consent order requirements, Quarterly Report No. 5, for the reporting period 3 March 1995 to 3 June 1995, was provided to NYSDEC and the consent order mailing list parties on 8 June 1995. No other deliverables were warranted during this quarter.

IV. FUTURE ACTIVITIES

It is anticipated that the following field work, as proposed in the work plan, will be performed in the next quarter:

- additional residential well sampling, if required by NYSDEC;
- additional sampling of onsite monitoring wells, if required by NYSDEC; and
- additional water level and stream gauge data collection.

Based on the anticipated completion date of the field work and other tasks, completion of the RI report is expected to occur by the end of 1995.

In addition, the following activities will be initiated during the next quarter, after the August 1995 analytical results are received and validated from the completed sampling:

- Environmental Risk Assessment (resource hazard evaluation); and
- Health Risk Assessment.

As discussed with NYSDEC representatives during the 3 August meeting at H&A, Kaddis desires to install an interim remedial measure (IRM) in the onsite source area. H&A is currently evaluating soil vapor extraction as a potential IRM. Kaddis desires to perform the IRM activities as a "presumptive remedy," prior to, or in lieu of, a formal feasibility study. Accordingly, H&A will prepare a Work Plan for the IRM for review by NYSDEC. In addition, a supplement or revision to the Consent Order for the project is in progress by Kaddis' attorney and the NYSDEC Division of Environmental Enforcement.

V. WORK SCHEDULE AND PERCENT COMPLETION

A project schedule and list of work tasks is shown in Figure 2. The following 15 work tasks have been completed:

- site survey and base map preparation;
- on-site monitoring well installations;
- source area soil vapor study;
- delineation phase soil vapor study;
- stream staff gauge installation;
- off-site residential soil sampling;
- Enarc-O septic tank sampling;
- first four quarterly on-site monitoring well sampling events;
- on-site well permeability testing (rising head tests);
- ecological site evaluation portion of the environmental risk assessment;
- residential well field evaluation;
- residential well preparation, including pump-pulling;
- residential well geophysical logging; and
- residential well elevation survey;
- two quarterly residential well groundwater sampling events.

H&A estimates that the Remedial Investigation is more than 75% done, with approximately 15 of 21 estimated tasks completed (see Figure 2).

VI. WORK PLAN MODIFICATION

Modification to the work plan during this quarter consisted of the following a reduction in the number of offsite wells sampled and analyzed, as discussed in detail in Section 2.

VII. CITIZEN PARTICIPATION PLAN ACTIVITIES

Prior to conducting the residential well sampling, H&A provided each resident whose well was sampled in April 1995 with a list of contacts who could be of help regarding the sampling results, including NYSDEC Citizen Participation Specialist, Linda Vera, and provided the resident with the appropriate phone number to contact Ms. Vera. In the event that other residents similarly request the results from the sampling event, H&A will again refer them to the NYSDEC Citizen Participation Specialist.

No other Citizen Participation Plan activities (i.e. public meetings) were scheduled or conducted during the past quarter. None are currently scheduled for the next quarter.

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Tables

Tables

TABLE 1
OFF-SITE RESIDENTIAL WELL SAMPLING ELEVATIONS

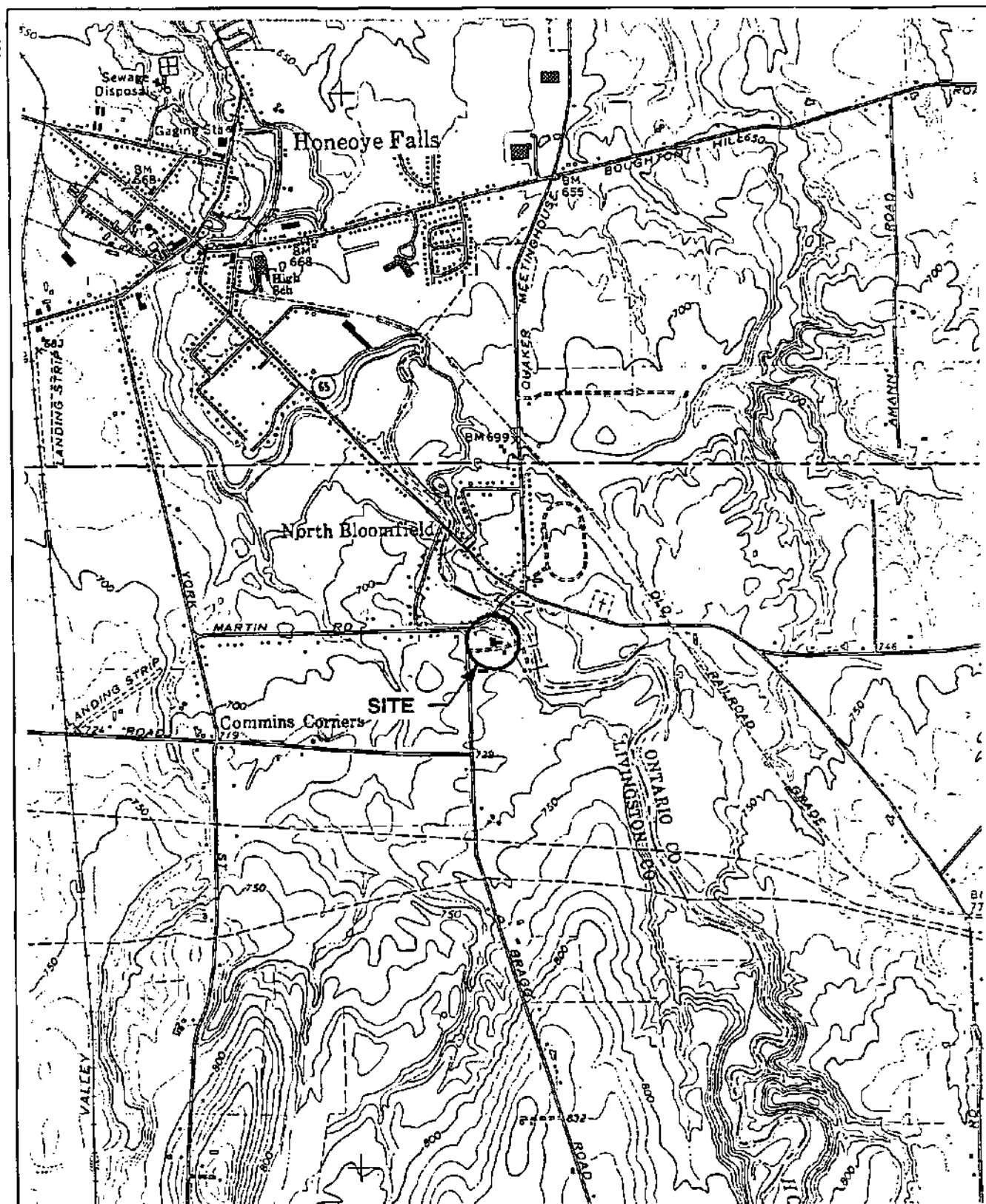
ADDRESS (OWNER)	WELL ELEVATIONS (ft.)			10-14 APRIL 1995		22-23 AUGUST 1995	
	TOP OF CASING	BOTTOM OF CASING	APPROX. WELL BOTTOM	WATER ELEV.	SAMPLED ELEVATIONS	WATER ELEV.	SAMPLED ELEVATION
LOGGED WELLS:							
1081 Ideson	685.64	672.5	603	644.68	640; 607	NS	NS
1121 Ideson	691.75	684	572	644.90	673 (casc.); 605	NM	673 (cascade)
7820 Martin	704.15	680	580	644.70	640; 583	NS	NS
Enarc - O Supply Well	719.88	687	535	644.20	637; 598; 540	627.26	621
7873 Martin	693.61	687	583	646.77	637; 592	NM	592
UNLOGGED WELLS:							
1090 Ideson	697.44	unknown	574	644.58	640; 600	NS	NS
1116 Ideson	697.92	unknown	572	644.82	640; 600	NS	NS
1146 Ideson	703.46	unknown	578	644.76	640; 600	627.48	600
7852 Martin	713.79	unknown	573	689.06	640; 600	686.90	640
7880 Martin	707.93	unknown	558	645.28	640; 600; 565	627.44	600
1167 Bragg	715.30	unknown	584	644.82	640; 600	627.38	600
1191 Bragg	714.32	unknown	637	692.04	685; 640	NS	NS
7883 Martin (sump)	NM	NM	NM	NS	NS	NM	grab

NOTES:

1. Top of casing elevations surveyed by D.J. Parrone on 22 December 1994.
2. Refer to text for discussion of sampling elevations.
3. NS - Not Sampled.
4. NM - Not Measured.

Figures

169859



LATITUDE: 42° 56' 13"N LONGITUDE: 77° 34' 33"W



QUADRANGLE LOCATION

U.S.G.S. QUADRANGLE: HONEOYE FALLS, N.Y.

H & A OF NEW YORK



Geotechnical Engineers & Environmental Consultants

ENARC-O MACHINE PRODUCTS
LIMA, NEW YORK

PROJECT LOCUS

SCALE: 1 IN. = 2000 FT.

FEBRUARY 1993

FILE NO. 70372-40

FIGURE 1

BNARC-O MACHINE PRODUCTS, INC.
LIMA, NEW YORK
REMEDIAL INVESTIGATION QUARTERLY REPORT NO.5
PROJECT SCHEDULE
(revised 9/6/95)

	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
TASK	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	MONTH 10	MONTH 11	MONTH 12	MONTH 13	MONTH 14	MONTH 15	MONTH 16	MONTH 17	MONTH 18
1. WORK PLAN APPROVAL/PUBLIC MTG. COMPLETION	complete																	
2. WELL DATA SURVEY									complete									
3. RE-SURVEY, BASE MAP PREPARATION					complete													
4. GEOPHYSICAL LOGGING											complete							
5. WELL SAMPLING/ANALYSIS ON-SITE																		
6. WELL SAMPLING/ANALYSIS OFF-SITE																		
7. SOIL GAS SURVEYS				complete														
8. MONITORING WELL INSTALLATION				complete														
9. NEW WELLS SAMPLE/ANALYSIS																		
10. HYDROGEOLOGIC TESTING				complete														
11. STREAM GAUGE INSTALL./MEASUREMENT																		
12. SEPTIC TANK/OFF-SITE SURFACE SOIL SAMPLING				complete														
13. ENVIRON. & HEALTH RISK ASSESSMENTS																		
14. DATA REDUCTION/VALIDATION																		
15. RI REPORT PREP/SUBMITTAL																		
16. AGENCY REVIEW/COMMENT/APPROVE																		
17. IRM/FOCUSSED PS EVALUATION																		
18. AGENCY REVIEW/COMMENT/APPROVE																		
19. FULL PS PREP																		
20. AGENCY REVIEW/COMMENT																		
21. FINAL PS APPROVE																		
22. RECORD OF DECISION																		

NYSDEC Notice -
To Proceed

LEGEND:

 ORIGINAL SCHEDULE
 ACTUAL SCHEDULE

FIGURE 2

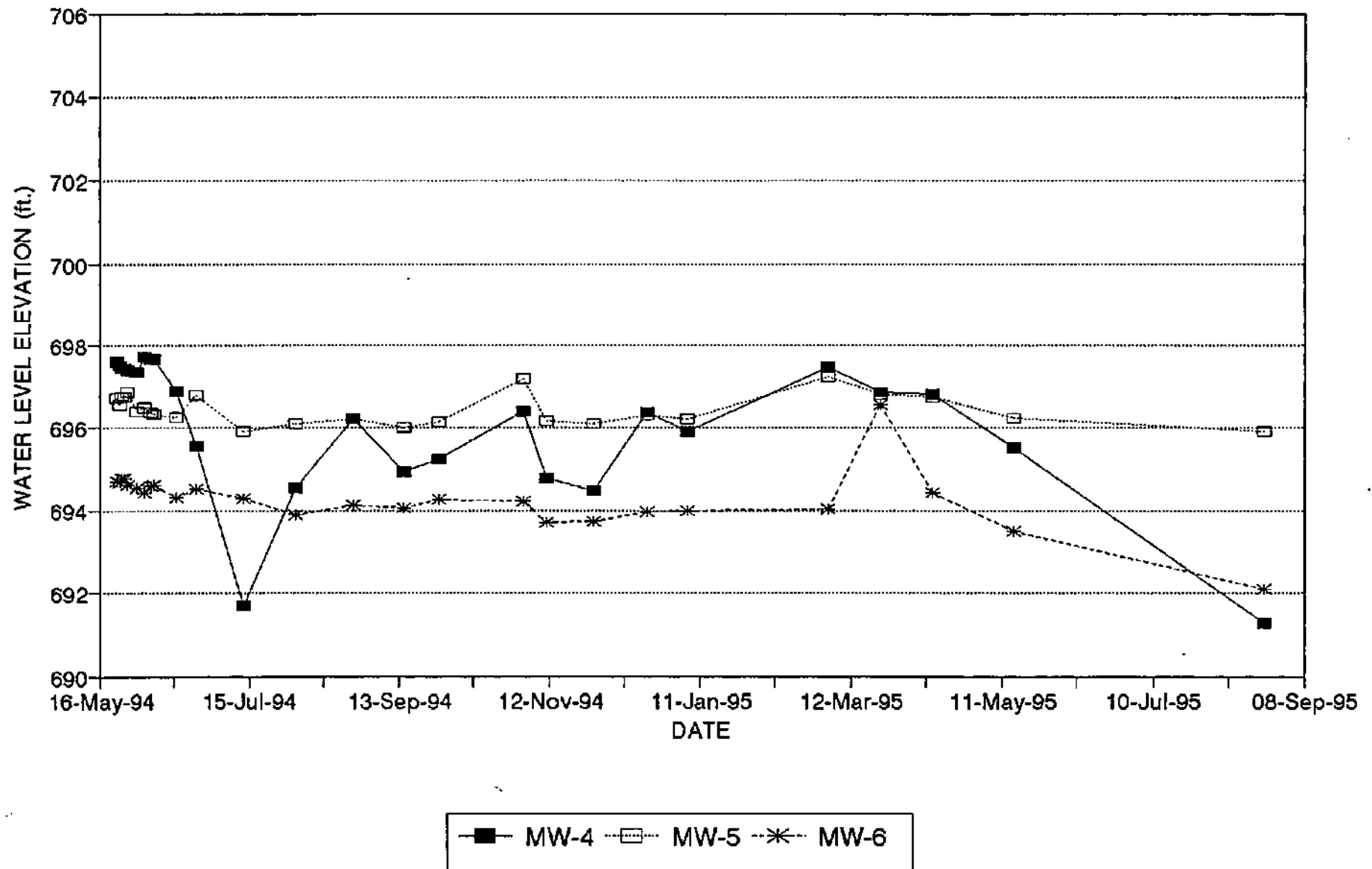
APPENDIX A

Hydrographs for Honeoye Creek and On-site Monitoring Wells

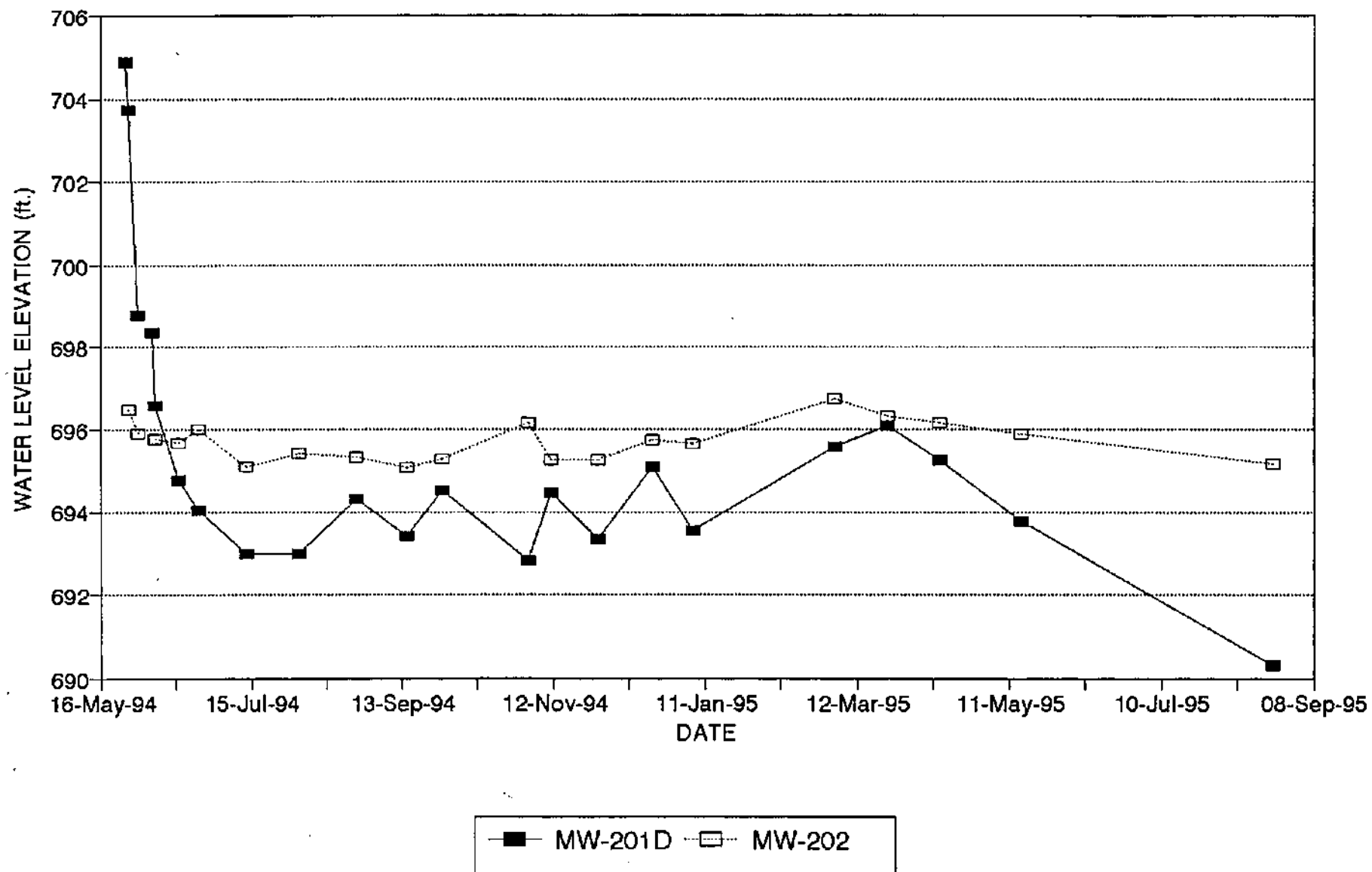


DATE	MW-1 (ft.)	MW-2 (ft.)	MW-3 (ft.)
16-May-94	696.5	697.0	700.5
23-May-94	696.0	697.0	700.5
30-May-94	696.0	696.5	698.5
06-Jun-94	695.8	696.2	697.8
13-Jun-94	695.7	697.2	694.0
20-Jun-94	695.5	695.8	692.5
27-Jun-94	696.0	696.2	696.5
04-Jul-94	696.2	696.0	700.5
11-Jul-94	696.1	695.9	700.5
18-Jul-94	696.2	696.2	700.5
25-Jul-94	696.5	697.6	700.5
01-Aug-94	696.2	696.2	700.5
08-Aug-94	696.2	696.2	700.5
15-Aug-94	696.2	696.2	700.5
22-Aug-94	696.2	696.2	700.5
29-Aug-94	696.2	696.2	700.5
05-Sep-94	696.2	696.2	700.5
12-Sep-94	696.2	696.2	700.5
19-Sep-94	696.2	696.2	700.5
26-Sep-94	696.2	696.2	700.5
03-Oct-94	696.2	696.2	700.5
10-Oct-94	696.2	696.2	700.5
17-Oct-94	696.2	696.2	700.5
24-Oct-94	696.2	696.2	700.5
31-Oct-94	696.2	696.2	700.5
07-Nov-94	696.2	696.2	700.5
14-Nov-94	696.2	696.2	700.5
21-Nov-94	696.2	696.2	700.5
28-Nov-94	696.2	696.2	700.5
05-Dec-94	696.2	696.2	700.5
12-Dec-94	696.2	696.2	700.5
19-Dec-94	696.2	696.2	700.5
26-Dec-94	696.2	696.2	700.5
02-Jan-95	696.2	696.2	700.5
09-Jan-95	696.2	696.2	700.5
16-Jan-95	696.2	696.2	700.5
23-Jan-95	696.2	696.2	700.5
30-Jan-95	696.2	696.2	700.5
06-Feb-95	696.2	696.2	700.5
13-Feb-95	696.2	696.2	700.5
20-Feb-95	696.2	696.2	700.5
27-Feb-95	696.2	696.2	700.5
06-Mar-95	696.2	696.2	700.5
13-Mar-95	696.2	696.2	700.5
20-Mar-95	696.2	696.2	700.5
27-Mar-95	696.2	696.2	700.5
04-Apr-95	696.2	696.2	700.5
11-Apr-95	696.2	696.2	700.5
18-Apr-95	696.2	696.2	700.5
25-Apr-95	696.2	696.2	700.5
02-May-95	696.2	696.2	700.5
09-May-95	696.2	696.2	700.5
16-May-95	696.2	696.2	700.5
23-May-95	696.2	696.2	700.5
30-May-95	696.2	696.2	700.5
06-Jun-95	696.2	696.2	700.5
13-Jun-95	696.2	696.2	700.5
20-Jun-95	696.2	696.2	700.5
27-Jun-95	696.2	696.2	700.5
04-Jul-95	696.2	696.2	700.5
11-Jul-95	696.2	696.2	700.5
18-Jul-95	696.2	696.2	700.5
25-Jul-95	696.2	696.2	700.5
01-Aug-95	696.2	696.2	700.5
08-Aug-95	696.2	696.2	700.5
15-Aug-95	696.2	696.2	700.5
22-Aug-95	696.2	696.2	700.5
29-Aug-95	696.2	696.2	700.5
05-Sep-95	696.2	696.2	700.5
12-Sep-95	696.2	696.2	700.5
19-Sep-95	696.2	696.2	700.5
26-Sep-95	696.2	696.2	700.5
03-Oct-95	696.2	696.2	700.5
10-Oct-95	696.2	696.2	700.5
1			

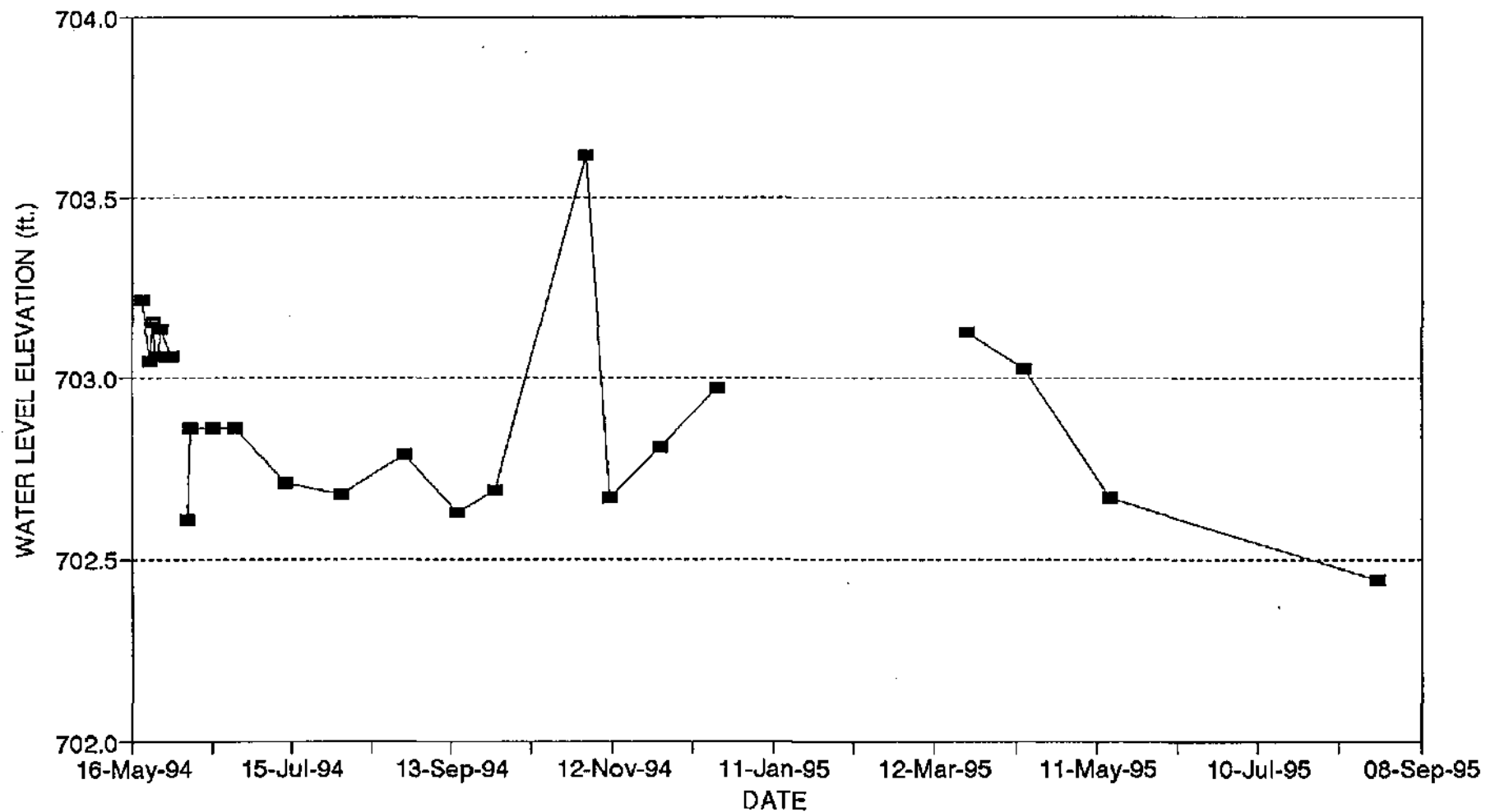
WELL HYDROGRAPHS ENARC-O MACHINE PRODUCTS



WELL HYDROGRAPHS ENARC-O MACHINE PRODUCTS



WELL HYDROGRAPHS
ENARC-O MACHINE PRODUCTS



—■— STREAM

