SEP 28 1992

HERCULES

Hercules Incorporated
Hercules Plaza
Wilmington, DE 19894-0001
(302) 594-5000
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September 24, 1992

State of Vermont
Agency of Natural Resources
Department of Environmental Conservation
103 South Main St., West Bldg.
Waterbury, VT 05676

Attention: Mr. Michael W. Young, Assistant Hazardous Material Specialist

Subject: Simmonds Precision, Plant 2 - Vergennes, VT
Quarterly Monitoring Results - 3Q 1992

Dear Mr. Young:

In accordance with your letter of July 29, 1992, we are providing quarterly monitoring data for the referenced site (site #92-1213). As you will note, monitor well ERM-1 was not sampled. The well was dry, likely due to seasonal fluctuation, therefore a sample was not obtained.

Wells ERM-2 and ERM-3 were analyzed for volatiles (method 8240) and TPH (method 418.1). The only parameter detected was TPH at 3 ppm in ERM-3. A summary table, and the lab data sheets are attached.

The wells will be sampled again in the 4th quarter of 1992. Feel free to contact the undersigned if you have any questions.

Sincerely,

Dana A. LeSage
Sr. Environmental Engineer
Environmental Affairs Dept.

DAL
ver3q.doc

cc: J. Lord - Simmonds, Vergennes

SEP 28 1992

SIMMONDS PRECISION - VERGENNES, VT
PLANT #2

GROUNDWATER RESULTS - 3Q 1992

	ERM-1	ERM-2	ERM-2R	ERM-3	TRIP BLANK
Volatile Organics (ug/l)	NT	ND	ND	ND	ND
TPH (mg/l)	NT	ND	NT	3	NT

NT - Not Tested
ND - Not Detected

SEP 28 1992

IEA
An Aquarion Company

IEA LABORATORY RESULTS

Report Date: 09/11/92
Client: Wehran Engineering
Project: 00445.30

Received Date: 08/27/92
IEA Job Number: W110-014

Sample #	Client ID	Parameter	Results	PQL	Date Analyzed
2	ERM-3	TPH-IR	3.0 mg/L	0.86 mg/L	09/10/92
3	ERM-2	TPH-IR	BQL	0.3 mg/L	09/10/92

COMMENTS:

PQL = Practical Quantitation Limit
BQL = Below Quantitation Limit
Quantitation limits adjusted for sample volume and dilution.

FORM TPHRES Rev. 061692

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SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 1 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-01
Project:	00445.30	Sample:	Trip Blank
Report Date:	09/08/92	Type:	Water
Collected:	08/26/92	Container:	VOA
Received:	08/27/92		
Analyzed:	09/03/92	Dilution	
By:	JAG	Factor:	1

Priority Pollutant Compounds

Number	Compound	PQL (ug/L)	Result (ug/L)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	trans-1,2-Dichloroethene	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	Methylene chloride	5	BQL
24	1,1,2,2-Tetrachloroethane	5	BQL
25	Tetrachloroethene	5	BQL
26	Toluene	5	BQL
27	1,1,1-Trichloroethane	5	BQL
28	1,1,2-Trichloroethane	5	BQL
29	Trichloroethene	5	BQL
30	Trichlorofluoromethane	5	BQL
31	Vinyl chloride	10	BQL

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SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 2 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-01
Project:	00445.30	Sample:	Trip Blank

Number	Compound	PQL (ug/L)	Result (ug/L)
Other TCL Compounds:			
32	Acetone	100	BQL
33	2-Butanone	100	BQL
34	Carbon disulfide	5	BQL
35	1,2-Dibromoethane	5	BQL
36	2-Hexanone	50	BQL
37	Methyl-t-butylether	5	BQL
38	4-Methyl-2-pentanone	50	BQL
39	Styrene	5	BQL
40	Vinyl Acetate	50	BQL
41	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	100 %
Toluene-d8	106 %
Bromofluorobenzene	107 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.

IEA
An Aquarion Company

SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 1 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-02
Project:	00445.30	Sample:	ERM-3
Report Date:	09/08/92	Type:	Water
Collected:	08/26/92	Container:	VOA
Received:	08/27/92		
Analyzed:	09/03/92	Dilution	
By:	JAG	Factor:	1

Priority Pollutant Compounds

Number	Compound	PQL (ug/L)	Result (ug/L)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	trans-1,2-Dichloroethene	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	Methylene chloride	5	BQL
24	1,1,2,2-Tetrachloroethane	5	BQL
25	Tetrachloroethene	5	BQL
26	Toluene	5	BQL
27	1,1,1-Trichloroethane	5	BQL
28	1,1,2-Trichloroethane	5	BQL
29	Trichloroethene	5	BQL
30	Trichlorofluoromethane	5	BQL
31	Vinyl chloride	10	BQL

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An Aquarion Company

SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 2 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-02
Project:	00445.30	Sample:	ERM-3

Number	Compound	PQL (ug/L)	Result (ug/L)
Other TCL Compounds:			
32	Acetone	100	BQL
33	2-Butanone	100	BQL
34	Carbon disulfide	5	BQL
35	1,2-Dibromoethane	5	BQL
36	2-Hexanone	50	BQL
37	Methyl-t-butylether	5	BQL
38	4-Methyl-2-pentanone	50	BQL
39	Styrene	5	BQL
40	Vinyl Acetate	50	BQL
41	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	96 %
Toluene-d8	104 %
Bromofluorobenzene	107 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.

IEA
An Aquarion Company

SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 1 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-03
Project:	00445.30	Sample:	ERM-2
Report Date:	09/08/92	Type:	Water
Collected:	08/26/92	Container:	VOA
Received:	08/27/92		
Analyzed:	09/03/92	Dilution	
By:	JAG	Factor:	1

Priority Pollutant Compounds

Number	Compound	PQL (ug/L)	Result (ug/L)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	trans-1,2-Dichloroethene	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	Methylene chloride	5	BQL
24	1,1,2,2-Tetrachloroethane	5	BQL
25	Tetrachloroethene	5	BQL
26	Toluene	5	BQL
27	1,1,1-Trichloroethane	5	BQL
28	1,1,2-Trichloroethane	5	BQL
29	Trichloroethene	5	BQL
30	Trichlorofluoromethane	5	BQL
31	Vinyl chloride	10	BQL

IEA
An Aquarion Company

SEP 28 1992

Analysis Report: EPA Method 8240
(PAGE 2 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-03
Project:	00445.30	Sample:	ERM-2

Number	Compound	PQL (ug/L)	Result (ug/L)
Other TCL Compounds:			
32	Acetone	100	BQL
33	2-Butanone	100	BQL
34	Carbon disulfide	5	BQL
35	1,2-Dibromoethane	5	BQL
36	2-Hexanone	50	BQL
37	Methyl-t-butylether	5	BQL
38	4-Methyl-2-pentanone	50	BQL
39	Styrene	5	BQL
40	Vinyl Acetate	50	BQL
41	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	99 %
Toluene-d8	104 %
Bromofluorobenzene	106 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.

IEA
An Aquarion Company

SEP 18 1992

Analysis Report: EPA Method 8240
(PAGE 1 OF 2 PAGES)

Client:	Wehran Engineering	IEA ID:	W110-014-04
Project:	00445.30	Sample:	ERM-2R
Report Date:	09/08/92	Type:	Water
Collected:	08/26/92	Container:	VOA
Received:	08/27/92		
Analyzed:	09/03/92	Dilution	
By:	JAG	Factor:	1

Priority Pollutant Compounds

Number	Compound	PQL (ug/L)	Result (ug/L)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	trans-1,2-Dichloroethene	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	Methylene chloride	5	BQL
24	1,1,2,2-Tetrachloroethane	5	BQL
25	Tetrachloroethene	5	BQL
26	Toluene	5	BQL
27	1,1,1-Trichloroethane	5	BQL
28	1,1,2-Trichloroethane	5	BQL
29	Trichloroethene	5	BQL
30	Trichlorofluoromethane	5	BQL
31	Vinyl chloride	10	BQL

IEA
An Aquarion Company

Analysis Report: EPA Method 8240

Client:	Wehran Engineering	IEA ID:	W110-014-04
Project:	00445.30	Sample:	ERM-2R

Number	Compound	PQL (ug/L)	Result (ug/L)
Other TCL Compounds:			
32	Acetone	100	BQL
33	2-Butanone	100	BQL
34	Carbon disulfide	5	BQL
35	1,2-Dibromoethane	5	BQL
36	2-Hexanone	50	BQL
37	Methyl-t-butylether	5	BQL
38	4-Methyl-2-pentanone	50	BQL
39	Styrene	5	BQL
40	Vinyl Acetate	50	BQL
41	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	99 %
Toluene-d8	104 %
Bromofluorobenzene	106 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.

IEA
An Aquarion Company
149 Rangeway Road
N. Billerica, Massachusetts 01862
617 / 272-5212
Fax 508 / 667-7871
1-800-950-5212

CHAIN OF CUSTODY RECORD

REGULATORY CLASSIFICATION - PLEASE SPECIFY

☐ NPDES ☐ DRINKING WATER ☐ RCRA ☐ OTHER _____

REQUIRED

CUST. P.O. # _____

TURN AROUND

☐ 15 BUSINESS DAY
☑ 10 BUSINESS DAY
☐ RUSH _____
☐ OTHER _____

COMPANY	CONTACT PERSON	PROJECT I.D.	PHONE #	FAX #
Wehran Engineering	Joe Hayes	00445.30	802/[redacted] 658-6884	802/658-5014

ADDRESS	CITY	STATE	ZIP
Chace Mill 3-20 1 Mill St.	Burlington	VT	05401

DATE	TIME	SAMPLE I.D.	MATRIX	CONTAINER TYPE	# OF CONTAINERS	PRESERVATIVE	(VOCs) 8240	(TPH-IR) 418.1							(COMMENTS)
8/26/92	8:00	~~Field~~ Trip blank	H_2O	40ml VOA	2	None	X								W110-014
8/26/92	11:30	ERM-3	"	"	"	"	X							8/27/92	Label this TRIP Blank as ID
8/26/92	11:30	ERM-3	"	1 l	1	"		X							ERM 3 sample for TPH, Total Metals & 2-400ml in 1 l bottle
8/26/92	12:00	ERM-2	"	40ml VOA	2	"	X								
8/26/92	12:00	ERM-2	"	1 l	1	"		X							
8/26/92	12:00	ERM-2R	"	40ml VOA	2	"	X								

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY	DATE / TIME
Joseph Hayes	8/26/92, 3:30		

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LAB BY	DATE / TIME
		Michael Schroeder	8-27-92/0940

IEA USE ONLY

8/27/92 Joe Hayes Hand carried Field Blank, Trip Blank, Sample Sheet to IEA. DLAM Rec'd Field Blank on per C/O

FIELD REMARKS

Shipped by Federal Express on 8-26-92 JH