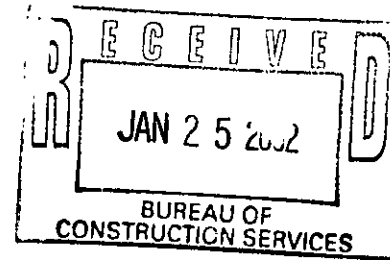


report.hw 734 052. 2002. Site
management.pdf



O'BRIEN & GERE
ENGINEERS, INC.

January 21, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for December 2001. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of December 31, 2001, a total of 45,707,830 gallons of groundwater has been treated since startup on February 5, 1996. Since December 3, 2001, 444,520 gallons of groundwater was treated; 311,990 gallons from recovery well RW-1, 132,510 gallons from recovery well RW-2, and 20 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No water was recovered from the sump located outside the northeast corner of the building.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in December 2001 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. On December 19, O'Brien & Gere replaced the spent carbon in granular activated carbon (GAC) vessel number 2. Subsequent to replacing the GAC in unit 2, vessel number 1 was placed into lead service and vessel number 2 was placed in lag service.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

January 21, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Dave Carnevale at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\12-2001MOR.doc

Attachments

cc: A. English – NYSDEC
C. Branagh, P.E. – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
M. Peters, Esq – LeBoeuf, Lamb, Greene & MacRae
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	12/04/2001	12/05/2001	12/06/2001	12/11/2001
Flow (GPD)	Monitor	150000	Continuous	Meter	15660	---	15840	15700
pH (SU)	6.5 - 8.5		2/Week	Grab	8.26	---	8.26	8.26
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	5 U	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	960	---	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	---	.0002 U	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	---	.03	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	50 U	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	50 U	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	---	2.0 U	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	---	50 U	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	---	50 U	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	50 U	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	50 U	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	---	10 U	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	---	5.0 U	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	---	5.0 U	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 12/12/2001	Effluent 12/13/2001	Effluent 12/18/2001	Effluent 12/19/2001	Effluent 12/20/2001	Effluent 12/26/2001	Effluent 12/27/2001	Effluent 01/02/2002
Flow (GPD)	---	15590	15780	---	15760	16088	16190	16243
pH (SU)	---	8.27	8.34	---	8.50	8.41	8.39	8.34
Residue, non-filterable (mg/L)	5 U	---	---	5 U	---	5 U	---	---
Total dissolved solids (TDS) (mg/L)	930	---	---	870	---	900	---	---
CBOD5 (mg/L)	---	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	---	.0002 U	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	---	.02	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	---	.50 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	---	.50 U	---	---	---	---
Methylene chloride (ug/L)	---	---	---	2.0 U	---	---	---	---
1,1,1,2-Tetrachloroethane (ug/L)	---	---	---	.50 U	---	---	---	---
Tetrachloroethene (ug/L)	---	---	---	.50 U	---	---	---	---
Toluene (ug/L)	---	---	---	.50 U	---	---	---	---
Trichloroethene (ug/L)	---	---	---	.50 U	---	---	---	---
Acetone (ug/L)	---	---	---	10 U	---	---	---	---
2-Hexanone (ug/L)	---	---	---	5.0 U	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	---	5.0 U	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORTS**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 648
Sample: T6418
Samp. Description: WTP Effluent
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 QC Batch: 120601W4
Prepared: 12/07/01 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	12/07/01	
Methylene chloride	<2.0		1	12/07/01	
trans-1,2-Dichloroethene	<.50		1	12/07/01	
cis-1,2-Dichloroethene	<.50		1	12/07/01	
Trichloroethene	<.50		1	12/07/01	
4-Methyl-2-pentanone	<5.0		1	12/07/01	
Toluene	<.50		1	12/07/01	
2-Hexanone	<5.0		1	12/07/01	
Tetrachloroethene	<.50		1	12/07/01	
1,1,2,2-Tetrachloroethane	<.50		1	12/07/01	
Dibromofluoromethane (surrogate)	100.%	70 - 131	1	12/07/01	
1,2-Dichloroethane-d4 (surrogate)	101.%	81 - 120	1	12/07/01	
Toluene-d8 (surrogate)	102.%	83 - 117	1	12/07/01	
Bromofluorobenzene (surrogate)	97.%	78 - 119	1	12/07/01	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: December 13, 2001 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 648
Sample: T6419
Samp. Description: WTP Influent
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 QC Batch: 120601W4
Prepared: 12/07/01 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Acetone	<500.		50	12/07/01
Methylene chloride	<100.		50	12/07/01
trans-1,2-Dichloroethene	<25.		50	12/07/01
cis-1,2-Dichloroethene	<25.		50	12/07/01
Trichloroethene	550.		50	12/07/01
4-Methyl-2-pentanone	<250.		50	12/07/01
Toluene	<25.		50	12/07/01
2-Hexanone	<250.		50	12/07/01
Tetrachloroethene	<25.		50	12/07/01
1,1,2,2-Tetrachloroethane	<25.		50	12/07/01
Dibromofluoromethane (surrogate)	103. %	70 - 131	50	12/07/01
1,2-Dichloroethane-d4 (surrogate)	102. %	81 - 120	50	12/07/01
Toluene-d8 (surrogate)	99. %	83 - 117	50	12/07/01
Bromofluorobenzene (surrogate)	97. %	78 - 119	50	12/07/01

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: December 13, 2001 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 648
Sample: T6420
Samp. Description: WTP Between Carbons
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 QC Batch: 120601W4
Prepared: 12/07/01 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	12/07/01
Methylene chloride	<2.0		1	12/07/01
trans-1,2-Dichloroethene	<.50		1	12/07/01
cis-1,2-Dichloroethene	7.4		1	12/07/01
Trichloroethene	48.		1	12/07/01
4-Methyl-2-pentanone	<5.0		1	12/07/01
Toluene	<.50		1	12/07/01
2-Hexanone	<5.0		1	12/07/01
Tetrachloroethene	<.50		1	12/07/01
1,1,2,2-Tetrachloroethane	<.50		1	12/07/01
Dibromofluoromethane (surrogate)	102. %	70 - 131	1	12/07/01
1,2-Dichloroethane-d4 (surrogate)	96. %	81 - 120	1	12/07/01
Toluene-d8 (surrogate)	98. %	83 - 117	1	12/07/01
Bromofluorobenzene (surrogate)	95. %	78 - 119	1	12/07/01

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: December 13, 2001 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 648
Sample: T6420 DL
Samp. Description: WTP Between Carbons
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 QC Batch: 121201W4
Prepared: 12/13/01 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Acetone	<20.		2	12/13/01
Methylene chloride	<4.0		2	12/13/01
trans-1,2-Dichloroethene	<1.0		2	12/13/01
cis-1,2-Dichloroethene	5.4		2	12/13/01
Trichloroethene	33.		2	12/13/01
4-Methyl-2-pentanone	<10.		2	12/13/01
Toluene	<1.0		2	12/13/01
2-Hexanone	<10.		2	12/13/01
Tetrachloroethene	<1.0		2	12/13/01
1,1,2,2-Tetrachloroethane	<1.0		2	12/13/01
Dibromofluoromethane (surrogate)	110.%	70 - 131	2	12/13/01
1,2-Dichloroethane-d4 (surrogate)	107.%	81 - 120	2	12/13/01
Toluene-d8 (surrogate)	99.%	83 - 117	2	12/13/01
Bromofluorobenzene (surrogate)	96.%	78 - 119	2	12/13/01

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: December 13, 2001 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 648
Sample: T6421
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	12/13/01	12/13/01	121301W1	1	
Zinc	.03	200.7	12/11/01	12/14/01	121101W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: December 19, 2001 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 648
Sample: T6421
Samp. Description: WTP Effluent

Collected: 12/05/01 Matrix: Water
Received: 12/05/01 13:55

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	960. mg/L	EPA 160.1		12/06/01	120601W21	
Total suspended solids	<5. mg/L	EPA 160.2		12/09/01	120901W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: December 10, 2001 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 730
Sample: T6868
Samp. Description: WTP Effluent

Collected: 12/12/01 Matrix: Water
Received: 12/12/01 15:20

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	930. mg/L	EPA 160.1		12/14/01	121401W22	
Total suspended solids	<5. mg/L	EPA 160.2		12/14/01	121401W23	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: December 29, 2001 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 808
Sample: T7401
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/19/01 Matrix: Water
Received: 12/19/01 QC Batch: 121901W1
Prepared: 12/19/01 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	12/19/01
Methylene chloride	<2.0		1	12/19/01
trans-1,2-Dichloroethene	<.50		1	12/19/01
cis-1,2-Dichloroethene	<.50		1	12/19/01
Trichloroethene	<.50		1	12/19/01
4-Methyl-2-pentanone	<5.0		1	12/19/01
Toluene	<.50		1	12/19/01
2-Hexanone	<5.0		1	12/19/01
Tetrachloroethene	<.50		1	12/19/01
1,1,2,2-Tetrachloroethane	<.50		1	12/19/01
Dibromofluoromethane (surrogate)	109. %	70 - 131	1	12/19/01
1,2-Dichloroethane-d4 (surrogate)	107. %	81 - 120	1	12/19/01
Toluene-d8 (surrogate)	105. %	83 - 117	1	12/19/01
Bromofluorobenzene (surrogate)	103. %	78 - 119	1	12/19/01

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: December 20, 2001 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 808
Sample: T7402
Samp. Description: WTP Effluent - Composite

Collected: 12/19/01 Matrix: Water
Received: 12/19/01 11:42

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	870.	mg/L	EPA 160.1		12/21/01	122101W23	
Total suspended solids	<5.	mg/L	EPA 160.2		12/21/01	122101W24	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 2, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 808
Sample: T7402
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 12/19/01 Matrix: Water
Received: 12/19/01 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	12/29/01	12/29/01	122901W2	1	
Zinc	.02	200.7	12/21/01	12/31/01	122101W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 4, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

808

Client: <u>OGINA</u>						Analysis/Method									
Project: <u>Former Accurate Dis</u>						VOC 8260 TSS / TDS Zn, Hg									
Sampled by: <u>MARTIN KOENNECKE</u>															
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>															
Sample Description															
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers										
WTP EFFLUENT	12-19-01	8:50	WATER	GRAB	3	3									
WTP EFFLUENT	12-19-01	9:00	WATER	Comp	1		1								
WTP EFFLUENT	12-19-01	9:00	WATER	Comp	1			1							
Relinquished by: <u>Martin Koennecke</u> Date: <u>12-19-01</u> Time: <u>11:42</u>						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Mals F. Jackson</u> Date: <u>12/19/2001</u> Time: <u>11:42</u>									
Shipment Method: <u>HAND</u>						Airbill Number: _____									

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 30°

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 843
Sample: T7726
Samp. Description: WTP Effluent

Collected: 12/26/01 Matrix: Water
Received: 12/26/01 09:55

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	900.	mg/L	EPA 160.1		12/31/01	123101W22	
Total suspended solids	<5.	mg/L	EPA 160.2		12/31/01	123101W23	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 2, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: <u>OGINA</u>						Analysis/Method									
Project: <u>Former Accurate Die</u>						TSS/TDS									
Sampled by: <u>MARTIN Koennecke</u>															
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>															
Sample Description															
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers										
<u>WTP Effluent</u>	<u>12-26-01</u>	<u>9:15</u>	<u>Water</u>	<u>Comp</u>	<u>1</u>	<u>1</u>									
Relinquished by: <u>Matt Koennecke</u> Date: <u>12-26-01</u> Time: <u>9:55</u>						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>[Signature]</u> Date: <u>12/26/01</u> Time: <u>9:55</u>									
Shipment Method: <u>HAND</u>						Airbill Number: _____									

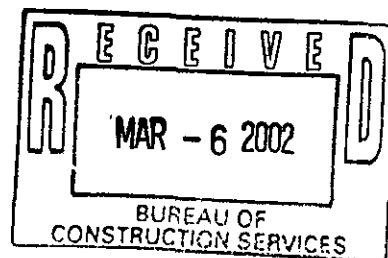
Turnaround Time Required:
 Routine X
 Rush (Specify) _____
 Cooler Temperature: 5°C

Comments: _____
 Original Laboratory Copy Client



O'BRIEN & GERE
ENGINEERS, INC.

February 28, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for January 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of January 31, 2002, a total of 46,213,680 gallons of groundwater has been treated since startup on February 5, 1996. Since December 31, 2001, 505,850 gallons of groundwater was treated; 345,170 gallons from recovery well RW-1, and 160,680 gallons from recovery well RW-2. No water was recovered from either the sump located outside the northeast corner of the building, or the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in January 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

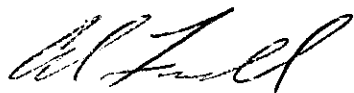
February 28, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.

Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\1-2002MOR.doc

Attachments

cc: A. English – NYSDEC
C. Branagh, P.E. – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
M. Peters, Esq – LeBoeuf, Lamb, Greene & MacRae
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	01/02/2002	01/03/2002	01/08/2002	01/10/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	---	16350	16430	16670
pH (SU)	6.5 - 8.5		2/Week	Grab	---	8.34	8.39	8.36
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	900	---	830	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	5 U	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	0.4 U	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	9.3 U	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	0.1 U	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 01/15/2002	Effluent 01/17/2002	Effluent 01/22/2002	Effluent 01/23/2002	Effluent 01/24/2002	Effluent 01/29/2002	Effluent 01/31/2002
Flow (GPD)	16240	16240	16350	---	16280	16270	15960
pH (SU)	8.34	8.34	8.36	---	8.36	8.36	8.32
Residue, non-filterable (mg/L)	5 U	---	---	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	870	---	---	960	---	910	---
CBOD5 (mg/L)	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---
Mercury, total (mg/L)	0.0002 U	---	---	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---
Zinc, total (mg/L)	0.01 U	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---	---	---	---
Methylene chloride (ug/L)	2.0 U	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	0.50 U	---	---	---	---	---	---
Tetrachloroethene (ug/L)	0.50 U	---	---	---	---	---	---
Toluene (ug/L)	0.50 U	---	---	---	---	---	---
Trichloroethene (ug/L)	0.50 U	---	---	---	---	---	---
Acetone (ug/L)	10 U	---	---	---	---	---	---
2-Hexanone (ug/L)	5.0 U	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	5.0 U	---	---	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 874
Sample: T8014
Samp. Description: WTP Effluent - Grab
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/02/02 Matrix: Water
Received: 01/02/02 QC.Batch: 010902W2
Prepared: 01/09/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	01/09/02	
Methylene chloride	<2.0		1	01/09/02	
trans-1,2-Dichloroethene	<.50		1	01/09/02	
cis-1,2-Dichloroethene	<.50		1	01/09/02	
Trichloroethene	<.50		1	01/09/02	
4-Methyl-2-pentanone	<5.0		1	01/09/02	
Toluene	<.50		1	01/09/02	
2-Hexanone	<5.0		1	01/09/02	
Tetrachloroethene	<.50		1	01/09/02	
1,1,2,2-Tetrachloroethane	<.50		1	01/09/02	
Dibromofluoromethane (surrogate)	106. %	70 - 131	1	01/09/02	
1,2-Dichloroethane-d4 (surrogate)	108. %	81 - 120	1	01/09/02	
Toluene-d8 (surrogate)	99. %	83 - 117	1	01/09/02	
Bromofluorobenzene (surrogate)	104. %	78 - 119	1	01/09/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: January 11, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 874
Sample: T8015
Samp. Description: WTP Influent
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/02/02 Matrix: Water
Received: 01/02/02 QC Batch: 011002W2
Prepared: 01/10/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog	Dilution	Analyzed	Notes
		Limits			
Acetone	<200.		20	01/10/02	
Methylene chloride	<40.		20	01/10/02	
trans-1,2-Dichloroethene	<10.		20	01/10/02	
cis-1,2-Dichloroethene	<10.		20	01/10/02	
Trichloroethene	530.		20	01/10/02	
4-Methyl-2-pentanone	<100.		20	01/10/02	
Toluene	<10.		20	01/10/02	
2-Hexanone	<100.		20	01/10/02	
Tetrachloroethene	<10.		20	01/10/02	
1,1,2,2-Tetrachloroethane	<10.		20	01/10/02	
Dibromofluoromethane (surrogate)	102. %	70 - 131	20	01/10/02	
1,2-Dichloroethane-d4 (surrogate)	105. %	81 - 120	20	01/10/02	
Toluene-d8 (surrogate)	97. %	83 - 117	20	01/10/02	
Bromofluorobenzene (surrogate)	100. %	78 - 119	20	01/10/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: January 11, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 874
Sample: T8016
Samp. Description: WTP Between Carbons
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/02/02 Matrix: Water
Received: 01/02/02 QC Batch: 010902W2
Prepared: 01/09/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	01/09/02	
Methylene chloride	<2.0		1	01/09/02	
trans-1,2-Dichloroethene	<.50		1	01/09/02	
cis-1,2-Dichloroethene	<.50		1	01/09/02	
Trichloroethene	<.50		1	01/09/02	
4-Methyl-2-pentanone	<5.0		1	01/09/02	
Toluene	<.50		1	01/09/02	
2-Hexanone	<5.0		1	01/09/02	
Tetrachloroethene	<.50		1	01/09/02	
1,1,2,2-Tetrachloroethane	<.50		1	01/09/02	
Dibromofluoromethane (surrogate)	101.%	70 - 131	1	01/09/02	
1,2-Dichloroethane-d4 (surrogate)	106.%	81 - 120	1	01/09/02	
Toluene-d8 (surrogate)	97.%	83 - 117	1	01/09/02	
Bromofluorobenzene (surrogate)	102.%	78 - 119	1	01/09/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: January 11, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Trace Metals**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 874
Sample: T8013
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/02/02 Matrix: Water
Received: 01/02/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	01/03/02	01/03/02	010302W1	1	
Zinc	<.01	200.7	01/03/02	01/17/02	010302W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 21, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Trace Metals**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 875
Sample: T8017
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/02/02 Matrix: Water
Received: 01/02/02 %Solids:
Number of analytes: 1

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Aluminum	<.1	200.7	01/11/02	01/17/02	011102W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 21, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 874
Sample: T8013
Samp. Description: WTP Effluent - Composite

Collected: 01/02/02 10:00 Matrix: Water
Received: 01/02/02 10:40

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
CBOD5	<5.	mg/L	SM5210B		01/03/02	010302W12	
Total Kjeldahl nitrogen	<.4	mg/L	EPA 351.2	01/11/02	01/15/02	011102W7	
Total dissolved solids	900.	mg/L	EPA 160.1		01/03/02	010302W30	
Total suspended solids	<5.	mg/L	EPA 160.2		01/03/02	010302W29	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: <u>OGINA</u>						Analysis/Method							
Project: <u>FORMER ACCURATE DIE</u>						TSS/TDS CBOD's TKN ALUMINUM ZN+HG+METALS VOCs EPA method 8260 D.O. Reading							
Sampled by: <u>MARTIN KOENNECKE</u>													
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>													
Sample Description													
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers								
WTP Effluent	1-2-02	10:00	WATER	COMP	5	1	1	1	1	1			
WTP Effluent	1-2-02	10:00	WATER	GRAB	2						2		
WTP Influent	1-2-02	10:00	WATER	GRAB	2						2		
WTP Between CARBONS	1-2-02	10:00	WATER	GRAB	2						2		
Relinquished by: <u>Matt Koennecke</u> Date: <u>1-2-02</u> Time: <u>10:40</u>						Received by: _____ Date: _____ Time: _____							
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____							
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Mark F. Jackson</u> Date: <u>1/2/2002</u> Time: <u>10:40</u>							
Shipment Method: <u>HAND</u>						Airbill Number: _____							

Turnaround Time Required:
Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 30°

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 911
Sample: T8146
Samp. Description: WTP Effluent

Collected: 01/08/02 Matrix: Water
Received: 01/08/02 11:50

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	830.	mg/L	EPA 160.1		01/09/02	010902W22	
Total suspended solids	<5.	mg/L	EPA 160.2		01/09/02	010902W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 21, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

911

[illegible]

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 980
Sample: T8580
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/15/02 Matrix: Water
Received: 01/15/02 QC Batch: 011702W1
Prepared: 01/17/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	01/17/02
Methylene chloride	<2.0		1	01/17/02
trans-1,2-Dichloroethene	<.50		1	01/17/02
cis-1,2-Dichloroethene	<.50		1	01/17/02
Trichloroethene	<.50		1	01/17/02
4-Methyl-2-pentanone	<5.0		1	01/17/02
Toluene	<.50		1	01/17/02
2-Hexanone	<5.0		1	01/17/02
Tetrachloroethene	<.50		1	01/17/02
1,1,2,2-Tetrachloroethane	<.50		1	01/17/02
Dibromofluoromethane (surrogate)	103.%	70 - 131	1	01/17/02
1,2-Dichloroethane-d4 (surrogate)	99.%	81 - 120	1	01/17/02
Toluene-d8 (surrogate)	101.%	83 - 117	1	01/17/02
Bromofluorobenzene (surrogate)	96.%	78 - 119	1	01/17/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci

Date: January 18, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 980
Sample: T8581
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 01/15/02 Matrix: Water
Received: 01/15/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	01/17/02	01/17/02	011702W2	1	
Zinc	<.01	200.7	01/17/02	01/21/02	011702W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 28, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 980
Sample: T8581
Samp. Description: WTP Effluent - Composite

Collected: 01/15/02 Matrix: Water
Received: 01/15/02 10:30

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	870.	mg/L	EPA 160.1		01/17/02	011702W26	
Total suspended solids	<5.	mg/L	EPA 160.2		01/17/02	011702W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: January 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: <u>OGINA</u>						Analysis/Method								
Project: <u>Former Accurate Die</u>						VOC's EPA Method 8260 TSS / TDS Hg + Zn								
Sampled by: <u>Martin Koennecke</u>														
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>														
Sample Description														
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments								
WTP EFFLUENT	1-15-02	9:50	water	GRAB	2	2								
WTP EFFLUENT	1-15-02	9:50	water	Comp	1		1							
WTP EFFLUENT	1-15-02	9:50	water	Comp	1			1						
Relinquished by: <u>Martin Koennecke</u> Date: <u>1-15-02</u> Time: <u>10:30</u>						Received by: _____ Date: _____ Time: _____								
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____								
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Mart F. Jackson</u> Date: <u>1/15/02</u> Time: <u>10:30</u>								
Shipment Method: <u>HAND</u>						Airbill Number: _____								

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:

Cooler Temperature: 30°

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1084
Sample: T9388
Samp. Description: WTP Effluent

Collected: 01/23/02 Matrix: Water
Received: 01/23/02 10:05

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	960.	mg/L	EPA 160.1		01/26/02	012602W22	
Total suspended solids	<5.	mg/L	EPA 160.2		01/26/02	012602W23	

Notes:

J-Estimated value

Authorized: 
Date: February 6, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc: .

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1140
Sample: T9802
Samp. Description: WTP Effluent

Collected: 01/29/02 Matrix: Water
Received: 01/29/02 14:05

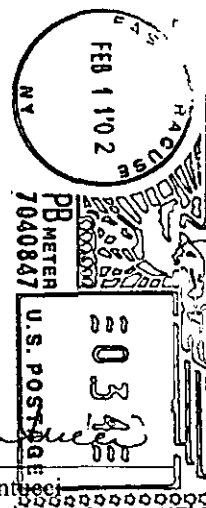
Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	910.	mg/L	EPA 160.1		02/04/02	020402W21	
Total suspended solids	<5.	mg/L	EPA 160.2		02/04/02	020402W23	

Notes:

J-Estimated value

Authorized: *Monika Santucci*
Date: February 9, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200



Chain of Custody

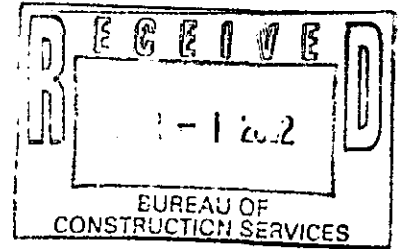
Client: OGINA						Analysis/Method													
Project: Former Accurate Dye						TSS/TDS													
Sampled by: MARTIN KOENNECKE																			
Client Contact: AL FARRELL Phone # 2316																			
Sample Description																			
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers								Comments						
WTP Effluent	1-29-02	12:30	water	COMP	1	1													
Relinquished by: Martin Koenecke						Date: 1-29-02 Time: 14:05						Received by:		Date:		Time:			
Relinquished by:						Date:						Time:		Received by:		Date:		Time:	
Relinquished by:						Date:						Time:		Received by Lab: [Signature]		Date: 1/29/02		Time: 14:05	
Shipment Method: HAND						Airbill Number:													

Cooler Temperature



O'BRIEN & GERE
ENGINEERS, INC.

March 28, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for February 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of March 1, 2002, a total of 46,710,330 gallons of groundwater has been treated since startup on February 5, 1996. Since January 31, 2002, 496,650 gallons of groundwater was treated; 322,510 gallons from recovery well RW-1, 174,110 gallons from recovery well RW-2, and 30 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No water was recovered from the sump located outside the northeast corner of the building.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in February 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

March 28, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Al Farrell', written in a cursive style.

Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\2-2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
M. Peters, Esq – LeBoeuf, Lamb, Greene & MacRae
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	02/05/2002	02/07/2002	02/12/2002	02/14/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	17450	17210	17071	17330
pH (SU)	6.5 - 8.5		2/Week	Grab	8.39	8.34	8.34	8.35
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	890	---	860	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 02/19/2002	Effluent 02/20/2002	Effluent 02/21/2002	Effluent 02/26/2002	Effluent 02/27/2002	Effluent 02/28/2002
Flow (GPD)	17260	---	18090	18370	---	18459
pH (SU)	8.32	---	8.34	8.34	---	8.34
Residue, non-filterable (mg/L)	---	5 U	---	---	5 U	---
Total dissolved solids (TDS) (mg/L)	---	870	---	---	840	---
CBOD5 (mg/L)	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---
Mercury, total (mg/L)	---	0.0002 U	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---
Zinc, total (mg/L)	---	0.01 U	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	0.50 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	0.50 U	---	---	---	---
Methylene chloride (ug/L)	---	2.0 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	0.50 U	---	---	---	---
Tetrachloroethene (ug/L)	---	0.50 U	---	---	---	---
Toluene (ug/L)	---	0.50 U	---	---	---	---
Trichloroethene (ug/L)	---	0.50 U	---	---	---	---
Acetone (ug/L)	---	10 U	---	---	---	---
2-Hexanone (ug/L)	---	5.0 U	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	5.0 U	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1203
Sample: U0082
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 QC Batch: 021302W1
Prepared: 02/13/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	02/13/02
Methylene chloride	<2.0		1	02/13/02
trans-1,2-Dichloroethene	<.50		1	02/13/02
cis-1,2-Dichloroethene	<.50		1	02/13/02
Trichloroethene	<.50		1	02/13/02
4-Methyl-2-pentanone	<5.0		1	02/13/02
Toluene	<.50		1	02/13/02
2-Hexanone	<5.0		1	02/13/02
Tetrachloroethene	<.50		1	02/13/02
1,1,2,2-Tetrachloroethane	<.50		1	02/13/02
Dibromofluoromethane (surrogate)	108.%	70 - 131	1	02/13/02
1,2-Dichloroethane-d4 (surrogate)	104.%	81 - 120	1	02/13/02
Toluene-d8 (surrogate)	97.%	83 - 117	1	02/13/02
Bromofluorobenzene (surrogate)	95.%	78 - 119	1	02/13/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: February 14, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1203
Sample: U0080
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 QC Batch: 022002W1
Prepared: 02/20/02 %Solids:
Analyzed: 02/20/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: February 20, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1203
Sample: U0080
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 QC Batch: 022002W1
Prepared: 02/20/02 %Solids:
Analyzed: 02/20/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	610.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	109. %		1	76 - 121	
Fluorobenzene (surrogate)	99. %		1	81 - 114	

Notes:

Analysis performed beyond prescribed holding time.

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: February 20, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1203
Sample: U0081
Samp. Description: WTP Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 QC Batch: 022002W1
Prepared: 02/20/02 %Solids:
Analyzed: 02/20/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<1.	U	1	
Bromodichloromethane	<1.	U	1	
Bromoform	<10.	U	1	
Bromomethane	<10.	U	1	
Carbon tetrachloride	<1.	U	1	
Chlorobenzene	<1.	U	1	
Chloroethane	<1.	U	1	
2-Chloroethylvinyl ether	<10.	U	1	
Chloroform	<1.	U	1	
Chloromethane	<10.	U	1	
Dibromochloromethane	<1.	U	1	
1,2-Dichlorobenzene	<5.	U	1	
1,3-Dichlorobenzene	<5.	U	1	
1,4-Dichlorobenzene	<5.	U	1	
Dichlorodifluoromethane	<10.	U	1	
1,1-Dichloroethane	<1.	U	1	
1,2-Dichloroethane	<1.	U	1	
1,1-Dichloroethylene	<1.	U	1	
cis-1,2-Dichloroethylene	<1.	U	1	
trans-1,2-Dichloroethylene	<1.	U	1	
Dichloromethane	<1.	U	1	
1,2-Dichloropropane	<1.	U	1	
cis-1,3-Dichloropropylene	<1.	U	1	
trans-1,3-Dichloropropylene	<1.	U	1	
Ethylbenzene	<1.	U	1	
1,1,2,2-Tetrachloroethane	<1.	U	1	
Tetrachloroethylene	<1.	U	1	
Toluene	<1.	U	1	
1,1,1-Trichloroethane	<1.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: February 20, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1203

Sample: U0081

Samp. Description: WTP Between Carbons

Primary column: Y

Units: ug/L

Column: DB-VRX 75m x .45mm ID

Dilution: 1 Instrument: 9001

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 QC Batch: 022002W1
Prepared: 02/20/02 %Solids:
Analyzed: 02/20/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<1.	U	1	
Trichloroethylene	<1.	U	1	
Trichlorofluoromethane	<1.	U	1	
Vinyl Chloride	<1.	U	1	
Xylenes (total)	<3.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	115.%		1	76 - 121	
Fluorobenzene (surrogate)	98.%		1	81 - 114	

Notes:

Analysis performed beyond prescribed holding time.

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: February 20, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1203
Sample: U0083
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	02/11/02	02/11/02	021102W2	1	
Zinc	<.01	200.7	02/11/02	02/13/02	021102W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: February 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1203
Sample: U0083
Samp. Description: WTP Effluent - Composite

Collected: 02/05/02 Matrix: Water
Received: 02/06/02 13:25

Parameter	Result	Units	Method	Prepared	Analyzed	QC	Batch	Note
Total dissolved solids	890.	mg/L	EPA 160.1		02/07/02	020702W21		
Total suspended solids	<5.	mg/L	EPA 160.2		02/09/02	020902W21		

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: February 19, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

Client: OGINA						Analysis/Method											
Project: Former Accurate Die						VOC's EPA Method 8021 VOC's EPA Method 8260 ZN + Hg TSS/TDS											
Sampled by: MARTIN KORNNECKE																	
Client Contact: AL FARRELL Phone # 2316																	
Sample Description																	
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers												
WTP Influent	2-5-02	12:10	WATER	GRAB	2	2											
WTP Between CARBONS	2-5-02	12:10	WATER	GRAB	2	2											
WTP Effluent	2-5-02	12:15	WATER	GRAB	2	2	2										
WTP Effluent	2-5-02	12:30	WATER	Comp	2			1	1								
Relinquished by: Martin Kornnecke						Date: 2-6-02 Time: 13:25						Received by: _____ Date: _____ Time: _____					
Relinquished by: _____						Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____					
Relinquished by: _____						Date: _____ Time: _____						Received by Lab: Martin Kornnecke Date: 2/6/2002 Time: 13:25					
Shipment Method: HAND						Airbill Number: _____											

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1258
Sample: U0348
Samp. Description: WTP Effluent

Collected: 02/12/02 Matrix: Water
Received: 02/13/02 09:20

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	860.	mg/L	EPA 160.1		02/14/02	021402W24	
Total suspended solids	<5.	mg/L	EPA 160.2		02/14/02	021402W23	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: February 19, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

1258

[illegible]

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:Cooler Temperature: 3°C

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1318
Sample: U0661
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/20/02 Matrix: Water
Received: 02/20/02 QC Batch: 022502W1
Prepared: 02/25/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	02/25/02
Methylene chloride	<2.0		1	02/25/02
trans-1,2-Dichloroethene	<.50		1	02/25/02
cis-1,2-Dichloroethene	<.50		1	02/25/02
Trichloroethene	<.50		1	02/25/02
4-Methyl-2-pentanone	<5.0		1	02/25/02
Toluene	<.50		1	02/25/02
2-Hexanone	<5.0		1	02/25/02
Tetrachloroethene	<.50		1	02/25/02
1,1,2,2-Tetrachloroethane	<.50		1	02/25/02
Dibromofluoromethane (surrogate)	109.%	70 - 131	1	02/25/02
1,2-Dichloroethane-d4 (surrogate)	107.%	81 - 120	1	02/25/02
Toluene-d8 (surrogate)	97.%	83 - 117	1	02/25/02
Bromofluorobenzene (surrogate)	96.%	78 - 119	1	02/25/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: February 26, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1318
Sample: U0662
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 02/20/02 Matrix: Water
Received: 02/20/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	02/21/02	02/21/02	022102W1	1	
Zinc	<.01	200.7	02/20/02	02/21/02	022002W1	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: Monika Santucci

Date: March 4, 2002

Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1318
Sample: U0662
Samp. Description: WTP Effluent - Composite

Collected: 02/20/02 Matrix: Water
Received: 02/20/02 08:30

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	870.	mg/L	EPA 160.1		02/25/02	022502W22	
Total suspended solids	<5.	mg/L	EPA 160.2		02/25/02	022502W24	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: March 1, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1379
Sample: U1133
Samp. Description: WTP Effluent

Collected: 02/27/02 Matrix: Water
Received: 02/27/02 08:45

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	840.	mg/L	EPA 160.1		03/01/02	030102W24	
Total suspended solids	<5.	mg/L	EPA 160.2		03/01/02	030102W21	

Notes:

J-Estimated value

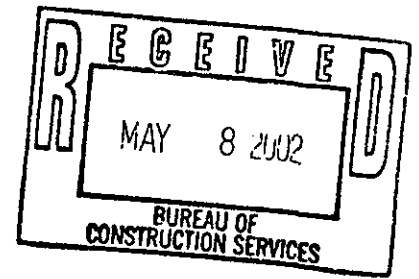
Authorized: Monika Santucci
Date: March 5, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200



O'BRIEN & GERE
ENGINEERS, INC.

April 24, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for March 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of April 1, 2002, a total of 47,280,000 gallons of groundwater has been treated since startup on February 5, 1996. Since March 1, 2002, 569,670 gallons of groundwater was treated; 342,460 gallons from recovery well RW-1, and 227,210 gallons from recovery well RW-2. No water was recovered from the sump located outside the northeast corner of the building, or from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in March 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.
2. Conduct semi-annual ground water monitoring in accordance with the January 4, 2002 letter from the New York State Department of Environmental Conservation.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

April 24, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Alfred R. Farrell', written in a cursive style.

Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\3-2002MOR.doc

Attachments

cc: A. English – NYSDEC
 R. Parker – NYSDEC Region 7
 Director, Bureau of Environmental Exposure Investigation – NYSDOH
 H. Hamel – NYSDOH
 M. Peters, Esq – LeBoeuf, Lamb, Greene & MacRae
 P. Anderson – The Anderson Company
 D. Carnevale – O'Brien & Gere Engineers, Inc.
 J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	03/05/2002	03/07/2002	03/12/2002	03/13/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	18360	18600	18410	---
pH (SU)	6.5 - 8.5		2/Week	Grab	8.34	8.34	8.36	---
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	---	5 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	860	---	---	860
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.02	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 03/14/2002	Effluent 03/19/2002	Effluent 03/20/2002	Effluent 03/21/2002	Effluent 03/26/2002	Effluent 03/27/2002	Effluent 03/28/2002
Flow (GPD)	18370	18342	---	18360	18424	---	18410
pH (SU)	8.34	8.34	---	8.34	8.35	---	8.36
Residue, non-filterable (mg/L)	---	---	5 U	---	---	5 U	---
Total dissolved solids (TDS) (mg/L)	---	---	850	---	---	840	---
CBOD5 (mg/L)	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	0.0002 U	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	0.01 U	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Methylene chloride (ug/L)	---	---	2.0 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	0.50 U	---	---	---	---
Tetrachloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Toluene (ug/L)	---	---	0.50 U	---	---	---	---
Trichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Acetone (ug/L)	---	---	10 U	---	---	---	---
2-Hexanone (ug/L)	---	---	5.0 U	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	5.0 U	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1442
Samp. Description: WTP Effluent - Grab
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

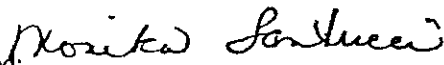
Collected: 03/05/02 Matrix: Water
Received: 03/06/02 QC Batch: 030702W2
Prepared: 03/07/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	03/07/02	
Methylene chloride	<2.0		1	03/07/02	
trans-1,2-Dichloroethene	<.50		1	03/07/02	
cis-1,2-Dichloroethene	<.50		1	03/07/02	
Trichloroethene	<.50		1	03/07/02	
4-Methyl-2-pentanone	<5.0		1	03/07/02	
Toluene	<.50		1	03/07/02	
2-Hexanone	<5.0		1	03/07/02	
Tetrachloroethene	<.50		1	03/07/02	
1,1,2,2-Tetrachloroethane	<.50		1	03/07/02	
Dibromofluoromethane (surrogate)	105.%	85 - 123	1	03/07/02	
1,2-Dichloroethane-d4 (surrogate)	119.%	83 - 121	1	03/07/02	
Toluene-d8 (surrogate)	93.%	87 - 117	1	03/07/02	
Bromofluorobenzene (surrogate)	87.%	85 - 118	1	03/07/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: March 8, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1440
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 03/05/02 Matrix: Water
Received: 03/06/02 QC Batch: 031102W1
Prepared: 03/11/02 %Solids:
Analyzed: 03/11/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: March 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1440
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

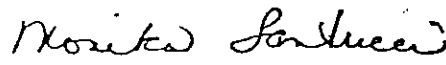
Collected: 03/05/02 Matrix: Water
Received: 03/06/02 QC Batch: 031102W1
Prepared: 03/11/02 %Solids:
Analyzed: 03/11/02 Sample Size: 5 ml
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	850.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	87.%		1	76-115	
Fluorobenzene (surrogate)	100.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: March 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1441
Samp. Description: WTP Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 03/05/02 Matrix: Water
Received: 03/06/02 QC Batch: 031102W1
Prepared: 03/11/02 %Solids:
Analyzed: 03/11/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<1.	U	1	
Bromodichloromethane	<1.	U	1	
Bromoform	<10.	U	1	
Bromomethane	<10.	U	1	
Carbon tetrachloride	<1.	U	1	
Chlorobenzene	<1.	U	1	
Chloroethane	<1.	U	1	
2-Chloroethylvinyl ether	<10.	U	1	
Chloroform	<1.	U	1	
Chloromethane	<10.	U	1	
Dibromochloromethane	<1.	U	1	
1,2-Dichlorobenzene	<5.	U	1	
1,3-Dichlorobenzene	<5.	U	1	
1,4-Dichlorobenzene	<5.	U	1	
Dichlorodifluoromethane	<10.	U	1	
1,1-Dichloroethane	<1.	U	1	
1,2-Dichloroethane	<1.	U	1	
1,1-Dichloroethylene	<1.	U	1	
cis-1,2-Dichloroethylene	1.		1	
trans-1,2-Dichloroethylene	<1.	U	1	
Dichloromethane	<1.	U	1	
1,2-Dichloropropane	<1.	U	1	
cis-1,3-Dichloropropylene	<1.	U	1	
trans-1,3-Dichloropropylene	<1.	U	1	
Ethylbenzene	<1.	U	1	
1,1,2,2-Tetrachloroethane	<1.	U	1	
Tetrachloroethylene	<1.	U	1	
Toluene	<1.	U	1	
1,1,1-Trichloroethane	<1.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: March 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1441
Samp. Description: WTP Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 03/05/02 Matrix: Water
Received: 03/06/02 QC Batch: 031102W1
Prepared: 03/11/02 %Solids:
Analyzed: 03/11/02 Sample Size: 5 ml

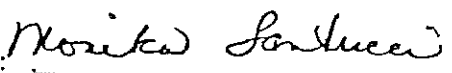
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<1.	U	1	
Trichloroethylene	<1.	U	1	
Trichlorofluoromethane	<1.	U	1	
Vinyl Chloride	<1.	U	1	
Xylenes (total)	<3.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	90.%		1	76-115	
Fluorobenzene (surrogate)	95.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: March 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1440
Sample: U1443
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027 . 001.11102
Certification NY No.: 10155

Collected: 03/05/02 Matrix: Water
Received: 03/06/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	03/08/02	03/08/02	030802W1	1	
Zinc	.02	200.7	03/08/02	03/11/02	030802W2	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: 
Date: March 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1440
Sample: U1443
Samp. Description: WTP Effluent - Composite

Collected: 03/05/02 Matrix: Water
Received: 03/06/02 12:15

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	860.	mg/L	EPA 160.1		03/11/02	031102W22	
Total suspended solids	<5.	mg/L	EPA 160.2		03/11/02	031102W23	

Notes:

J-Estimated value

Authorized: 
Date: March 13, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

1440

Client: <u>OGINA</u>						Analysis/Method									
Project: <u>Former ACWaste Dye</u>						VOC's EPA8021 VOC's EPA8260 TSS/TDS Zn+Hg									
Sampled by: <u>Martin & Kennecke</u>															
Client Contact: <u>AL Farrell</u> Phone # <u>2316</u>															
Sample Description															
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers										
WTP Influent	3-5-02	15:45	Water	GRAB	2	2									
WTP Between CARBONS	3-5-02	15:45	Water	GRAB	2	2									
WTP Effluent	3-5-02	15:45	Water	GRAB	2		2								
WTP Effluent	3-5-02	15:50	Water	Comp	2			1	1						
Relinquished by: <u>Martin & Kennecke</u> Date: <u>3-6-02</u> Time: <u>12:15</u>						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Thomas O'Brien</u> Date: <u>3-6-02</u> Time: <u>12:15</u>									
Shipment Method: <u>HAND</u>						Airbill Number: _____									

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 3°C

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1497
Sample: U1762
Samp. Description: WTP Effluent

Collected: 03/13/02 Matrix: Water
Received: 03/13/02 10:42

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	860.	mg/L	EPA 160.1		03/18/02	031802W22	
Total suspended solids	<5.	mg/L	EPA 160.2		03/15/02	031502W23	

Notes:

J-Estimated value

Authorized: 
Date: March 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

Original Laboratory Cont. Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1548
Sample: U2182
Samp. Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 03/20/02 Matrix: Water
Received: 03/20/02 QC Batch: 032002W1
Prepared: 03/20/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	03/20/02
Methylene chloride	<2.0		1	03/20/02
trans-1,2-Dichloroethene	<.50		1	03/20/02
cis-1,2-Dichloroethene	<.50		1	03/20/02
Trichloroethene	<.50		1	03/20/02
4-Methyl-2-pentanone	<5.0		1	03/20/02
Toluene	<.50		1	03/20/02
2-Hexanone	<5.0		1	03/20/02
Tetrachloroethene	<.50		1	03/20/02
1,1,2,2-Tetrachloroethane	<.50		1	03/20/02
Dibromofluoromethane (surrogate)	106. %	71 - 130	1	03/20/02
1,2-Dichloroethane-d4 (surrogate)	101. %	76 - 126	1	03/20/02
Toluene-d8 (surrogate)	105. %	82 - 119	1	03/20/02
Bromofluorobenzene (surrogate)	100. %	75 - 119	1	03/20/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: March 21, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Trace Metals**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1548
Sample: U2183
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 03/20/02 Matrix: Water
Received: 03/20/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	03/21/02	03/21/02	032102W1	1	
Zinc	<.01	200.7	04/02/02	04/03/02	040202W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: April 3, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1548
Sample: U2183
Samp. Description: WTP Effluent

Collected: 03/20/02 Matrix: Water
Received: 03/20/02 10:38

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	850.	mg/L	EPA 160.1		03/26/02	032602W12	
Total suspended solids	<5.	mg/L	EPA 160.2		03/26/02	032602W11	

Notes:

J-Estimated value

Authorized: 
Date: April 2, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

1548

[illegible]

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1629
Sample: U2959
Samp. Description: WTP Effluent

Collected: 03/27/02 Matrix: Water
Received: 03/27/02 09:40

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	840.	mg/L	EPA 160.1		03/30/02	033002W13	
Total suspended solids	<5.	mg/L	EPA 160.2		03/30/02	033002W12	

Notes:

J-Estimated value

Authorized: 
Date: April 10, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

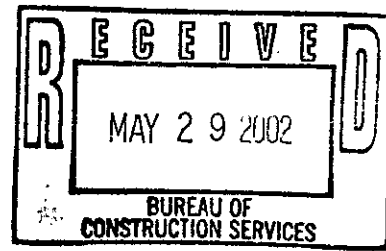
[illegible]**Comments:**

Original Laboratory Conv Client



O'BRIEN & GERE
ENGINEERS, INC.

May 22, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for April 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of May 1, 2002, a total of 47,840,010 gallons of groundwater has been treated since startup on February 5, 1996. Since April 1, 2002, 560,010 gallons of groundwater was treated; 331,780 gallons from recovery well RW-1, 228,220 gallons from recovery well RW-2, and 10 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No ground water was recovered from the sump located outside the northeast corner of the building.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in April 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. On April 3rd and 4th, O'Brien & Gere conducted the semi-annual ground water monitoring in accordance with the January 4, 2002 letter from the New York State Department of Environmental Conservation. During the sampling event, ground water was obtained from monitoring wells MW-10, MW-11, and MW-18. Water was obtained as well from the sump as requested in the January 4, 2002 letter. Monitoring well MW-13 could not be sampled. The laboratory analytical data sheets are provided as Attachment B.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

May 22, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

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Attachments

cc: A. English – NYSDEC
 R. Parker – NYSDEC Region 7
 Director, Bureau of Environmental Exposure Investigation – NYSDOH
 H. Hamel – NYSDOH
 P. Anderson – The Anderson Company
 D. Carnevale – O'Brien & Gere Engineers, Inc.
 J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	04/02/02	04/03/02	04/04/02	04/09/02
Flow (GPD)	Monitor	150000	Continuous	Meter	18590	---	18544	18680
pH (SU)	6.5 - 8.5		2/Week	Grab	8.34	---	8.32	8.34
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	5 U	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	910	---	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	5 U	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	0.4 U	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	0.1 U	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	---	0.0002 U	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	---	0.01 U	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.50 U	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.50 U	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	---	2.0 U	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	---	0.50 U	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	---	0.50 U	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	0.50 U	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.50 U	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	---	10 U	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	---	5.0 U	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	---	5.0 U	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 04/10/02	Effluent 04/11/02	Effluent 04/16/02	Effluent 04/17/02	Effluent 04/18/02	Effluent 04/23/02	Effluent 04/24/02	Effluent 04/25/02
Flow (GPD)	---	18690	18770	---	18860	18710	---	18560
pH (SU)	---	8.34	8.35	---	8.34	8.34	---	8.36
Residue, non-filterable (mg/L)	5 U	---	---	5 U	---	---	5 U	---
Total dissolved solids (TDS) (mg/L)	940	---	---	850	---	---	840	---
CBOD5 (mg/L)	---	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	---	0.0002 U	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	---	0.14	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	---	0.50 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	---	0.50 U	---	---	---	---
Methylene chloride (ug/L)	---	---	---	2.0 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	---	0.50 U	---	---	---	---
Tetrachloroethene (ug/L)	---	---	---	0.50 U	---	---	---	---
Toluene (ug/L)	---	---	---	0.50 U	---	---	---	---
Trichloroethene (ug/L)	---	---	---	0.50 U	---	---	---	---
Acetone (ug/L)	---	---	---	10 U	---	---	---	---
2-Hexanone (ug/L)	---	---	---	5.0 U	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	---	5.0 U	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent
	04/30/02
Flow (GPD)	18670
pH (SU)	8.36
Residue, non-filterable (mg/L)	---
Total dissolved solids (TDS) (mg/L)	---
CBOD5 (mg/L)	---
TKN (mg/L)	---
TOD (mg/L)	---
Dissolved Oxygen (mg/L)	---
Aluminum, dissolved (mg/L)	---
Antimony, total (mg/L)	---
Chromium, total (mg/L)	---
Cobalt, total (mg/L)	---
Copper, total (mg/L)	---
Iron, total (mg/L)	---
Lead, total (mg/L)	---
Mercury, total (mg/L)	---
Nickel, total (mg/L)	---
Silver, total (mg/L)	---
Vanadium, total (mg/L)	---
Zinc, total (mg/L)	---
cis-1,2-Dichloroethene (ug/L)	---
trans-1,2-Dichloroethene (ug/L)	---
Methylene chloride (ug/L)	---
1,1,2,2-Tetrachloroethane (ug/L)	---
Tetrachloroethene (ug/L)	---
Toluene (ug/L)	---
Trichloroethene (ug/L)	---
Acetone (ug/L)	---
2-Hexanone (ug/L)	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---
NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997. --- - Not analyzed, NA - Data not available U - Not Detected, J - Estimated TOD = 1.5 X CBOD5 + 4.5 X TKN	

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1694
Sample: U3373
Samp. Description: WTP Effluent
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/03/02 QC Batch: 041102W2
Prepared: 04/11/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	04/11/02	
Methylene chloride	<2.0		1	04/11/02	
trans-1,2-Dichloroethene	<.50		1	04/11/02	
cis-1,2-Dichloroethene	<.50		1	04/11/02	
Trichloroethene	<.50		1	04/11/02	
4-Methyl-2-pentanone	<5.0		1	04/11/02	
Toluene	<.50		1	04/11/02	
2-Hexanone	<5.0		1	04/11/02	
Tetrachloroethene	<.50		1	04/11/02	
1,1,2,2-Tetrachloroethane	<.50		1	04/11/02	
Dibromofluoromethane (surrogate)	103.%	71 - 130	1	04/11/02	
1,2-Dichloroethane-d4 (surrogate)	113.%	76 - 126	1	04/11/02	
Toluene-d8 (surrogate)	100.%	82 - 119	1	04/11/02	
Bromofluorobenzene (surrogate)	106.%	75 - 119	1	04/11/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1694
Sample: U3374
Samp. Description: WTP Between Carbon's
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/03/02 QC Batch: 041102W2
Prepared: 04/11/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	04/11/02
Methylene chloride	<2.0		1	04/11/02
trans-1,2-Dichloroethene	<.50		1	04/11/02
cis-1,2-Dichloroethene	6.1		1	04/11/02
Trichloroethene	4.1		1	04/11/02
4-Methyl-2-pentanone	<5.0		1	04/11/02
Toluene	<.50		1	04/11/02
2-Hexanone	<5.0		1	04/11/02
Tetrachloroethene	<.50		1	04/11/02
1,1,2,2-Tetrachloroethane	<.50		1	04/11/02
Dibromofluoromethane (surrogate)	105.%	71 - 130	1	04/11/02
1,2-Dichloroethane-d4 (surrogate)	113.%	76 - 126	1	04/11/02
Toluene-d8 (surrogate)	102.%	82 - 119	1	04/11/02
Bromofluorobenzene (surrogate)	106.%	75 - 119	1	04/11/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1694
Sample: U3375
Samp. Description: WTP Influent
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/03/02 QC Batch: 041102W2
Prepared: 04/11/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Acetone	<500.		50	04/11/02
Methylene chloride	<100.		50	04/11/02
trans-1,2-Dichloroethene	<25.		50	04/11/02
cis-1,2-Dichloroethene	<25.		50	04/11/02
Trichloroethene	610.		50	04/11/02
4-Methyl-2-pentanone	<250.		50	04/11/02
Toluene	<25.		50	04/11/02
2-Hexanone	<250.		50	04/11/02
Tetrachloroethene	<25.		50	04/11/02
1,1,2,2-Tetrachloroethane	<25.		50	04/11/02
Dibromofluoromethane (surrogate)	106.%	71 - 130	50	04/11/02
1,2-Dichloroethane-d4 (surrogate)	114.%	76 - 126	50	04/11/02
Toluene-d8 (surrogate)	102.%	82 - 119	50	04/11/02
Bromofluorobenzene (surrogate)	106.%	75 - 119	50	04/11/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: April 12, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1694
Sample: U3372
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/03/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	04/12/02	04/12/02	041202W2	1	
Zinc	<.01	200.7	04/15/02	04/15/02	041502W1	1	

Notes:

J-Estimated value

Authorized: 
Date: April 16, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1697
Sample: U3384
Samp. Description: WTP Effluent (Lab Filter)
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/03/02 %Solids:
Number of analytes: 1

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Aluminum	<.1	200.7	04/15/02	04/15/02	041502W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: April 16, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1694
Sample: U3372
Samp. Description: WTP Effluent

Collected: 04/03/02 11:15 Matrix: Water
Received: 04/03/02 12:50

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
CBOD5	<5.	mg/L	SM5210B		04/04/02	040402W11	
Total Kjeldahl nitrogen	<.4	mg/L	EPA 351.2	04/16/02	04/17/02	041602W1	
Total dissolved solids	910.	mg/L	EPA 160.1		04/04/02	040402W24	
Total suspended solids	<5.	mg/L	EPA 160.2		04/05/02	040502W23	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: April 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

1694

[illegible]

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

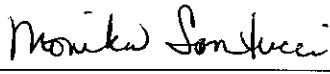
Package#: 1771
Sample: U3823
Samp. Description: WTP Effluent

Collected: 04/10/02 Matrix: Water
Received: 04/10/02 09:05

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	940.	mg/L	EPA 160.1		04/15/02	041502W23	
Total suspended solids	<5.	mg/L	EPA 160.2		04/15/02	041502W24	

Notes:

J-Estimated value

Authorized: 

Date: April 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Briltonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

1771

[illegible]

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 5°C

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1819
Sample: U4049
Samp. Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/17/02 Matrix: Water
Received: 04/17/02 QC Batch: 042302W1
Prepared: 04/24/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	04/24/02	
Methylene chloride	<2.0		1	04/24/02	
trans-1,2-Dichloroethene	<.50		1	04/24/02	
cis-1,2-Dichloroethene	<.50		1	04/24/02	
Trichloroethene	<.50		1	04/24/02	
4-Methyl-2-pentanone	<5.0		1	04/24/02	
Toluene	<.50		1	04/24/02	
2-Hexanone	<5.0		1	04/24/02	
Tetrachloroethene	<.50		1	04/24/02	
1,1,2,2-Tetrachloroethane	<.50		1	04/24/02	
Dibromofluoromethane (surrogate)	95. %	71 - 130	1	04/24/02	
1,2-Dichloroethane-d4 (surrogate)	96. %	76 - 126	1	04/24/02	
Toluene-d8 (surrogate)	102. %	82 - 119	1	04/24/02	
Bromofluorobenzene (surrogate)	87. %	75 - 119	1	04/24/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: April 24, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1819
Sample: U4050
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/17/02 Matrix: Water
Received: 04/17/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	04/24/02	04/24/02	042402W1	1	
Zinc	.14	200.7	04/18/02	04/19/02	041802W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: May 1, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1819
Sample: U4050
Samp. Description: WTP Effluent

Collected: 04/17/02 Matrix: Water
Received: 04/17/02 11:00

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	850.	mg/L	EPA 160.1		04/19/02	041902W26	
Total suspended solids	<5.	mg/L	EPA 160.2		04/23/02	042302W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: April 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

1819

[illegible]

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1893
Sample: U4587
Samp. Description: WTP Effluent

Collected: 04/24/02 Matrix: Water
Received: 04/24/02 09:50

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	840.	mg/L	EPA 160.1		04/30/02	043002W25	
Total suspended solids	<5.	mg/L	EPA 160.2		04/24/02	042402W25	

Notes:

J-Estimated value

Authorized: 

Date: May 8, 2002

Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Chain of Custody

Original Laboratory	Conv Client
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ATTACHMENT B

**SEMI-ANNUAL GROUND WATER MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3470
Samp. Description: MW-10
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3470
Samp. Description: MW-10
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml

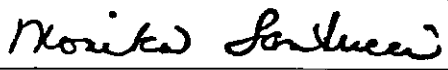
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	740.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	101.%		1	76 - 115	
Fluorobenzene (surrogate)	101.%		1	85 - 115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3471
Samp. Description: MW-11
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3471
Samp. Description: MW-11
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	870.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	106.%		1	76 - 115	
Fluorobenzene (surrogate)	101.%		1	85 - 115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3472
Samp. Description: MW-18
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 10 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/04/02 Matrix: Water
Received: 04/04/02 QC Batch: 041502W2
Prepared: 04/15/02 %Solids:
Analyzed: 04/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<10.	U	1	
Bromodichloromethane	<10.	U	1	
Bromoform	<100.	U	1	
Bromomethane	<100.	U	1	
Carbon tetrachloride	<10.	U	1	
Chlorobenzene	<10.	U	1	
Chloroethane	<10.	U	1	
2-Chloroethylvinyl ether	<100.	U	1	
Chloroform	<10.	U	1	
Chloromethane	<100.	U	1	
Dibromochloromethane	<10.	U	1	
1,2-Dichlorobenzene	<50.	U	1	
1,3-Dichlorobenzene	<50.	U	1	
1,4-Dichlorobenzene	<50.	U	1	
Dichlorodifluoromethane	<100.	U	1	
1,1-Dichloroethane	<10.	U	1	
1,2-Dichloroethane	<10.	U	1	
1,1-Dichloroethylene	<10.	U	1	
cis-1,2-Dichloroethylene	<10.	U	1	
trans-1,2-Dichloroethylene	<10.	U	1	
Dichloromethane	<10.	U	1	
1,2-Dichloropropane	<10.	U	1	
cis-1,3-Dichloropropylene	<10.	U	1	
trans-1,3-Dichloropropylene	<10.	U	1	
Ethylbenzene	<10.	U	1	
1,1,2,2-Tetrachloroethane	<10.	U	1	
Tetrachloroethylene	<10.	U	1	
Toluene	<10.	U	1	
1,1,1-Trichloroethane	<10.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3472
Samp. Description: MW-18
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 10 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/04/02 Matrix: Water
Received: 04/04/02 QC Batch: 041502W2
Prepared: 04/15/02 %Solids:
Analyzed: 04/15/02 Sample Size: 5 ml
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<10.	U	1	
Trichloroethylene	350.		1	
Trichlorofluoromethane	<10.	U	1	
Vinyl Chloride	<10.	U	1	
Xylenes (total)	<30.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	103.%		1	76-115	
Fluorobenzene (surrogate)	99.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3473
Samp. Description: Sump
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 5 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/04/02 Matrix: Water
Received: 04/04/02 QC Batch: 041502W2
Prepared: 04/15/02 %Solids:
Analyzed: 04/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<5.	U	1	
Bromodichloromethane	<5.	U	1	
Bromoform	<50.	U	1	
Bromomethane	<50.	U	1	
Carbon tetrachloride	<5.	U	1	
Chlorobenzene	<5.	U	1	
Chloroethane	<5.	U	1	
2-Chloroethylvinyl ether	<50.	U	1	
Chloroform	<5.	U	1	
Chloromethane	<50.	U	1	
Dibromochloromethane	<5.	U	1	
1,2-Dichlorobenzene	<25.	U	1	
1,3-Dichlorobenzene	<25.	U	1	
1,4-Dichlorobenzene	<25.	U	1	
Dichlorodifluoromethane	<50.	U	1	
1,1-Dichloroethane	<5.	U	1	
1,2-Dichloroethane	<5.	U	1	
1,1-Dichloroethylene	<5.	U	1	
cis-1,2-Dichloroethylene	<5.	U	1	
trans-1,2-Dichloroethylene	<5.	U	1	
Dichloromethane	<5.	U	1	
1,2-Dichloropropane	<5.	U	1	
cis-1,3-Dichloropropylene	<5.	U	1	
trans-1,3-Dichloropropylene	<5.	U	1	
Ethylbenzene	<5.	U	1	
1,1,2,2-Tetrachloroethane	<5.	U	1	
Tetrachloroethylene	<5.	U	1	
Toluene	<5.	U	1	
1,1,1-Trichloroethane	<5.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3473
Samp. Description: Sump
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 5 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/04/02 Matrix: Water
Received: 04/04/02 QC Batch: 041502W2
Prepared: 04/15/02 %Solids:
Analyzed: 04/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<5.	U	1	
Trichloroethylene	210.		1	
Trichlorofluoromethane	<5.	U	1	
Vinyl Chloride	<5.	U	1	
Xylenes (total)	<15.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	108.%		1	76-115	
Fluorobenzene (surrogate)	100.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3474
Samp. Description: QC Trip Blank
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<1.	U	1	
Bromodichloromethane	<1.	U	1	
Bromoform	<10.	U	1	
Bromomethane	<10.	U	1	
Carbon tetrachloride	<1.	U	1	
Chlorobenzene	<1.	U	1	
Chloroethane	<1.	U	1	
2-Chloroethylvinyl ether	<10.	U	1	
Chloroform	<1.	U	1	
Chloromethane	<10.	U	1	
Dibromochloromethane	<1.	U	1	
1,2-Dichlorobenzene	<5.	U	1	
1,3-Dichlorobenzene	<5.	U	1	
1,4-Dichlorobenzene	<5.	U	1	
Dichlorodifluoromethane	<10.	U	1	
1,1-Dichloroethane	<1.	U	1	
1,2-Dichloroethane	<1.	U	1	
1,1-Dichloroethylene	<1.	U	1	
cis-1,2-Dichloroethylene	<1.	U	1	
trans-1,2-Dichloroethylene	<1.	U	1	
Dichloromethane	<1.	U	1	
1,2-Dichloropropane	<1.	U	1	
cis-1,3-Dichloropropylene	<1.	U	1	
trans-1,3-Dichloropropylene	<1.	U	1	
Ethylbenzene	<1.	U	1	
1,1,2,2-Tetrachloroethane	<1.	U	1	
Tetrachloroethylene	<1.	U	1	
Toluene	<1.	U	1	
1,1,1-Trichloroethane	<1.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 

Date: April 12, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1712
Sample: U3474
Samp. Description: QC Trip Blank
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 04/03/02 Matrix: Water
Received: 04/04/02 QC Batch: 041002W1
Prepared: 04/10/02 %Solids:
Analyzed: 04/10/02 Sample Size: 5 ml
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<1.	U	1	
Trichloroethylene	<1.	U	1	
Trichlorofluoromethane	<1.	U	1	
Vinyl Chloride	<1.	U	1	
Xylenes (total)	<3.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	106.%		1	76 - 115	
Fluorobenzene (surrogate)	100.%		1	85 - 115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: April 12, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

1712

[illegible]

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Comments: Trip Blank not listed on Coc.

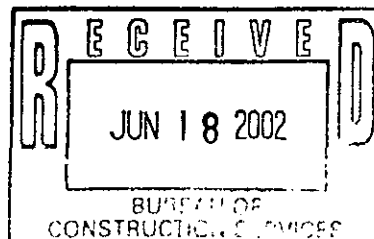
Cooler Temperature: 4

Original Laboratory Conv Client



O'BRIEN & GERE
ENGINEERS, INC.

June 12, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for May 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of May 31, 2002, a total of 48,401,630 gallons of groundwater has been treated since startup on February 5, 1996. Since May 1, 2002, 561,620 gallons of groundwater was treated; 329,160 gallons from recovery well RW-1, 232,440 gallons from recovery well RW-2, and 20 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No ground water was recovered from the sump located outside the northeast corner of the building.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in May 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. On May 28th, the spent granular activated carbon (GAC) in vessel number 1 was replaced. Afterward, the valves were reconfigured to place vessel number 2 into lead service and vessel number 1 with the fresh GAC into lag service.
4. Attached as Table 2 are the ground water level measurements recorded during the semi-annual ground water monitoring event that occurred on April 3rd and 4th. The results of the laboratory analyses performed on ground water samples were provided to the NYSDEC on May 22, 2002.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

June 12, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'A. Farrell', with a stylized flourish at the end.

Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\5-2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	05/01/2002	05/02/2002	05/07/2002	05/09/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	---	18870	18770	18970
pH (SU)	6.5 - 8.5		2/Week	Grab	---	8.36	8.34	8.34
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	860	---	860	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 05/14/2002	Effluent 05/16/2002	Effluent 05/21/2002	Effluent 05/23/2002	Effluent 05/28/2002	Effluent 05/30/2002
Flow (GPD)	18740	18850	18740	18595	18752	18830
pH (SU)	8.34	8.34	8.32	8.35	8.41	8.5
Residue, non-filterable (mg/L)	5 U	---	---	5 U	5 U	---
Total dissolved solids (TDS) (mg/L)	850	---	---	850	850	---
CBOD5 (mg/L)	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---
Mercury, total (mg/L)	0.0002 U	---	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---
Zinc, total (mg/L)	0.01 U	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---	---	---
Methylene chloride (ug/L)	2.0 U	---	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	0.50 U	---	---	---	---	---
Tetrachloroethene (ug/L)	0.50 U	---	---	---	---	---
Toluene (ug/L)	0.50 U	---	---	---	---	---
Trichloroethene (ug/L)	0.50 U	---	---	---	---	---
Acetone (ug/L)	10 U	---	---	---	---	---
2-Hexanone (ug/L)	5.0 U	---	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	5.0 U	---	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN



Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Elevation (ft)	Well Casing Elevation (ft)	Screened Interval Elevation (ft)	Ground Water Elevation (ft) 05/28/1992	Ground Water Elevation (ft) 06/26/1992	Ground Water Elevation (ft) 08/07/1992	Ground Water Elevation (ft) 09/26/1994	Ground Water Elevation (ft) 09/27/1994	Ground Water Elevation (ft) 10/18/1994
MW-01	99.36	101.11	75.4 - 85.4	DRY	DRY	79.69	---	---	DRY
MW-02	91.80	94.68	76.6 - 86.6	83.21	82.81	84.32	83.10	83.28	80.12
MW-03	97.65	99.63	73.7 - 83.7	80.44	80.09	81.63	AB	AB	AB
MW-04	65.62	68.52	46.6 - 56.6	51.08	49.95	50.81	47.22	52.21	46.79
MW-05	88.21	90.42	49.2 - 59.2	60.71	63.76	61.22	59.87	59.91	59.45
MW-06	77.46	79.38	46.4 - 56.4	60.50	60.49	60.46	59.51	59.52	59.05
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.59	54.55	54.47	53.90	53.97	53.55
MW-08	88.21	91.78	53.9 - 63.9	66.38	66.38	66.83	61.59	61.65	60.99
MW-09	102.44	104.03	49.7 - 59.7	60.46	60.51	61.83	59.57	59.59	59.08
MW-10 (B)	97.51	97.27	43.0 - 53.0	61.15	61.99	61.69	---	---	56.02
MW-11 (B)	91.48	93.80	43.1 - 53.1	62.34	63.70	63.66	58.41	58.39	57.47
MW-12	93.62	94.14	51.9 - 61.9	62.24	60.74	62.77	59.77	59.79	59.31
MW-13	98.80	98.70	77.7 - 87.7	DRY	80.62	80.92	---	---	78.70
MW-14	98.76	100.62	74.6 - 84.6	75.11	79.07	81.54	---	---	86.18
MW-15 (B)	96.10	98.90	32.7 - 42.7	NI	NI	NI	---	---	53.47
MW-16 (B)	98.50	100.85	50.8 - 60.8	NI	NI	NI	---	---	61.67
MW-17	66.90	69.24	53.7 - 63.7	NI	NI	NI	54.61	54.61	54.08
MW-18	76.50	78.29	61.5 - 71.5	NI	NI	NI	NI	NI	NI
MW-19	69.50	71.27	46.5 - 56.5	NI	NI	NI	NI	NI	NI
MW-20	70.98	72.89	51.9 - 61.9	NI	NI	NI	NI	NI	NI
MW-21	69.90	71.87	59.5 - 64.5	NI	NI	NI	NI	NI	NI
MW-22	71.50	73.34	60.9 - 65.9	NI	NI	NI	NI	NI	NI
MW-23 (B)	89.80	91.72	17.3 - 22.3	NI	NI	NI	NI	NI	NI
MW-24				NI	NI	NI	NI	NI	NI
PZ-01	81.80	83.95	49.8 - 59.8	NI	NI	NI	59.56	59.57	59.10
PZ-02	80.60	83.06	42.8 - 52.8	NI	NI	NI	59.35	59.36	58.89
RW-01	78.40	80.28	29.4-39.4 - 45.4-50.4	NI	NI	NI	56.88	56.89	58.22
RW-02 (B)	91.58	95.18	NA - NA	NI	NI	NI	NI	NI	NI
SUMP	NA	97.93	NA - NA	NI	NI	NI	NI	NI	NI

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 11/02/1994	Ground Water Elevation (ft) 11/17/1994	Ground Water Elevation (ft) 11/30/1994	Ground Water Elevation (ft) 12/15/1994	Ground Water Elevation (ft) 12/27/1994	Ground Water Elevation (ft) 01/13/1995	Ground Water Elevation (ft) 01/25/1995	Ground Water Elevation (ft) 02/09/1995	Ground Water Elevation (ft) 02/23/1995
MW-01	---	---	---	---	---	---	---	---	---
MW-02	---	---	---	---	---	---	---	---	---
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	---	---	---	---	---	---	---	---	---
MW-05	---	---	---	---	---	---	---	---	---
MW-06	---	---	---	---	---	---	---	---	---
MW-07 (B)	---	---	---	---	---	---	---	---	---
MW-08	---	---	---	---	---	---	---	---	---
MW-09	---	---	---	---	---	---	---	---	---
MW-10 (B)	55.07	55.19	54.94	55.19	55.02	54.94	54.95	54.52	54.36
MW-11 (B)	50.01	56.68	55.59	56.63	56.55	55.63	55.63	56.13	55.63
MW-12	---	---	---	---	---	---	---	---	---
MW-13	82.92	78.21	78.21	80.92	78.34	78.25	77.83	77.84	77.75
MW-14	80.12	80.54	80.54	80.20	80.54	80.62	80.45	78.95	79.54
MW-15 (B)	---	---	---	---	---	---	---	---	---
MW-16 (B)	---	---	---	---	---	---	---	---	---
MW-17	---	---	---	---	---	---	---	---	---
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	---	---	---	---	---	---	---	---	---
PZ-02	---	---	---	---	---	---	---	---	---
RW-01	---	---	---	---	---	---	---	---	---
RW-02 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
SUMP	76.04	74.83	75.00	75.17	74.83	75.00	75.00	74.88	75.00

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 03/09/1995	Ground Water Elevation (ft) 04/26/1995	Ground Water Elevation (ft) 07/25/1995	Ground Water Elevation (ft) 10/17/1995	Ground Water Elevation (ft) 02/05/1996	Ground Water Elevation (ft) 02/07/1996	Ground Water Elevation (ft) 02/15/1996	Ground Water Elevation (ft) 02/16/1996	Ground Water Elevation (ft) 02/20/1996
MW-01	---	DRY	DRY	DRY	77.06	76.64	75.30	DRY	DRY
MW-02	---	83.28	82.42	84.22	84.04	83.87	83.41	83.34	83.15
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	---	51.44	45.94	50.05	53.60	52.06	55.39	54.43	52.46
MW-05	---	60.34	58.78	---	61.26	61.01	60.80	60.73	60.50
MW-06	---	60.02	58.52	58.10	60.86	60.44	60.41	60.11	59.80
MW-07 (B)	---	54.51	53.27	52.71	55.16	54.67	55.03	54.52	54.45
MW-08	---	63.41	59.82	60.76	66.61	66.40	65.93	65.84	65.47
MW-09	---	60.10	58.56	58.16	60.95	60.70	60.48	60.35	60.07
MW-10 (B)	55.02	57.49	54.60	54.61	62.00	59.88	62.11	60.42	59.96
MW-11 (B)	56.55	58.86	55.72	55.31	62.63	60.37	62.67	60.88	60.35
MW-12	---	60.30	58.76	58.35	61.11	60.83	60.65	60.50	60.21
MW-13	77.67	DRY	DRY	DRY	80.00	79.98	79.91	79.90	79.88
MW-14	80.12	80.61	80.61	80.72	79.91	80.02	80.28	80.29	80.35
MW-15 (B)	---	54.71	51.60	50.47	59.24	59.37	59.79	59.63	59.56
MW-16 (B)	---	63.86	59.41	58.06	67.14	67.17	66.90	66.79	66.57
MW-17	---	59.02	57.71	DRY	60.29	60.17	59.75	59.70	59.52
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	---	60.08	58.58	58.16	60.92	60.61	60.46	60.28	59.99
PZ-02	---	59.88	58.37	57.97	60.70	60.30	60.26	59.97	59.66
RW-01	---	59.14	57.60	57.11	59.64	55.04	59.22	54.71	54.40
RW-02 (B)	NI	NI	NI	56.05	63.80	59.98	63.83	60.67	60.09
SUMP	78.00	75.09	75.25	76.94	74.67	74.68	74.64	74.63	74.63

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 02/22/1996	Ground Water Elevation (ft) 02/29/1996	Ground Water Elevation (ft) 03/07/1996	Ground Water Elevation (ft) 03/21/1996	Ground Water Elevation (ft) 04/04/1996	Ground Water Elevation (ft) 04/10/1996	Ground Water Elevation (ft) 04/18/1996	Ground Water Elevation (ft) 05/02/1996	Ground Water Elevation (ft) 06/06/1996
MW-01	DRY	75.36	75.17	77.34	DRY	DRY	DRY	77.73	DRY
MW-02	83.32	83.67	83.50	84.24	83.68	83.68	84.86	85.35	83.17
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	60.37	58.14	55.10	59.26	52.66	54.43	60.28	59.70	51.63
MW-05	60.40	60.14	59.73	58.85	58.32	58.14	58.20	58.71	60.54
MW-06	59.75	59.45	58.96	58.02	57.48	57.28	57.41	58.17	59.91
MW-07 (B)	54.58	54.46	54.32	54.29	54.17	54.15	54.32	54.75	55.02
MW-08	65.42	65.12	64.68	64.76	64.10	63.83	64.08	65.43	67.07
MW-09	60.02	59.71	59.22	58.30	57.78	57.59	57.73	58.46	60.18
MW-10 (B)	59.91	59.64	59.43	59.07	58.81	58.72	58.61	59.72	62.25
MW-11 (B)	60.29	59.99	59.78	59.38	59.10	59.01	58.94	60.35	62.68
MW-12	60.16	59.86	59.37	58.44	57.93	57.74	57.86	58.59	60.33
MW-13	79.87	79.86	79.77	79.68	79.60	79.57	79.52	79.44	79.28
MW-14	80.38	80.44	80.45	80.49	80.52	80.55	78.14	79.29	80.56
MW-15 (B)	59.56	59.46	59.40	59.14	59.07	59.04	58.84	59.87	62.62
MW-16 (B)	66.52	66.39	66.17	65.99	65.99	65.90	65.84	67.02	68.40
MW-17	59.64	59.42	59.28	59.30	59.27	59.14	59.30	59.95	59.22
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	72.95
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	DRY
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	DRY
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	59.93	59.63	59.14	58.21	57.67	57.47	57.60	58.34	60.09
PZ-02	59.61	59.33	58.83	57.90	57.39	57.19	57.30	58.04	59.77
RW-01	54.35	54.05	53.58	52.76	52.24	52.03	52.11	52.69	53.82
RW-02 (B)	59.97	59.63	59.41	58.95	58.63	58.52	58.41	59.63	62.56
SUMP	75.30	74.90	74.65	74.87	74.69	74.99	75.89	75.76	74.73

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 07/16/1996	Ground Water Elevation (ft) 09/05/1996	Ground Water Elevation (ft) 10/21/1996	Ground Water Elevation (ft) 11/19/1996	Ground Water Elevation (ft) 01/16/1997	Ground Water Elevation (ft) 02/04/1997	Ground Water Elevation (ft) 04/15/1997	Ground Water Elevation (ft) 07/08/1997	Ground Water Elevation (ft) 10/22/1997
MW-01	DRY	DRY	DRY	76.60	75.15	---	75.64	DRY	DRY
MW-02	83.32	82.57	83.18	84.22	83.56	---	83.81	83.09	82.84
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	52.45	DRY	55.91	55.91	53.12	---	AB	AB	AB
MW-05	58.98	56.33	55.40	56.49	59.15	---	59.83	59.16	58.34
MW-06	58.13	54.95	53.71	55.61	58.39	---	59.34	58.58	57.97
MW-07 (B)	53.95	52.44	51.22	52.68	54.28	---	54.70	52.93	50.63
MW-08	64.50	59.05	59.56	63.61	64.67	---	65.15	61.65	58.90
MW-09	58.38	55.38	54.24	56.64	58.65	---	59.60	58.76	58.00
MW-10 (B)	59.11	53.88	51.06	54.95	59.61	---	58.11	53.44	50.75
MW-11 (B)	59.53	54.72	52.88	55.85	60.15	---	58.59	55.20	52.50
MW-12	58.54	55.48	54.30	56.18	58.81	---	59.72	58.92	58.21
MW-13	79.35	79.15	79.07	80.68	80.49	---	80.33	79.84	79.53
MW-14	80.66	80.59	80.61	80.08	80.59	---	80.53	80.55	80.58
MW-15 (B)	59.24	54.83	51.58	51.99	58.83	---	59.83	56.63	50.48
MW-16 (B)	65.57	63.31	60.09	61.06	66.13	---	66.89	64.43	58.45
MW-17	58.46	57.89	55.96	58.02	59.33	---	59.64	58.33	DRY
MW-18	72.32	70.81	70.77	73.04	73.31	72.78	73.60	71.34	69.71
MW-19	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	50.26	DRY	DRY	DRY	DRY	---	AB	AB	AB
MW-21	NI	NI	NI	NI	NI	63.69	63.74	63.06	62.93
MW-22	NI	NI	NI	NI	NI	63.69	67.92	67.35	65.96
MW-23 (B)	NI	NI	NI	NI	NI	NI	37.71	35.61	32.29
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	58.31	55.13	53.90	55.83	58.57	---	59.51	58.70	58.01
PZ-02	57.97	54.90	53.53	55.25	58.23	---	59.13	58.34	57.65
RW-01	51.94	48.05	41.80	47.33	50.74	---	50.30	43.34	42.03
RW-02 (B)	59.14	51.01	42.02	55.39	60.03	---	55.69	44.07	42.89
SUMP	74.78	74.56	74.85	74.77	74.71	---	74.94	75.01	74.75

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 01/29/1998	Ground Water Elevation (ft) 04/15/1998	Ground Water Elevation (ft) 10/20/1998	Ground Water Elevation (ft) 04/28/1999	Ground Water Elevation (ft) 10/19/1999	Ground Water Elevation (ft) 04/06/2000	Ground Water Elevation (ft) 11/07/2000	Ground Water Elevation (ft) 07/03/2001	Ground Water Elevation (ft) 11/08/2001
MW-01	DRY	DRY	DRY	DRY	DRY	80.92	DRY	77.46	76.87
MW-02	83.47	83.52	83.54	83.38	84.44	86.58	83.06	84.33	83.67
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-05	60.86	61.05	60.04	59.91	55.35	60.52	59.83	60.92	60.10
MW-06	60.46	60.57	59.69	59.11	53.34	60.36	59.40	55.87	59.67
MW-07 (B)	52.90	53.82	51.76	54.57	51.73	54.87	DRY	53.34	51.92
MW-08	64.98	67.17	59.86	64.21	62.37	66.41	61.45	65.63	60.92
MW-09	60.51	60.56	59.71	59.68	54.25	60.62	59.42	60.51	59.68
MW-10 (B)	55.78	61.08	51.88	57.97	51.32	57.60	52.73	57.22	52.60
MW-11 (B)	56.75	61.73	53.98	58.36	53.31	59.39	54.66	59.15	54.73
MW-12	60.67	60.80	59.89	59.53	54.09	60.71	59.62	60.63	59.87
MW-13	78.87	78.67	78.31	78.08	80.75	80.89	80.53	79.95	80.10
MW-14	80.78	80.78	80.64	80.54	80.67	80.60	80.75	79.74	80.77
MW-15 (B)	56.34	62.10	52.58	58.94	50.95	58.81	54.32	58.98	53.52
MW-16 (B)	65.71	68.03	61.84	65.99	59.81	66.92	63.57	66.14	63.58
MW-17	59.70	59.51	57.93	58.76	57.47	60.28	58.33	58.55	58.02
MW-18	73.50	73.29	70.74	72.46	70.78	75.08	71.61	72.09	71.36
MW-19	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-21	63.82	63.54	63.23	63.31	62.69	64.42	62.59	62.53	62.58
MW-22	68.51	68.39	67.83	68.05	67.69	68.52	66.42	68.13	68.15
MW-23 (B)	34.95	37.95	33.57	36.76	32.48	36.69	33.97	36.21	33.25
MW-24	NI	NI	NI	-7.38*	-10.22*	-9.96*	-10.43*	-10.41*	-10.39*
PZ-01	60.50	60.61	59.70	59.30	53.65	60.51	59.44	---	59.70
PZ-02	60.22	60.34	59.46	59.03	52.71	60.17	59.16	---	59.48
RW-01	43.13	32.60	32.36	54.69	---	50.73	40.88	---	36.48
RW-02 (B)	52.74	59.94	44.33	56.74	---	54.52	42.86	---	42.97
SUMP	74.89	74.96	75.20	75.26	---	78.49	74.91	75.33	75.05

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 04/03/2002
MW-01	77.42
MW-02	84.28
MW-03	AB
MW-04	AB
MW-05	60.80
MW-06	60.42
MW-07 (B)	53.59
MW-08	64.16
MW-09	60.47
MW-10 (B)	56.07
MW-11 (B)	57.19
MW-12	60.64
MW-13	78.65
MW-14	80.48
MW-15 (B)	59.03
MW-16 (B)	66.25
MW-17	59.24
MW-18	73.75
MW-19	DRY
MW-20	AB
MW-21	63.39
MW-22	68.71
MW-23 (B)	35.68
MW-24	-10.35*
PZ-01	60.45
PZ-02	60.18
RW-01	36.53
RW-02 (B)	49.85
SUMP	75.13

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4866
Samp. Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

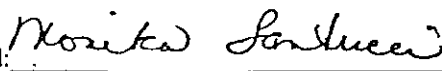
Collected: 05/01/02 Matrix: Water
Received: 05/01/02 QC Batch: 050102W1
Prepared: 05/01/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	05/01/02	
Methylene chloride	<2.0		1	05/01/02	
trans-1,2-Dichloroethene	<.50		1	05/01/02	
cis-1,2-Dichloroethene	<.50		1	05/01/02	
Trichloroethene	<.50		1	05/01/02	
4-Methyl-2-pentanone	<5.0		1	05/01/02	
Toluene	<.50		1	05/01/02	
2-Hexanone	<5.0		1	05/01/02	
Tetrachloroethene	<.50		1	05/01/02	
1,1,2,2-Tetrachloroethane	<.50		1	05/01/02	
Dibromofluoromethane (surrogate)	101.%	71 - 130	1	05/01/02	
1,2-Dichloroethane-d4 (surrogate)	99.%	76 - 126	1	05/01/02	
Toluene-d8 (surrogate)	102.%	82 - 119	1	05/01/02	
Bromofluorobenzene (surrogate)	87.%	75 - 119	1	05/01/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: May 2, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4864
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

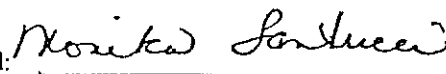
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 QC Batch: 050202W1
Prepared: 05/02/02 %Solids:
Analyzed: 05/02/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: May 3, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4864
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 QC Batch: 050202W1
Prepared: 05/02/02 %Solids:
Analyzed: 05/02/02 Sample Size: 5 ml

Number of analytes: 34

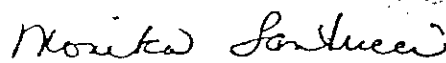
Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	860.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	106.%		1	76-115	
Fluorobenzene (surrogate)	100.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized:



Date: May 3, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4865
Samp. Description: WTP In Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 QC Batch: 050202W1
Prepared: 05/02/02 %Solids:
Analyzed: 05/02/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<1.	U	1	
Bromodichloromethane	<1.	U	1	
Bromoform	<10.	U	1	
Bromomethane	<10.	U	1	
Carbon tetrachloride	<1.	U	1	
Chlorobenzene	<1.	U	1	
Chloroethane	<1.	U	1	
2-Chloroethylvinyl ether	<10.	U	1	
Chloroform	<1.	U	1	
Chloromethane	<10.	U	1	
Dibromochloromethane	<1.	U	1	
1,2-Dichlorobenzene	<5.	U	1	
1,3-Dichlorobenzene	<5.	U	1	
1,4-Dichlorobenzene	<5.	U	1	
Dichlorodifluoromethane	<10.	U	1	
1,1-Dichloroethane	<1.	U	1	
1,2-Dichloroethane	<1.	U	1	
1,1-Dichloroethylene	<1.	U	1	
cis-1,2-Dichloroethylene	8.		1	
trans-1,2-Dichloroethylene	<1.	U	1	
Dichloromethane	<1.	U	1	
1,2-Dichloropropane	<1.	U	1	
cis-1,3-Dichloropropylene	<1.	U	1	
trans-1,3-Dichloropropylene	<1.	U	1	
Ethylbenzene	<1.	U	1	
1,1,2,2-Tetrachloroethane	<1.	U	1	
Tetrachloroethylene	<1.	U	1	
Toluene	2.		1	
1,1,1-Trichloroethane	<1.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: May 3, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4865
Samp. Description: WTP In Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 QC Batch: 050202W1
Prepared: 05/02/02 %Solids:
Analyzed: 05/02/02 Sample Size: 5 ml

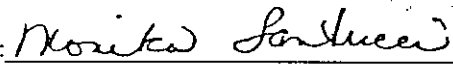
Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<1.	U	1	
Trichloroethylene	53.		1	
Trichlorofluoromethane	<1.	U	1	
Vinyl Chloride	<1.	U	1	
Xylenes (total)	<3.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	105.%		1	76-115	
Fluorobenzene (surrogate)	100.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: May 3, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 1953
Sample: U4867
Samp. Description: WTP Effluent
Units: mg/L

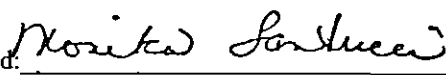
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	05/08/02	05/08/02	050802W1	1	
Zinc	<.01	200.7	05/06/02	05/07/02	050602W1	1	

Notes:

J-Estimated value

Authorized: 
Date: May 15, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 1953
Sample: U4867
Samp. Description: WTP Effluent

Collected: 05/01/02 Matrix: Water
Received: 05/01/02 09:40

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	860.	mg/L	EPA 160.1		05/06/02	050602W26	
Total suspended solids	<5.	mg/L	EPA 160.2		05/06/02	050602W25	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: May 9, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

1953

Client: <u>OGINA</u>						Analysis/Method								
Project: <u>FORMER ACCURATE DIE</u>						VOC's 8021 VOC's 8260 TSS/TDS Zn+Hg								
Sampled by: <u>MARTIN KOENNECKE</u>														
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>														
Sample Description														
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments								
WTP Influent	5-1-02	7:00	WATER	GRAB	2	2								
WTP In Between CARBONS	5-1-02	7:00	WATER	GRAB	2	2								
WTP Effluent	5-1-02	7:00	WATER	GRAB	2		2							
WTP Effluent	5-1-02	7:30	WATER	Comp	2			1	1					
Relinquished by: <u>Martin Koennecke</u> Date: <u>5-1-02</u> Time: <u>9:40</u>						Received by: <u>Michael Prohaska</u> Date: <u>5-1-02</u> Time: <u>9:40</u>								
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____								
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: _____ Date: _____ Time: _____								
Shipment Method: <u>HAND</u>						Airbill Number: _____								

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:

Cooler Temperature: 4°C

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2000
Sample: U5067
Samp. Description: WTP Effluent

Collected: 05/07/02 08:30 Matrix: Water
Received: 05/07/02 09:10

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	860.	mg/L	EPA 160.1		05/10/02	051002W23	
Total suspended solids	<5.	mg/L	EPA 160.2		05/08/02	050802W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: May 16, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Original Laboratory	Conv Client
1000	1000
1001	1001
1002	1002
1003	1003
1004	1004
1005	1005
1006	1006
1007	1007
1008	1008
1009	1009
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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2093
Sample: U6500
Samp. Description: WTP Effluent - Grab
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/14/02 Matrix: Water
Received: 05/14/02 QC Batch: 051502W2
Prepared: 05/15/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed Notes
		Limits	Dilution	
Acetone	<10.		1	05/15/02
Methylene chloride	<2.0		1	05/15/02
trans-1,2-Dichloroethene	<.50		1	05/15/02
cis-1,2-Dichloroethene	<.50		1	05/15/02
Trichloroethene	<.50		1	05/15/02
4-Methyl-2-pentanone	<5.0		1	05/15/02
Toluene	<.50		1	05/15/02
2-Hexanone	<5.0		1	05/15/02
Tetrachloroethene	<.50		1	05/15/02
1,1,2,2-Tetrachloroethane	<.50		1	05/15/02
Dibromofluoromethane (surrogate)	102.%	71 - 130	1	05/15/02
1,2-Dichloroethane-d4 (surrogate)	104.%	76 - 126	1	05/15/02
Toluene-d8 (surrogate)	97.%	82 - 119	1	05/15/02
Bromofluorobenzene (surrogate)	103.%	75 - 119	1	05/15/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: May 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2093
Sample: U6501
Samp. Description: WTP Effluent - Composite
Units: mg/L

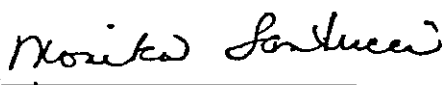
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 05/14/02 Matrix: Water
Received: 05/14/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	05/29/02	05/29/02	052902W1	1	
Zinc	<.01	200.7	05/15/02	05/16/02	051502W2	1	

Notes:

J-Estimated value

Authorized: 
Date: May 29, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2093
Sample: U6501
Samp. Description: WTP Effluent - Composite

Collected: 05/14/02 Matrix: Water
Received: 05/14/02 15:00

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	850.	mg/L	EPA 160.1		05/15/02	051502W23	
Total suspended solids	<5.	mg/L	EPA 160.2		05/15/02	051502W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: May 28, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2093

[illegible]

Turnaround Time Required:

Comments:

Routine _____
Rush (Specify) _____

Cooler Temperature: _____ } 85

Original Laboratory	Conv Client
1000	1000
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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2189
Sample: U9201
Samp. Description: WTP Effluent

Collected: 05/23/02 Matrix: Water
Received: 05/23/02 08:20

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	850.	mg/L	EPA 160.1		05/27/02	052702W21	
Total suspended solids	<5.	mg/L	EPA 160.2		05/27/02	052702W23	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: May 30, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2184

[illegible]

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 4°C

Original Laboratory	Conv Client
---------------------	--------------------

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Wet Chemistry**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2240
Sample: U9911
Samp. Description: WTP Effluent

Collected: 05/28/02 Matrix: Water
Received: 05/29/02 08:35

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	850.	mg/L	EPA 160.1		05/30/02	053002W23	
Total suspended solids	<5.	mg/L	EPA 160.2		05/31/02	053102W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: June 5, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2240

[illegible]

Turnaround Time Required:

Comments:

Routine **X**
Rush (Specify)

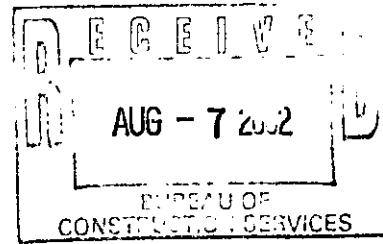
Cooler Temperature: 6°C

Original Laboratory Conv. Client



O'BRIEN & GERE
ENGINEERS, INC.

July 31, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for June 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of July 1, 2002, a total of 48,981,980 gallons of groundwater has been treated since startup on February 5, 1996. Since May 31, 2002, 580,350 gallons of groundwater was treated; 337,370 gallons from recovery well RW-1, 242,940 gallons from recovery well RW-2, and 40 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No ground water was recovered from the sump located outside the northeast corner of the building.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in June 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. On June 11th, ground water samples were collected from monitoring wells MW-13 and MW-24 at the request of the NYSDEC. Neither well was sampled during the semi-annual ground water sampling event that occurred on April 3rd and 4th. During the April sampling event, MW-13 was purged as required by the NYSDEC-approved sampling protocols but did not recover over the course of three days. As such, the well was noted as being dry and could not be sampled. Monitoring well MW-24 was not previously listed for sampling during the April 2002 event.

It should be noted that during the June 11th sampling event, MW-13 was again observed to have a small volume of standing water present in the well. Given the historic difficulties in getting the well to recover following purging when similar observations were made (most recently during the April 2002 sampling event), a sample of the standing water was collected for analysis.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.
July 31, 2002
Page 2

The laboratory analytical data sheets for the samples collected from MW-13 and MW-24 during the June 2002 event are provided as Attachment B.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\6-2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	06/05/2002	06/10/2002	06/12/2002	06/17/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	18528	18746	18700	18736
pH (SU)	6.5 - 8.5		2/Week	Grab	8.48	8.38	8.36	8.41
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	820	---	870	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 06/19/2002	Effluent 06/24/2002	Effluent 06/26/2002	Effluent 06/28/2002
Flow (GPD)	18800	17420	18660	18580
pH (SU)	8.39	8.37	8.37	8.41
Residue, non-filterable (mg/L)	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	890	---	810	---
CBOD5 (mg/L)	---	---	---	---
TKN (mg/L)	---	---	---	---
TOD (mg/L)	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---
Antimony, total (mg/L)	---	---	---	---
Chromium, total (mg/L)	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---
Copper, total (mg/L)	---	---	---	---
Iron, total (mg/L)	---	---	---	---
Lead, total (mg/L)	---	---	---	---
Mercury, total (mg/L)	0.0002 U	---	---	---
Nickel, total (mg/L)	---	---	---	---
Silver, total (mg/L)	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---
Zinc, total (mg/L)	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	0.50 U	---	---	---
Methylene chloride (ug/L)	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	0.50 U	---	---	---
Tetrachloroethene (ug/L)	0.50 U	---	---	---
Toluene (ug/L)	0.50 U	---	---	---
Trichloroethene (ug/L)	0.50 U	---	---	---
Acetone (ug/L)	10 U	---	---	---
2-Hexanone (ug/L)	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2335
Sample: V1465
Samp. Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

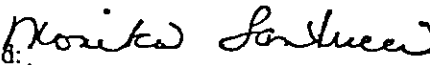
Collected: 06/05/02 Matrix: Water
Received: 06/05/02 QC Batch: 061202W1
Prepared: 06/12/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	06/12/02	
Methylene chloride	<2.0		1	06/12/02	
trans-1,2-Dichloroethene	<.50		1	06/12/02	
cis-1,2-Dichloroethene	<.50		1	06/12/02	
Trichloroethene	<.50		1	06/12/02	
4-Methyl-2-pentanone	<5.0		1	06/12/02	
Toluene	<.50		1	06/12/02	
2-Hexanone	<5.0		1	06/12/02	
Tetrachloroethene	<.50		1	06/12/02	
1,1,2,2-Tetrachloroethane	<.50		1	06/12/02	
Dibromofluoromethane (surrogate)	99. %	71 - 130	1	06/12/02	
1,2-Dichloroethane-d4 (surrogate)	98. %	76 - 126	1	06/12/02	
Toluene-d8 (surrogate)	109. %	82 - 119	1	06/12/02	
Bromofluorobenzene (surrogate)	94. %	75 - 119	1	06/12/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 13, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2335
Sample: V1466
Samp. Description: WTP Influent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

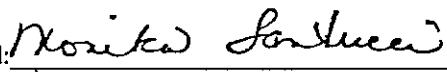
Collected: 06/05/02 Matrix: Water
Received: 06/05/02 QC Batch: 061202W1
Prepared: 06/12/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<500.		50	06/12/02	
Methylene chloride	<100.		50	06/12/02	
trans-1,2-Dichloroethene	<25.		50	06/12/02	
cis-1,2-Dichloroethene	<25.		50	06/12/02	
Trichloroethene	850.		50	06/12/02	
4-Methyl-2-pentanone	<250.		50	06/12/02	
Toluene	<25.		50	06/12/02	
2-Hexanone	<250.		50	06/12/02	
Tetrachloroethene	<25.		50	06/12/02	
1,1,2,2-Tetrachloroethane	<25.		50	06/12/02	
Dibromofluoromethane (surrogate)	99. %	71 - 130	50	06/12/02	
1,2-Dichloroethane-d4 (surrogate)	99. %	76 - 126	50	06/12/02	
Toluene-d8 (surrogate)	109. %	82 - 119	50	06/12/02	
Bromofluorobenzene (surrogate)	89. %	75 - 119	50	06/12/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 13, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2335
Sample: V1467
Samp. Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

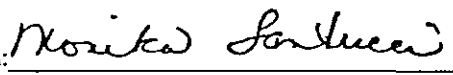
Collected: 06/05/02 Matrix: Water
Received: 06/05/02 QC Batch: 061202W1
Prepared: 06/12/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	06/12/02	
Methylene chloride	<2.0		1	06/12/02	
trans-1,2-Dichloroethene	<.50		1	06/12/02	
cis-1,2-Dichloroethene	<.50		1	06/12/02	
Trichloroethene	<.50		1	06/12/02	
4-Methyl-2-pentanone	<5.0		1	06/12/02	
Toluene	<.50		1	06/12/02	
2-Hexanone	<5.0		1	06/12/02	
Tetrachloroethene	<.50		1	06/12/02	
1,1,2,2-Tetrachloroethane	<.50		1	06/12/02	
Dibromofluoromethane (surrogate)	98.%	71 - 130	1	06/12/02	
1,2-Dichloroethane-d4 (surrogate)	97.%	76 - 126	1	06/12/02	
Toluene-d8 (surrogate)	107.%	82 - 119	1	06/12/02	
Bromofluorobenzene (surrogate)	88.%	75 - 119	1	06/12/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 13, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

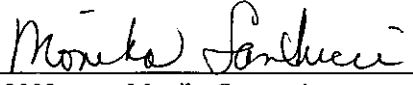
Package#: 2335
Sample: V1468
Samp. Description: WTP Effluent

Collected: 06/05/02 Matrix: Water
Received: 06/05/02 14:26

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	820.	mg/L	EPA 160.1		06/11/02	061102W22	
Total suspended solids	<5.	mg/L	EPA 160.2		06/07/02	060702W23	

Notes:

J-Estimated value

Authorized: 

Date: June 14, 2002

Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2335
Sample: V1468
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027 . 001 . 11102
Certification NY No.: 10155

Collected: 06/05/02 Matrix: Water
Received: 06/05/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	06/07/02	06/07/02	060702W2	1	
Zinc	.01	200.7	06/10/02	06/11/02	061002W2	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: Monika Santucci
Date: June 17, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2335

[illegible]

Turnaround Time Required:
 Routine ☒
 Rush (Specify)

Comments: 

Cooler Temperature: _____

Original Laboratory	Conv Client
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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

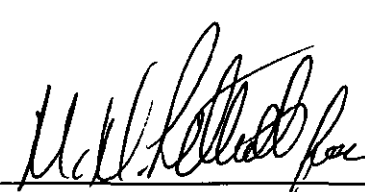
Package#: 2415
Sample: V2905
Samp. Description: WTP Effluent

Collected: 06/12/02 Matrix: Water
Received: 06/12/02 09:15

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	870.	mg/L	EPA 160.1		06/18/02	061802W23	
Total suspended solids	<5.	mg/L	EPA 160.2		06/13/02	061302W21	

Notes:

J-Estimated value

Authorized: 
Date: June 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

2415

Original Laboratory Conv Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2495
Sample: V4323
Samp. Description: WTP Effluent - Grab
Instrument: HP5970 GC/MS#2
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 06/19/02 Matrix: Water
Received: 06/19/02 QC Batch: 062602W2
Prepared: 06/26/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed Notes
Acetone	<10.		1	06/26/02
Methylene chloride	<2.0		1	06/26/02
trans-1,2-Dichloroethene	<.50		1	06/26/02
cis-1,2-Dichloroethene	<.50		1	06/26/02
Trichloroethene	<.50		1	06/26/02
4-Methyl-2-pentanone	<5.0		1	06/26/02
Toluene	<.50		1	06/26/02
2-Hexanone	<5.0		1	06/26/02
Tetrachloroethene	<.50		1	06/26/02
1,1,2,2-Tetrachloroethane	<.50		1	06/26/02
Dibromofluoromethane (surrogate)	107.%	71 - 130	1	06/26/02
1,2-Dichloroethane-d4 (surrogate)	112.%	76 - 126	1	06/26/02
Toluene-d8 (surrogate)	111.%	82 - 119	1	06/26/02
Bromofluorobenzene (surrogate)	104.%	75 - 119	1	06/26/02

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: June 27, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2495
Sample: V4324
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027 . 001.11102
Certification NY No.: 10155

Collected: 06/19/02 Matrix: Water
Received: 06/19/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	06/21/02	06/21/02	062102W1	1	
Zinc	<.01	200.7	06/24/02	06/25/02	062402W2	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: Monika Santucci
Date: July 3, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2495
Sample: V4324
Samp. Description: WTP Effluent - Composite

Collected: 06/19/02 Matrix: Water
Received: 06/19/02 09:20

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	890.	mg/L	EPA 160.1		06/24/02	062402W24	
Total suspended solids	<5.	mg/L	EPA 160.2		06/24/02	062402W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: June 26, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2495

[illegible]

Turnaround Time Required:

Comments:

Routine X
Rush (Specify) _____

Cooler Temperature: 4

Original Laboratory	Conv Client
----------------------------	--------------------

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2580
Sample: V6400
Samp. Description: WTP Effluent

Collected: 06/26/02 Matrix: Water
Received: 06/26/02 12:23

Parameter	Result	Units	Method	Prepared	Analyzed	QC	Batch	Note
Total dissolved solids	810.	mg/L	EPA 160.1		07/03/02		070302W24	
Total suspended solids	<5.	mg/L	EPA 160.2		07/02/02		070202W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: July 10, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

2580

[illegible]

Original Laboratory	Conv. Client
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
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95	95
96	96
97	97
98	98
99	99
100	100

ATTACHMENT B

**MONITORING WELLS MW-13 AND MW-24
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2401
Sample: V2598
Samp. Description: MW-13
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

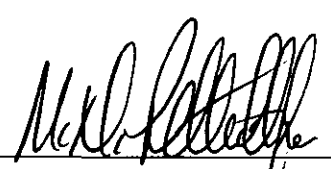
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 06/11/02 Matrix: Water
Received: 06/11/02 QC Batch: 062402W1
Prepared: 06/24/02 %Solids:
Analyzed: 06/24/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: June 25, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2401
Sample: V2598
Samp. Description: MW-13
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 06/11/02 Matrix: Water
Received: 06/11/02 QC Batch: 062402W1
Prepared: 06/24/02 %Solids:
Analyzed: 06/24/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	360.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	100.%		1	76-115	
Fluorobenzene (surrogate)	100.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: June 25, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2401
Sample: V2599
Samp. Description: MW-24
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 50 Instrument: 9001

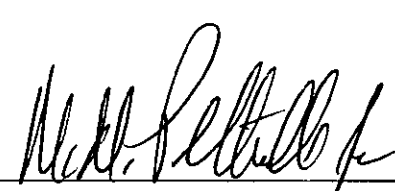
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 06/11/02 Matrix: Water
Received: 06/11/02 QC Batch: 062402W1
Prepared: 06/24/02 %Solids:
Analyzed: 06/24/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<50.	U	1	
Bromodichloromethane	<50.	U	1	
Bromoform	<500.	U	1	
Bromomethane	<500.	U	1	
Carbon tetrachloride	<50.	U	1	
Chlorobenzene	<50.	U	1	
Chloroethane	<50.	U	1	
2-Chloroethylvinyl ether	<500.	U	1	
Chloroform	<50.	U	1	
Chloromethane	<500.	U	1	
Dibromochloromethane	<50.	U	1	
1,2-Dichlorobenzene	<250.	U	1	
1,3-Dichlorobenzene	<250.	U	1	
1,4-Dichlorobenzene	<250.	U	1	
Dichlorodifluoromethane	<500.	U	1	
1,1-Dichloroethane	<50.	U	1	
1,2-Dichloroethane	<50.	U	1	
1,1-Dichloroethylene	<50.	U	1	
cis-1,2-Dichloroethylene	680.		1	
trans-1,2-Dichloroethylene	<50.	U	1	
Dichloromethane	<50.	U	1	
1,2-Dichloropropane	<50.	U	1	
cis-1,3-Dichloropropylene	<50.	U	1	
trans-1,3-Dichloropropylene	<50.	U	1	
Ethylbenzene	<50.	U	1	
1,1,2,2-Tetrachloroethane	<50.	U	1	
Tetrachloroethylene	<50.	U	1	
Toluene	<50.	U	1	
1,1,1-Trichloroethane	<50.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 

Date: June 25, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2401
Sample: V2599
Samp. Description: MW-24
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 50 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 06/11/02 Matrix: Water
Received: 06/11/02 QC Batch: 062402W1
Prepared: 06/24/02 %Solids:
Analyzed: 06/24/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<50.	U	1	
Trichloroethylene	470.		1	
Trichlorofluoromethane	<50.	U	1	
Vinyl Chloride	<50.	U	1	
Xylenes (total)	<150.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	100.%		1	76-115	
Fluorobenzene (surrogate)	101.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: June 25, 2002 Monika Santucci

Chain of Custody

240

[illegible]**Turnaround Time Required:**

Routine

Rush (Specify)

Comments:

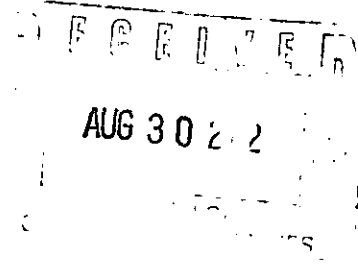
Cooler Temperature:

802

Original Laboratory	Conv Client
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99	99
100	100



O'BRIEN & GERE
ENGINEERS, INC.



August 21, 2002

Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for July 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of August 1, 2002, a total of 49,551,380 gallons of groundwater has been treated since startup on February 5, 1996. Since July 1, 2002, 569,400 gallons of groundwater was treated; 328,330 gallons from recovery well RW-1, and 241,070 gallons from recovery well RW-2. No ground water was recovered from the sump located outside the northeast corner of the building, nor from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in July 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.
August 21, 2002
Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRESPONDENCE\2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.



Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	07/02/2002	07/09/2002	07/10/2002	07/11/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	18780	18480	---	18470
pH (SU)	6.5 - 8.5		2/Week	Grab	8.39	8.37	---	8.37
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	950	---	910	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	5 U	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	0.4 U	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	9.30 U	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	0.1 U	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	0.06 U	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	0.01 U	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	0.05 U	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	0.01 U	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	0.05 U	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	0.005 U	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	0.05 U	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	0.01 U	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	0.05 U	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 07/16/2002	Effluent 07/17/2002	Effluent 07/18/2002	Effluent 07/23/2002	Effluent 07/25/2002	Effluent 07/30/2002	Effluent 07/31/2002	Effluent 08/01/2002
Flow (GPD)	18460	---	18470	18230	18410	18420	---	18090
pH (SU)	8.41	---	8.39	8.39	8.37	8.39	---	8.37
Residue, non-filterable (mg/L)	---	5 U	---	5 U	---	---	5 U	---
Total dissolved solids (TDS) (mg/L)	---	890	---	960	---	---	1100	---
CBOD5 (mg/L)	---	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	0.0002 U	---	---	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	0.01 U	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	0.50 U	---	---	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	0.50 U	---	---	---	---	---	---
Methylene chloride (ug/L)	---	2.0 U	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	0.50 U	---	---	---	---	---	---
Tetrachloroethene (ug/L)	---	0.50 U	---	---	---	---	---	---
Toluene (ug/L)	---	0.50 U	---	---	---	---	---	---
Trichloroethene (ug/L)	---	0.50 U	---	---	---	---	---	---
Acetone (ug/L)	---	10 U	---	---	---	---	---	---
2-Hexanone (ug/L)	---	5.0 U	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	5.0 U	---	---	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6874
Samp. Description: WTP Effluent (Grab)
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

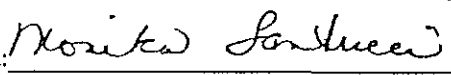
Collected: 07/02/02 Matrix: Water
Received: 07/02/02 QC Batch: 071002W1
Prepared: 07/11/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	07/11/02	
Methylene chloride	<2.0		1	07/11/02	
trans-1,2-Dichloroethene	<.50		1	07/11/02	
cis-1,2-Dichloroethene	<.50		1	07/11/02	
Trichloroethene	<.50		1	07/11/02	
4-Methyl-2-pentanone	<5.0		1	07/11/02	
Toluene	<.50		1	07/11/02	
2-Hexanone	<5.0		1	07/11/02	
Tetrachloroethene	<.50		1	07/11/02	
1,1,2,2-Tetrachloroethane	<.50		1	07/11/02	
Dibromofluoromethane (surrogate)	95.%	71 - 130	1	07/11/02	
1,2-Dichloroethane-d4 (surrogate)	94.%	76 - 126	1	07/11/02	
Toluene-d8 (surrogate)	108.%	82 - 119	1	07/11/02	
Bromofluorobenzene (surrogate)	86.%	75 - 119	1	07/11/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: July 11, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6875
Samp. Description: WTP Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

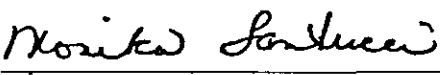
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 QC Batch: 071502W1
Prepared: 07/15/02 %Solids:
Analyzed: 07/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<1.	U	1	
Bromodichloromethane	<1.	U	1	
Bromoform	<10.	U	1	
Bromomethane	<10.	U	1	
Carbon tetrachloride	<1.	U	1	
Chlorobenzene	<1.	U	1	
Chloroethane	<1.	U	1	
2-Chloroethylvinyl ether	<10.	U	1	
Chloroform	<1.	U	1	
Chloromethane	<10.	U	1	
Dibromochloromethane	<1.	U	1	
1,2-Dichlorobenzene	<5.	U	1	
1,3-Dichlorobenzene	<5.	U	1	
1,4-Dichlorobenzene	<5.	U	1	
Dichlorodifluoromethane	<10.	U	1	
1,1-Dichloroethane	<1.	U	1	
1,2-Dichloroethane	<1.	U	1	
1,1-Dichloroethylene	<1.	U	1	
cis-1,2-Dichloroethylene	<1.	U	1	
trans-1,2-Dichloroethylene	<1.	U	1	
Dichloromethane	<1.	U	1	
1,2-Dichloropropane	<1.	U	1	
cis-1,3-Dichloropropylene	<1.	U	1	
trans-1,3-Dichloropropylene	<1.	U	1	
Ethylbenzene	<1.	U	1	
1,1,2,2-Tetrachloroethane	<1.	U	1	
Tetrachloroethylene	<1.	U	1	
Toluene	<1.	U	1	
1,1,1-Trichloroethane	<1.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: July 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6875
Samp. Description: WTP Between Carbons
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 1 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 QC Batch: 071502W1
Prepared: 07/15/02 %Solids:
Analyzed: 07/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<1.	U	1	
Trichloroethylene	<1.	U	1	
Trichlorofluoromethane	<1.	U	1	
Vinyl Chloride	<1.	U	1	
Xylenes (total)	<3.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	113.%		1	76-115	
Fluorobenzene (surrogate)	102.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: July 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6876
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 QC Batch: 071502W1
Prepared: 07/15/02 %Solids:
Analyzed: 07/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
Benzene	<20.	U	1	
Bromodichloromethane	<20.	U	1	
Bromoform	<200.	U	1	
Bromomethane	<200.	U	1	
Carbon tetrachloride	<20.	U	1	
Chlorobenzene	<20.	U	1	
Chloroethane	<20.	U	1	
2-Chloroethylvinyl ether	<200.	U	1	
Chloroform	<20.	U	1	
Chloromethane	<200.	U	1	
Dibromochloromethane	<20.	U	1	
1,2-Dichlorobenzene	<100.	U	1	
1,3-Dichlorobenzene	<100.	U	1	
1,4-Dichlorobenzene	<100.	U	1	
Dichlorodifluoromethane	<200.	U	1	
1,1-Dichloroethane	<20.	U	1	
1,2-Dichloroethane	<20.	U	1	
1,1-Dichloroethylene	<20.	U	1	
cis-1,2-Dichloroethylene	<20.	U	1	
trans-1,2-Dichloroethylene	<20.	U	1	
Dichloromethane	<20.	U	1	
1,2-Dichloropropane	<20.	U	1	
cis-1,3-Dichloropropylene	<20.	U	1	
trans-1,3-Dichloropropylene	<20.	U	1	
Ethylbenzene	<20.	U	1	
1,1,2,2-Tetrachloroethane	<20.	U	1	
Tetrachloroethylene	<20.	U	1	
Toluene	<20.	U	1	
1,1,1-Trichloroethane	<20.	U	1	

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: July 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6876
Samp. Description: WTP Influent
Primary column: Y
Units: ug/L
Column: DB-VRX 75m x .45mm ID
Dilution: 20 Instrument: 9001

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 QC Batch: 071502W1
Prepared: 07/15/02 %Solids:
Analyzed: 07/15/02 Sample Size: 5 ml

Number of analytes: 34

Parameter	Result	Qual	Col	Notes
1,1,2-Trichloroethane	<20.	U	1	
Trichloroethylene	1400.		1	
Trichlorofluoromethane	<20.	U	1	
Vinyl Chloride	<20.	U	1	
Xylenes (total)	<60.	U	1	

Surrogate	Result	Qual	Col	Limits	Notes
2-Chloropropane (surrogate)	103.%		1	76-115	
Fluorobenzene (surrogate)	102.%		1	85-115	

Notes:

- Outside control limits. U - Undetected at the reported level.
J - reported value is estimated.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: July 16, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2625
Sample: V6877
Samp. Description: WTP Effluent (Composite)
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 %Solids:
Number of analytes: 12

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Aluminum	<.1	200.7	07/09/02	07/11/02	070902W2	1	
Antimony	<.06	200.7	07/09/02	07/11/02	070902W2	1	
Chromium	<.01	200.7	07/09/02	07/11/02	070902W2	1	
Cobalt	<.05	200.7	07/09/02	07/11/02	070902W2	1	
Copper	<.01	200.7	07/09/02	07/11/02	070902W2	1	
Iron	<.05	200.7	07/09/02	07/11/02	070902W2	1	
Lead	<.005	200.7	07/09/02	07/11/02	070902W2	1	
Mercury	<.0002	245.1	07/09/02	07/09/02	070902W2	1	
Nickel	<.05	200.7	07/09/02	07/11/02	070902W2	1	
Silver	<.01	200.7	07/09/02	07/11/02	070902W2	1	
Vanadium	<.05	200.7	07/09/02	07/11/02	070902W2	1	
Zinc	<.01	200.7	07/09/02	07/11/02	070902W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: July 15, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2626
Sample: V6878
Samp. Description: WTP Effluent (Lab Filter, - Comp)
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/02/02 Matrix: Water
Received: 07/02/02 %Solids:
Number of analytes: 1

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Aluminum	<.1	200.7	07/09/02	07/11/02	070902W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: July 15, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2625
Sample: V6877
Samp. Description: WTP Effluent (Composite)

Collected: 07/02/02 13:50 Matrix: Water
Received: 07/02/02 14:25

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
CBOD5	<5.	mg/L	SM5210B		07/02/02	070202W11	
Total Kjeldahl nitrogen	<.4	mg/L	EPA 351.2	07/10/02	07/11/02	071002W1	
Total dissolved solids	950.	mg/L	EPA 160.1		07/09/02	070902W24	
Total suspended solids	<5.	mg/L	EPA 160.2		07/09/02	070902W25	

Notes:

J-Estimated value

Authorized: 
Date: July 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2626

2625

[illegible]

Turnaround Time Required:

Comments:

Routine X
Rush (Specify) _____

Cooler Temperature: 3°C

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2678
Sample: V7750
Samp. Description: WTP Effluent

Collected: 07/10/02 Matrix: Water
Received: 07/10/02 12:15

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	910.	mg/L	EPA 160.1		07/15/02	071502W22	
Total suspended solids	<5.	mg/L	EPA 160.2		07/11/02	071102W11	

Notes:

J-Estimated value

Authorized: 
Date: July 30, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2678

[illegible]**Turnaround Time Required:**

Routine

Rush (Specify)

Comments:

Cooler Temperature: _____

7°C

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2744
Sample: V9605
Samp. Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/17/02 Matrix: Water
Received: 07/17/02 QC Batch: 072402W1
Prepared: 07/24/02 %Solids:
Purge volume: 25 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	07/24/02	
Methylene chloride	<2.0		1	07/24/02	
trans-1,2-Dichloroethene	<.50		1	07/24/02	
cis-1,2-Dichloroethene	<.50		1	07/24/02	
Trichloroethene	<.50		1	07/24/02	
4-Methyl-2-pentanone	<5.0		1	07/24/02	
Toluene	<.50		1	07/24/02	
2-Hexanone	<5.0		1	07/24/02	
Tetrachloroethene	<.50		1	07/24/02	
1,1,2,2-Tetrachloroethane	<.50		1	07/24/02	
Dibromofluoromethane (surrogate)	95. %	71 - 130	1	07/24/02	
1,2-Dichloroethane-d4 (surrogate)	92. %	76 - 126	1	07/24/02	
Toluene-d8 (surrogate)	107. %	82 - 119	1	07/24/02	
Bromofluorobenzene (surrogate)	77. %	75 - 119	1	07/24/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: July 26, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2744
Sample: V9606
Samp. Description: WTP Effluent
Units: mg/L

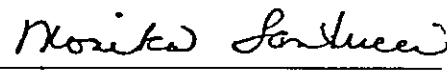
Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 07/17/02 Matrix: Water
Received: 07/17/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	07/29/02	07/29/02	072902W2	1	
Zinc	<.01	200.7	07/18/02	07/19/02	071802W2	1	

Notes:

J-Estimated value

Authorized: 
Date: July 30, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2744
Sample: V9606
Samp. Description: WTP Effluent

Collected: 07/17/02 Matrix: Water
Received: 07/17/02 09:42

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	890.	mg/L	EPA 160.1		07/18/02	071802W25	
Total suspended solids	<5.	mg/L	EPA 160.2		07/19/02	071902W24	

Notes:

J-Estimated value

Authorized: Monika Santucci /BPW
Date: August 1, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2744

Turnaround Time Required:

Routine ☒
Rush (Specify) _____

Comments:

Cooler Temperature: 6

Original Laboratory	Conv Client
----------------------------	--------------------

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2800
Sample: W0564
Samp. Description: WTP Effluent

Collected: 07/23/02 Matrix: Water
Received: 07/23/02 13:18

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	960.	mg/L	EPA 160.1		07/26/02	072602W16	
Total suspended solids	<5.	mg/L	EPA 160.2		07/26/02	072602W19	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: August 5, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

**5000 Briltonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2800

[illegible]

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 3°C

Original Laboratory Comp. Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2858
Sample: W2139
Samp. Description: WTP Effluent

Collected: 07/31/02 Matrix: Water
Received: 07/31/02 09:20

Parameter	Result	Units	Method	Prepared	Analyzed	QC	Batch	Note
Total dissolved solids	1100.	mg/L	EPA 160.1		08/01/02		080102W12	
Total suspended solids	<5.	mg/L	EPA 160.2		08/02/02		080202W19	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: August 12, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2858

[illegible]**Turnaround Time Required:****Comments:**

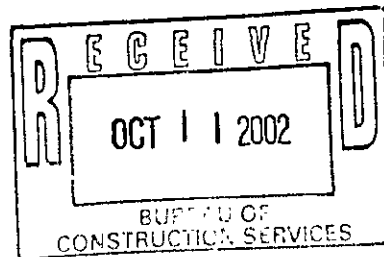
Routine X
Rush (Specify) _____

Cooler Temperature: 6

	Original Laboratory	Conv Client
1	08-06-07	08-06-07
2	08-06-07	08-06-07
3	08-06-07	08-06-07
4	08-06-07	08-06-07
5	08-06-07	08-06-07
6	08-06-07	08-06-07
7	08-06-07	08-06-07
8	08-06-07	08-06-07
9	08-06-07	08-06-07
10	08-06-07	08-06-07
11	08-06-07	08-06-07
12	08-06-07	08-06-07
13	08-06-07	08-06-07
14	08-06-07	08-06-07
15	08-06-07	08-06-07
16	08-06-07	08-06-07
17	08-06-07	08-06-07
18	08-06-07	08-06-07
19	08-06-07	08-06-07
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21	08-06-07	08-06-07
22	08-06-07	08-06-07
23	08-06-07	08-06-07
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26	08-06-07	08-06-07
27	08-06-07	08-06-07
28	08-06-07	08-06-07
29	08-06-07	08-06-07
30	08-06-07	08-06-07
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32	08-06-07	08-06-07
33	08-06-07	08-06-07
34	08-06-07	08-06-07
35	08-06-07	08-06-07
36	08-06-07	08-06-07
37	08-06-07	08-06-07
38	08-06-07	08-06-07
39	08-06-07	08-06-07
40	08-06-07	08-06-07
41	08-06-07	08-06-07
42	08-06-07	08-06-07
43	08-06-07	08-06-07
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45	08-06-07	08-06-07
46	08-06-07	08-06-07
47	08-06-07	08-06-07
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51	08-06-07	08-06-07
52	08-06-07	08-06-07
53	08-06-07	08-06-07
54	08-06-07	08-06-07
55	08-06-07	08-06-07
56	08-06-07	08-06-07
57	08-06-07	08-06-07
58	08-06-07	08-06-07
59	08-06-07	08-06-07
60	08-06-07	08-06-07
61	08-06-07	08-06-07
62	08-06-07	08-06-07
63	08-06-07	08-06-07
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65	08-06-07	08-06-07
66	08-06-07	08-06-07
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93	08-06-07	08-06-07
94	08-06-07	08-06-07
95	08-06-07	08-06-07
96	08-06-07	08-06-07
97	08-06-07	08-06-07
98	08-06-07	08-06-07
99	08-06-07	08-06-07
100	08-06-07	08-06-07



October 4, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for August 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of September 3, 2002, a total of 50,138,960 gallons of groundwater has been treated since startup on February 5, 1996. Since August 1, 2002, 587,580 gallons of groundwater was treated; 333,330 gallons from recovery well RW-1, 253,270 gallons from recovery well RW-2, and 980 gallons from the sump located outside the northeast corner of the building. No ground water was recovered from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in August 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.

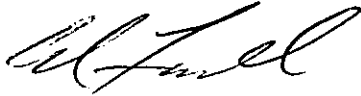
October 4, 2002

Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\8-2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	07/31/2002	08/01/2002	08/06/2002	08/08/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	---	18090	17958	17952
pH (SU)	6.5 - 8.5		2/Week	Grab	---	8.37	8.37	8.37
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	1100	---	880	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	---	---	0.0002 U	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	---	---	0.01 U	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	0.50 U	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	0.50 U	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	---	---	2.0 U	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	---	---	0.50 U	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	---	---	0.50 U	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	0.50 U	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	0.50 U	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	---	---	10 U	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	---	---	5.0 U	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	---	---	5.0 U	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 08/13/2002	Effluent 08/14/2002	Effluent 08/15/2002	Effluent 08/20/2002	Effluent 08/21/2002	Effluent 08/22/2002	Effluent 08/27/2002	Effluent 08/29/2002
Flow (GPD)	18000	---	17870	17880	---	17590	17650	17456
pH (SU)	8.37	---	8.37	8.39	---	8.39	8.39	8.39
Residue, non-filterable (mg/L)	---	5 U	---	---	5 U	---	---	---
Total dissolved solids (TDS) (mg/L)	---	890	---	---	890	---	---	780
CBOD5 (mg/L)	---	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	---	---	0.0002 U	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	---	---	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	---	---	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	---	---	0.50 U	---	---	---
Methylene chloride (ug/L)	---	---	---	---	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	---	---	0.50 U	---	---	---
Tetrachloroethene (ug/L)	---	---	---	---	0.50 U	---	---	---
Toluene (ug/L)	---	---	---	---	0.50 U	---	---	---
Trichloroethene (ug/L)	---	---	---	---	0.50 U	---	---	---
Acetone (ug/L)	---	---	---	---	10 U	---	---	---
2-Hexanone (ug/L)	---	---	---	---	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	---	---	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2904
Sample: W2713
Samp. Description: WTP Influent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 08/06/02 Matrix: Water
Received: 08/06/02 QC Batch: 080902W3
Prepared: 08/10/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<500.		50	08/10/02	
Methylene chloride	<100.		50	08/10/02	
trans-1,2-Dichloroethene	<25.		50	08/10/02	
cis-1,2-Dichloroethene	<25.		50	08/10/02	
Trichloroethene	790.		50	08/10/02	
4-Methyl-2-pentanone	<250.		50	08/10/02	
Toluene	<25.		50	08/10/02	
2-Hexanone	<250.		50	08/10/02	
Tetrachloroethene	<25.		50	08/10/02	
1,1,2,2-Tetrachloroethane	<25.		50	08/10/02	
Dibromofluoromethane (surrogate)	102. %	71 - 130	50	08/10/02	
1,2-Dichloroethane-d4 (surrogate)	100. %	76 - 126	50	08/10/02	
Toluene-d8 (surrogate)	95. %	82 - 119	50	08/10/02	
Bromofluorobenzene (surrogate)	91. %	75 - 119	50	08/10/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: August 13, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2904
Sample: W2714
Samp. Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 08/06/02 Matrix: Water
Received: 08/06/02 QC Batch: 080902W3
Prepared: 08/10/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	08/10/02	
Methylene chloride	<2.0		1	08/10/02	
trans-1,2-Dichloroethene	<.50		1	08/10/02	
cis-1,2-Dichloroethene	3.8		1	08/10/02	
Trichloroethene	21.		1	08/10/02	
4-Methyl-2-pentanone	<5.0		1	08/10/02	
Toluene	<.50		1	08/10/02	
2-Hexanone	<5.0		1	08/10/02	
Tetrachloroethene	<.50		1	08/10/02	
1,1,2,2-Tetrachloroethane	<.50		1	08/10/02	
Dibromofluoromethane (surrogate)	102. %	71 - 130	1	08/10/02	
1,2-Dichloroethane-d4 (surrogate)	101. %	76 - 126	1	08/10/02	
Toluene-d8 (surrogate)	96. %	82 - 119	1	08/10/02	
Bromofluorobenzene (surrogate)	90. %	75 - 119	1	08/10/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized:

Date: August 13, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2904
Sample: W2715
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 08/06/02 Matrix: Water
Received: 08/06/02 QC Batch: 080902W3
Prepared: 08/10/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	08/10/02	
Methylene chloride	<2.0		1	08/10/02	
trans-1,2-Dichloroethene	<.50		1	08/10/02	
cis-1,2-Dichloroethene	<.50		1	08/10/02	
Trichloroethene	<.50		1	08/10/02	
4-Methyl-2-pentanone	<5.0		1	08/10/02	
Toluene	<.50		1	08/10/02	
2-Hexanone	<5.0		1	08/10/02	
Tetrachloroethene	<.50		1	08/10/02	
1,1,2,2-Tetrachloroethane	<.50		1	08/10/02	
Dibromofluoromethane (surrogate)	102. %	71 - 130	1	08/10/02	
1,2-Dichloroethane-d4 (surrogate)	100. %	76 - 126	1	08/10/02	
Toluene-d8 (surrogate)	95. %	82 - 119	1	08/10/02	
Bromofluorobenzene (surrogate)	92. %	75 - 119	1	08/10/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci

Date: August 13, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 2904
Sample: W2716
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 08/06/02 Matrix: Water
Received: 08/06/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	08/14/02	08/14/02	081402W2	1	
Zinc	<.01	200.7	08/09/02	08/12/02	080902W2	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: August 19, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2904
Sample: W2716
Samp. Description: WTP Effluent - Composite

Collected: 08/06/02 Matrix: Water
Received: 08/06/02 11:25

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	880.	mg/L	EPA 160.1		08/12/02	081202W27	
Total suspended solids	<5.	mg/L	EPA 160.2		08/06/02	080602W29	

Notes:

J-Estimated value

Authorized: 
Date: August 19, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brillonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2904

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:Cooler Temperature: 10°C

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 2968
Sample: W3808
Samp. Description: WTP Effluent

Collected: 08/14/02 Matrix: Water
Received: 08/14/02 09:45

Parameter	Result	Units	Method	Prepared	Analyzed	QC	Batch	Note
Total dissolved solids	890.	mg/L	EPA 160.1		08/19/02		081902W23	
Total suspended solids	<5.	mg/L	EPA 160.2		08/14/02		081402W29	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: August 23, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Original Laboratory	Conv-Client
---------------------	-------------

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8260**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3024
Sample: W5024
Samp. Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

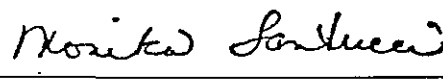
Collected: 08/21/02 Matrix: Water
Received: 08/21/02 QC Batch: 082302W1
Prepared: 08/23/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog Limits	Dilution	Analyzed	Notes
Acetone	<10.		1	08/23/02	
Methylene chloride	<2.0		1	08/23/02	
trans-1,2-Dichloroethene	<.50		1	08/23/02	
cis-1,2-Dichloroethene	<.50		1	08/23/02	
Trichloroethene	<.50		1	08/23/02	
4-Methyl-2-pentanone	<5.0		1	08/23/02	
Toluene	<.50		1	08/23/02	
2-Hexanone	<5.0		1	08/23/02	
Tetrachloroethene	<.50		1	08/23/02	
1,1,2,2-Tetrachloroethane	<.50		1	08/23/02	
Dibromofluoromethane (surrogate)	101.%	71 - 130	1	08/23/02	
1,2-Dichloroethane-d4 (surrogate)	104.%	76 - 126	1	08/23/02	
Toluene-d8 (surrogate)	90.%	82 - 119	1	08/23/02	
Bromofluorobenzene (surrogate)	86.%	75 - 119	1	08/23/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 
Date: August 27, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Trace Metals**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3024
Sample: W5023
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 08/21/02 Matrix: Water
Received: 08/21/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	08/22/02	08/22/02	082202W1	1	
Zinc	<.01	200.7	08/27/02	08/30/02	082702W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 3, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3024
Sample: W5023
Samp. Description: WTP Effluent - Composite

Collected: 08/21/02 Matrix: Water
Received: 08/21/02 09:10

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	890.	mg/L	EPA 160.1		08/22/02	082202W8	
Total suspended solids	<5.	mg/L	EPA 160.2		08/22/02	082202W7	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 3, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

3024

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Cooler Temperature: 40°C

	Original Laboratory	Conv-Client
1.	100%	98%
2.	100%	97%
3.	100%	96%
4.	100%	95%
5.	100%	94%
6.	100%	93%
7.	100%	92%
8.	100%	91%
9.	100%	90%
10.	100%	89%
11.	100%	88%
12.	100%	87%
13.	100%	86%
14.	100%	85%
15.	100%	84%
16.	100%	83%
17.	100%	82%
18.	100%	81%
19.	100%	80%
20.	100%	79%
21.	100%	78%
22.	100%	77%
23.	100%	76%
24.	100%	75%
25.	100%	74%
26.	100%	73%
27.	100%	72%
28.	100%	71%
29.	100%	70%
30.	100%	69%
31.	100%	68%
32.	100%	67%
33.	100%	66%
34.	100%	65%
35.	100%	64%
36.	100%	63%
37.	100%	62%
38.	100%	61%
39.	100%	60%
40.	100%	59%
41.	100%	58%
42.	100%	57%
43.	100%	56%
44.	100%	55%
45.	100%	54%
46.	100%	53%
47.	100%	52%
48.	100%	51%
49.	100%	50%
50.	100%	49%
51.	100%	48%
52.	100%	47%
53.	100%	46%
54.	100%	45%
55.	100%	44%
56.	100%	43%
57.	100%	42%
58.	100%	41%
59.	100%	40%
60.	100%	39%
61.	100%	38%
62.	100%	37%
63.	100%	36%
64.	100%	35%
65.	100%	34%
66.	100%	33%
67.	100%	32%
68.	100%	31%
69.	100%	30%
70.	100%	29%
71.	100%	28%
72.	100%	27%
73.	100%	26%
74.	100%	25%
75.	100%	24%
76.	100%	23%
77.	100%	22%
78.	100%	21%
79.	100%	20%
80.	100%	19%
81.	100%	18%
82.	100%	17%
83.	100%	16%
84.	100%	15%
85.	100%	14%
86.	100%	13%
87.	100%	12%
88.	100%	11%
89.	100%	10%
90.	100%	9%
91.	100%	8%
92.	100%	7%
93.	100%	6%
94.	100%	5%
95.	100%	4%
96.	100%	3%
97.	100%	2%
98.	100%	1%
99.	100%	0%
100.	100%	0%

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3097
Sample: W6323
Samp. Description: WTP Effluent

Collected: 08/29/02 Matrix: Water
Received: 08/29/02 08:10

Parameter	Result	Units	Method	Prepared	Analyzed	QC	Batch	Note
Total dissolved solids	780.	mg/L	EPA 160.1		08/30/02		083002W28	
Total suspended solids	<5.	mg/L	EPA 160.2		08/30/02		083002W29	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 9, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

3097
Chain of Custody

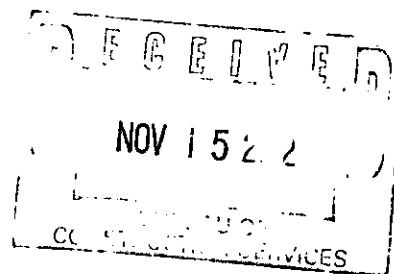
Client: <u>OGINA</u>						Analysis/Method								
Project: <u>Former Accurate Die</u>						TSS, TDS								
Sampled by: <u>MARTIN KOENIGKE</u>														
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>														
Sample Description														
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments								
<u>WTP Effluent</u>	<u>8-29-02</u>	<u>7:30</u>	<u>water</u>	<u>Comp</u>	<u>1</u>	<u>1</u>								
Relinquished by: <u>Martin & Koenigke</u> Date: <u>8-29-02</u> Time: <u>8:10</u>						Received by: _____ Date: _____ Time: _____								
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____								
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Martin F. Jackson</u> Date: <u>8/29/2002</u> Time: <u>08:10</u>								
Shipment Method: <u>HAND</u>						Akbl# Number: _____								

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:

Cooler Temperature: 60°

Original Laboratory Copy Client



November 12, 2002

Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

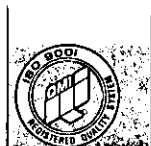
This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for September 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of September 30, 2002, a total of 50,582,730 gallons of groundwater has been treated since startup on February 5, 1996. Since September 3, 2002, 443,770 gallons of groundwater was treated; 260,940 gallons from recovery well RW-1, 182,420 gallons from recovery well RW-2, and 410 gallons from the sump located outside the northeast corner of the building. No ground water was recovered from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in September 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.
November 12, 2002
Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Alfred R. Farrell', written in a cursive style.

Alfred R. Farrell, P.E.
Senior Project Engineer

I:\DIV71\PROJECTS\2488\25463\2_CORRES\9-2002MOR.doc

Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	09/04/2002	09/05/2002	09/10/2002	09/11/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	---	17510	17150	---
pH (SU)	6.5 - 8.5		2/Week	Grab	---	8.41	8.41	---
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	5 U	---	---	5 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	870	---	---	880
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	0.0002 U	---	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	0.01 U	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	2.0 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	0.50 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	0.50 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	0.50 U	---	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	10 U	---	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	5.0 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 09/12/2002	Effluent 09/17/2002	Effluent 09/18/2002	Effluent 09/19/2002	Effluent 09/24/2002	Effluent 09/25/2002	Effluent 09/26/2002
Flow (GPD)	16886	16360	---	16140	15750	---	15730
pH (SU)	8.39	8.41	---	8.39	8.41	---	8.41
Residue, non-filterable (mg/L)	---	---	5 U	---	---	5 U	---
Total dissolved solids (TDS) (mg/L)	---	---	950	---	---	930	---
CBOD5 (mg/L)	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	0.0002 U	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	0.01 U	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Methylene chloride (ug/L)	---	---	2.0 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	0.50 U	---	---	---	---
Tetrachloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Toluene (ug/L)	---	---	0.50 U	---	---	---	---
Trichloroethene (ug/L)	---	---	0.50 U	---	---	---	---
Acetone (ug/L)	---	---	10 U	---	---	---	---
2-Hexanone (ug/L)	---	---	5.0 U	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	5.0 U	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3154
Sample: W7350
Samp. Description: WTP Influent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 QC Batch: 090602W1
Prepared: 09/06/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<500.		50	09/06/02	
Methylene chloride	<100.		50	09/06/02	
trans-1,2-Dichloroethene	<25.		50	09/06/02	
cis-1,2-Dichloroethene	<25.		50	09/06/02	
Trichloroethene	690.		50	09/06/02	
4-Methyl-2-pentanone	<250.		50	09/06/02	
Toluene	<25.		50	09/06/02	
2-Hexanone	<250.		50	09/06/02	
Tetrachloroethene	<25.		50	09/06/02	
1,1,2,2-Tetrachloroethane	<25.		50	09/06/02	
Dibromofluoromethane (surrogate)	112. %	71 - 130	50	09/06/02	
1,2-Dichloroethane-d4 (surrogate)	107. %	76 - 126	50	09/06/02	
Toluene-d8 (surrogate)	100. %	82 - 119	50	09/06/02	
Bromofluorobenzene (surrogate)	85. %	75 - 119	50	09/06/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: September 9, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3154
Sample: W7351
Samp. Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 QC Batch: 090602W1
Prepared: 09/06/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	09/06/02	
Methylene chloride	<2.0		1	09/06/02	
trans-1,2-Dichloroethene	<.50		1	09/06/02	
cis-1,2-Dichloroethene	4.9		1	09/06/02	
Trichloroethene	E 76.		1	09/06/02	
4-Methyl-2-pentanone	<5.0		1	09/06/02	
Toluene	<.50		1	09/06/02	
2-Hexanone	<5.0		1	09/06/02	
Tetrachloroethene	<.50		1	09/06/02	
1,1,2,2-Tetrachloroethane	<.50		1	09/06/02	
Dibromofluoromethane (surrogate)	110.%	71 - 130	1	09/06/02	
1,2-Dichloroethane-d4 (surrogate)	105.%	76 - 126	1	09/06/02	
Toluene-d8 (surrogate)	102.%	82 - 119	1	09/06/02	
Bromofluorobenzene (surrogate)	87.%	75 - 119	1	09/06/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci
Date: September 11, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3154
Sample: W7351 DL
Samp. Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 QC Batch: 091002W1
Prepared: 09/10/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<25.		2.5	09/10/02	
Methylene chloride	<5.0		2.5	09/10/02	
trans-1,2-Dichloroethene	<1.2		2.5	09/10/02	
cis-1,2-Dichloroethene	4.9		2.5	09/10/02	
Trichloroethene	78.		2.5	09/10/02	
4-Methyl-2-pentanone	<12.		2.5	09/10/02	
Toluene	<1.2		2.5	09/10/02	
2-Hexanone	<12.		2.5	09/10/02	
Tetrachloroethene	<1.2		2.5	09/10/02	
1,1,2,2-Tetrachloroethane	<1.2		2.5	09/10/02	
Dibromofluoromethane (surrogate)	116. %	71 - 130	2.5	09/10/02	
1,2-Dichloroethane-d4 (surrogate)	117. %	76 - 126	2.5	09/10/02	
Toluene-d8 (surrogate)	96. %	82 - 119	2.5	09/10/02	
Bromofluorobenzene (surrogate)	81. %	75 - 119	2.5	09/10/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: Monika Santucci

Date: September 11, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3154
Sample: W7352
Samp. Description: WTP Effluent (Grab)
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 14

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 QC Batch: 090602W1
Prepared: 09/06/02 %Solids:
Purge volume: 10 mL

Parameter	Result	Surrog		Analyzed	Notes
		Limits	Dilution		
Acetone	<10.		1	09/06/02	
Methylene chloride	<2.0		1	09/06/02	
trans-1,2-Dichloroethene	<.50		1	09/06/02	
cis-1,2-Dichloroethene	<.50		1	09/06/02	
Trichloroethene	<.50		1	09/06/02	
4-Methyl-2-pentanone	<5.0		1	09/06/02	
Toluene	<.50		1	09/06/02	
2-Hexanone	<5.0		1	09/06/02	
Tetrachloroethene	<.50		1	09/06/02	
1,1,2,2-Tetrachloroethane	<.50		1	09/06/02	
Dibromofluoromethane (surrogate)	109.%	71 - 130	1	09/06/02	
1,2-Dichloroethane-d4 (surrogate)	105.%	76 - 126	1	09/06/02	
Toluene-d8 (surrogate)	100.%	82 - 119	1	09/06/02	
Bromofluorobenzene (surrogate)	85.%	75 - 119	1	09/06/02	

Notes:

- Outside control limits J-Estimated value

E - Concentration exceeded the calibration range and is estimated

Authorized: 

Date: September 9, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3154
Sample: W7349
Samp. Description: WTP Effluent (Composite)

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 12:55

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	870.	mg/L	EPA 160.1		09/10/02	091002W27	
Total suspended solids	<5.	mg/L	EPA 160.2		09/05/02	090502W29	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 13, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3154
Sample: W7349
Samp. Description: WTP Effluent (Composite)
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/04/02 Matrix: Water
Received: 09/04/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.0002	245.1	09/09/02	09/09/02	090902W1	1	
Zinc	<.01	200.7	09/09/02	09/10/02	090902W1	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

3154

Original Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3225
Sample: W8688
Samp. Description: WTP Effluent

Collected: 09/11/02 Matrix: Water
Received: 09/11/02 12:50

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	880.	mg/L	EPA 160.1		09/16/02	091602W21	
Total suspended solids	<5.	mg/L	EPA 160.2		09/16/02	091602W22	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: September 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

3225

Client: <u>OGINA</u>						Analysis/Method											
Project: <u>Former Accurate Die</u>						TSS/TDS											
Sampled by: <u>MARTIN Koennecke</u>																	
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>																	
Sample Description																	
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers												
<u>WTP EFFLUENT</u>	<u>9-11-02</u>	<u>11:50</u>	<u>water</u>	<u>Comp</u>	<u>1</u>	<u>1</u>											
<u>Notified Al Farrell on 9/11/02 that the cooler temperature was 11°C.</u>																	
Relinquished by: <u>Martin Koennecke</u> Date: <u>9-11-02</u> Time: <u>12:50</u>						Received by: <u>[Signature]</u> Date: <u>9/11/02</u> Time: <u>12:50</u>											
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____											
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: _____ Date: _____ Time: _____											
Shipment Method: <u>HAND</u>						Airbill Number: _____											

Turnaround Time Required:

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 11°C

11°C

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3278
Sample: W9630
Sample Description: WTP Effluent - Grab
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 09/18/02 Matrix: Water
Received: 09/18/02 QC Batch: 092702W1
Prepared: 09/28/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.	U	10.	09/28/02
Methylene chloride	<2.0	U	2.0	09/28/02
trans-1,2-Dichloroethene	<.50	U	.50	09/28/02
cis-1,2-Dichloroethene	<.50	U	.50	09/28/02
Trichloroethene	<.50	U	.50	09/28/02
4-Methyl-2-pentanone	<5.0	U	5.0	09/28/02
Toluene	<.50	U	.50	09/28/02
2-Hexanone	<5.0	U	5.0	09/28/02
Tetrachloroethene	<.50	U	.50	09/28/02
1,1,2,2-Tetrachloroethane	<.50	U	.50	09/28/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	114		71-130
1,2-Dichloroethane-d4 (surrogate)	140	#	76-126
Toluene-d8 (surrogate)	98		82-119
Bromofluorobenzene (surrogate)	93		75-119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 1, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3278
Sample: W9629
Samp. Description: WTP Effluent - Composite
Units: mg/L

Job No.: 3027 . 001 . 11102
Certification NY No.: 10155

Collected: 09/18/02 Matrix: Water
Received: 09/18/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	< .0002	245.1	09/23/02	09/23/02	092302W1	1	
Zinc	< .01	200.7	09/24/02	09/26/02	092402W3	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: Monika Santucci
Date: September 26, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3278
Sample: W9629
Sample Description: WTP Effluent - Composite

Collected: 09/18/02
Received: 09/18/02 10:05
Matrix: Water
Number of Analytes: 2

Parameter	Result	Units	Method	PQL	Analyzed	QC	Batch	Note
Total dissolved solids	950.	mg/L	EPA 160.1	10	09/24/02		092402W24	
Total suspended solids	<5. U	mg/L	EPA 160.2	5	09/23/02		092302W21	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: September 26, 2002 Monika Santucci

30

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3377
Sample: X2294
Samp. Description: WTP Effluent

Collected: 09/25/02 Matrix: Water
Received: 09/25/02 11:50

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
Total dissolved solids	930.	mg/L	EPA 160.1		09/30/02	093002W22	
Total suspended solids	<5.	mg/L	EPA 160.2		09/30/02	093002W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: October 1, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: <u>OBINA</u>						Analysis/Method							
Project: <u>Former ACURATE Die</u>						TSS/TDS							
Sampled by: <u>MARTIN KOENNECKE</u>													
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>													
Sample Description													
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	3377							
WTP Effluent	9-25-02	9:00	water	comp	1								
Relinquished by: <u>Martin Koenecke</u> Date: <u>9-25-02</u> Time: <u>11:50</u>						Received by: _____ Date: _____ Time: _____							
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____							
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Martin Koenecke</u> Date: <u>9/25/2002</u> Time: <u>11:50</u>							
Shipment Method: <u>Hand</u>						Airbill Number: _____							

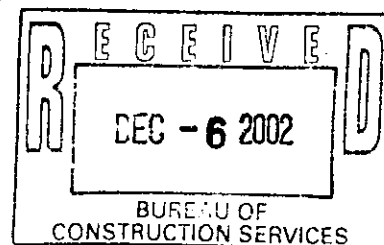
Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:

Cooler Temperature: 45°C



December 2, 2002



Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for October 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of November 1, 2002, a total of 51,065,910 gallons of groundwater has been treated since startup on February 5, 1996. Since September 30, 2002, 483,180 gallons of groundwater was treated; 301,340 gallons from recovery well RW-1, 181,600 gallons from recovery well RW-2, 220 gallons from the sump located outside the northeast corner of the building, and 20 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area.
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in October 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. Between October 10th and 15th, O'Brien & Gere completed the annual round of ground water monitoring as revised based on the January 4, 2002 letter from the New York State Department of Environmental Conservation. During the event, monitoring wells MW-5, -6, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, and -22 were sampled. Piezometers PZ-1 and PZ-2 were also sampled, and a sample of ground water was collected from the sump located outside the northeast corner of the building. The ground water level in monitoring well MW-21 did not recover after being bailed, therefor the well was not sampled.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

During the event, ground water levels were measured in each of the wells on site. Table 2 presents the ground water levels recorded to date. Table 3 presents a summary of the trichloroethylene concentrations for this and previous ground water monitoring events. Table 4 presents a historic summary of other volatile organic compounds detected. The laboratory analytical data sheets are provided as Attachment B.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



Alfred R. Farrell, P.E.
Senior Project Engineer

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Attachments

cc: A. English – NYSDEC
R. Parker – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

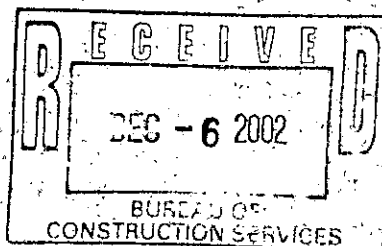




Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	10/01/2002	10/02/2002	10/03/2002	10/08/2002
Flow (GPD)	Monitor	150000	Continuous	Meter	15750	—	15950	15454
pH (SU)	6.5 - 8.5		2/Week	Grab	8.41	—	8.41	8.43
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	—	5 U	—	—
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	—	880	—	—
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	—	5 U	—	—
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	—	0.40 U	—	—
TOD (mg/L)	Monitor	15	Quarterly	Calculated	—	9.30 U	—	—
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	—	—	—	—
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	—	0.10 U	—	—
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	—	0.060 U	—	—
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	—	0.010 U	—	—
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	—	0.050 U	—	—
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	—	0.010 U	—	—
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	—	0.050 U	—	—
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	—	0.0050 U	—	—
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	—	0.0002 U	—	—
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	—	0.050 U	—	—
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	—	0.010 U	—	—
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	—	0.050 U	—	—
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	—	0.014	—	—
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	—	0.50 U	—	—
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	—	0.50 U	—	—
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	—	2.0 U	—	—
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	—	0.50 U	—	—
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	—	0.50 U	—	—
Toluene (ug/L)	Monitor	20	2/Month	Grab	—	0.50 U	—	—
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	—	0.50 U	—	—
Acetone (ug/L)	Monitor	1000	2/Month	Grab	—	10 U	—	—
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	—	5.0 U	—	—
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	—	5.0 U	—	—

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

— - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 10/10/2002	Effluent 10/15/2002	Effluent 10/16/2002	Effluent 10/17/2002	Effluent 10/22/2002	Effluent 10/23/2002	Effluent 10/24/2002	Effluent 10/29/2002
Flow (GPD)	15269	15470	---	7740	15440	---	15610	15650
pH (SU)	8.41	8.41	---	8.35	8.43	---	8.43	8.43
Residue, non-filterable (mg/L)	5.0 U	---	5.0 U	---	---	5.0 U	---	---
Total dissolved solids (TDS) (mg/L)	910	---	---	---	---	940	---	---
CBOD5 (mg/L)	---	---	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	0.00020 U	---	---	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	0.010 U	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	0.50 U	---	---	---	---	---
Methylene chloride (ug/L)	---	---	2.0 U	---	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	0.50 U	---	---	---	---	---
Tetrachloroethene (ug/L)	---	---	0.50 U	---	---	---	---	---
Toluene (ug/L)	---	---	0.50 U	---	---	---	---	---
Trichloroethene (ug/L)	---	---	0.50 U	---	---	---	---	---
Acetone (ug/L)	---	---	10 U	---	---	---	---	---
2-Hexanone (ug/L)	---	---	5.0 U	---	---	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	5.0 U	---	---	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.
 --- - Not analyzed, NA - Data not available
 U - Not Detected, J - Estimated
 TOD = 1.5 X CBOD5 + 4.5 X TKN



Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent
	10/31/2002
Flow (GPD)	15430
pH (SU)	8.43
Residue, non-filterable (mg/L)	5.0 U
Total dissolved solids (TDS) (mg/L)	960
CBOD5 (mg/L)	—
TKN (mg/L)	—
TOD (mg/L)	—
Dissolved Oxygen (mg/L)	—
Aluminum, dissolved (mg/L)	—
Antimony, total (mg/L)	—
Chromium, total (mg/L)	—
Cobalt, total (mg/L)	—
Copper, total (mg/L)	—
Iron, total (mg/L)	—
Lead, total (mg/L)	—
Mercury, total (mg/L)	—
Nickel, total (mg/L)	—
Silver, total (mg/L)	—
Vanadium, total (mg/L)	—
Zinc, total (mg/L)	—
cis-1,2-Dichloroethene (ug/L)	—
trans-1,2-Dichloroethene (ug/L)	—
Methylene chloride (ug/L)	—
1,1,2,2-Tetrachloroethane (ug/L)	—
Tetrachloroethene (ug/L)	—
Toluene (ug/L)	—
Trichloroethene (ug/L)	—
Acetone (ug/L)	—
2-Hexanone (ug/L)	—
4-Methyl-2-pentanone (MIBK) (ug/L)	—
NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997. — - Not analyzed, NA - Data not available U - Not Detected, J - Estimated TOD = 1.5 X CBOD5 + 4.5 X TKN	

Table 2



O'BRIEN & GERE
ENGINEERS, INC.

**Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table**

WELL #	Ground Elevation (ft)	Well Casing Elevation (ft)	Screened Interval Elevation (ft)	Ground Water Elevation (ft) 04/06/00	Ground Water Elevation (ft) 11/07/00	Ground Water Elevation (ft) 07/03/01	Ground Water Elevation (ft) 11/08/01	Ground Water Elevation (ft) 04/03/02	Ground Water Elevation (ft) 10/09/02
MW-01	99.36	101.11	75.4 - 85.4	80.92	DRY	77.46	76.87	77.42	101.11
MW-02	91.80	94.68	76.6 - 86.6	86.58	83.06	84.33	83.67	84.28	83.60
MW-03	97.65	99.63	73.7 - 83.7	AB	AB	AB	AB	AB	AB
MW-04	65.62	68.52	46.6 - 56.6	AB	AB	AB	AB	AB	AB
MW-05	88.21	90.42	49.2 - 59.2	60.52	59.83	60.92	60.10	60.80	58.42
MW-06	77.46	79.38	46.4 - 56.4	60.36	59.40	55.87	59.67	60.42	59.84
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.87	DRY	53.34	51.92	53.59	52.34
MW-08	88.21	91.78	53.9 - 63.9	66.41	61.45	65.63	60.92	64.16	60.73
MW-09	102.44	104.03	49.7 - 59.7	60.62	59.42	60.51	59.68	60.47	59.85
MW-10 (B)	97.51	97.27	43.0 - 53.0	57.60	52.73	57.22	52.60	56.07	54.57
MW-11 (B)	91.48	93.80	43.1 - 53.1	59.39	54.66	59.15	54.73	57.19	54.77
MW-12	93.62	94.14	51.9 - 61.9	60.71	59.62	60.63	59.87	60.64	60.06
MW-13	98.80	98.70	77.7 - 87.7	80.89	80.53	79.95	80.10	78.65	79.62
MW-14	98.76	100.62	74.6 - 84.6	80.60	80.75	79.74	80.77	80.48	82.87
MW-15 (B)	96.10	98.90	32.7 - 42.7	58.81	54.32	58.98	53.52	59.03	54.40
MW-16 (B)	98.50	100.85	50.8 - 60.8	66.92	63.57	66.14	63.58	66.25	63.50
MW-17	66.90	69.24	53.7 - 63.7	60.28	58.33	58.55	58.02	59.24	57.58
MW-18	76.50	78.29	61.5 - 71.5	75.08	71.61	72.09	71.36	73.75	69.84
MW-19	69.50	71.27	46.5 - 56.5	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	70.98	73.34	51.9 - 61.9	AB	AB	AB	AB	AB	AB
MW-21	69.90	71.87	59.5 - 64.5	64.42	62.59	62.53	62.58	63.39	61.82
MW-22	71.50	73.34	60.9 - 65.9	68.52	66.42	68.13	68.15	68.71	67.24
MW-23 (B)	89.80	91.72	17.3 - 22.3	36.69	33.97	36.21	33.25	35.68	33.63
MW-24				-9.96*	-10.43*	-10.41*	-10.39*	-10.35*	-10.30*
PZ-01	81.80	83.95	49.8 - 59.8	60.51	59.44	---	59.70	60.45	59.87
PZ-02	80.60	83.06	42.8 - 52.8	60.17	59.16	---	59.48	60.18	59.65
RW-01	78.40	80.28	29.4-39.4 - 45.4-50.4	50.73	40.88	---	36.48	36.53	34.88
RW-02 (B)	91.58	95.18	NA - NA	54.52	42.86	---	42.97	49.85	44.13
SUMP	NA	97.93	NA - NA	78.49	74.91	75.33	75.05	75.13	74.94

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2



O'BRIEN & GERE
ENGINEERS, INC.

**Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table**

WELL #	Ground Water Elevation (ft) 05/28/92	Ground Water Elevation (ft) 06/26/92	Ground Water Elevation (ft) 08/07/92	Ground Water Elevation (ft) 09/26/94	Ground Water Elevation (ft) 09/27/94	Ground Water Elevation (ft) 10/18/94	Ground Water Elevation (ft) 11/02/94	Ground Water Elevation (ft) 11/17/94	Ground Water Elevation (ft) 11/30/94
MW-01	DRY	DRY	79.69	—	—	DRY	—	—	—
MW-02	83.21	82.81	84.32	83.10	83.28	80.12	—	—	—
MW-03	80.44	80.09	81.63	AB	AB	AB	AB	AB	AB
MW-04	51.08	49.95	50.81	47.22	52.21	46.79	—	—	—
MW-05	60.71	63.76	61.22	59.87	59.91	59.45	—	—	—
MW-06	60.50	60.49	60.46	59.51	59.52	59.05	—	—	—
MW-07 (B)	54.59	54.55	54.47	53.90	53.97	53.55	—	—	—
MW-08	66.38	66.38	66.83	61.59	61.65	60.99	—	—	—
MW-09	60.46	60.51	61.83	59.57	59.59	59.08	—	—	—
MW-10 (B)	61.15	61.99	61.69	—	—	56.02	55.07	55.19	54.94
MW-11 (B)	62.34	63.70	63.66	58.41	58.39	57.47	50.01	56.68	55.59
MW-12	62.24	60.74	62.77	59.77	59.79	59.31	—	—	—
MW-13	DRY	80.62	80.92	—	—	78.70	82.92	78.21	78.21
MW-14	75.11	79.07	81.54	—	—	86.18	80.12	80.54	80.54
MW-15 (B)	NI	NI	NI	—	—	53.47	—	—	—
MW-16 (B)	NI	NI	NI	—	—	61.67	—	—	—
MW-17	NI	NI	NI	54.61	54.61	54.08	—	—	—
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	NI	NI	NI	59.56	59.57	59.10	—	—	—
PZ-02	NI	NI	NI	59.35	59.36	58.89	—	—	—
RW-01	NI	NI	NI	56.88	56.89	58.22	—	—	—
RW-02 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
SUMP	NI	NI	NI	NI	NI	NI	76.04	74.83	75.00

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, — Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2



O'BRIEN & GERE
ENGINEERS, INC.

**Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table**

WELL #	Ground Water Elevation (ft) 12/15/94	Ground Water Elevation (ft) 12/27/94	Ground Water Elevation (ft) 01/13/95	Ground Water Elevation (ft) 01/25/95	Ground Water Elevation (ft) 02/09/95	Ground Water Elevation (ft) 02/23/95	Ground Water Elevation (ft) 03/09/95	Ground Water Elevation (ft) 04/26/95	Ground Water Elevation (ft) 07/25/95
MW-01	—	—	—	—	—	—	—	DRY	DRY
MW-02	—	—	—	—	—	—	—	83.28	82.42
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	—	—	—	—	—	—	—	51.44	45.94
MW-05	—	—	—	—	—	—	—	60.34	58.78
MW-06	—	—	—	—	—	—	—	60.02	58.52
MW-07 (B)	—	—	—	—	—	—	—	54.51	53.27
MW-08	—	—	—	—	—	—	—	63.41	59.82
MW-09	—	—	—	—	—	—	—	60.10	58.56
MW-10 (B)	55.19	55.02	54.94	54.95	54.52	54.36	55.02	57.49	54.60
MW-11 (B)	56.63	56.55	55.63	55.63	56.13	55.63	56.55	58.86	55.72
MW-12	—	—	—	—	—	—	—	60.30	58.76
MW-13	80.92	78.34	78.25	77.83	77.84	77.75	77.67	DRY	DRY
MW-14	80.20	80.54	80.62	80.45	78.95	79.54	80.12	80.61	80.61
MW-15 (B)	—	—	—	—	—	—	—	54.71	51.60
MW-16 (B)	—	—	—	—	—	—	—	63.86	59.41
MW-17	—	—	—	—	—	—	—	59.02	57.71
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	—	—	—	—	—	—	—	60.08	58.58
PZ-02	—	—	—	—	—	—	—	59.88	58.37
RW-01	—	—	—	—	—	—	—	59.14	57.60
RW-02 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
SUMP	75.17	74.83	75.00	75.00	74.88	75.00	78.00	75.09	75.25

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, — Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2



O'BRIEN & GERE
ENGINEERS, INC.

**Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table**

WELL #	Ground Water Elevation (ft) 10/17/95	Ground Water Elevation (ft) 02/05/96	Ground Water Elevation (ft) 02/07/96	Ground Water Elevation (ft) 02/15/96	Ground Water Elevation (ft) 02/16/96	Ground Water Elevation (ft) 02/20/96	Ground Water Elevation (ft) 02/22/96	Ground Water Elevation (ft) 02/29/96	Ground Water Elevation (ft) 03/07/96
MW-01	DRY	77.06	76.64	75.30	DRY	DRY	DRY	75.36	75.17
MW-02	84.22	84.04	83.87	83.41	83.34	83.15	83.32	83.67	83.50
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	50.05	53.60	52.06	55.39	54.43	52.46	60.37	58.14	55.10
MW-05	—	61.26	61.01	60.80	60.73	60.50	60.40	60.14	59.73
MW-06	58.10	60.86	60.44	60.41	60.11	59.80	59.75	59.45	58.96
MW-07 (B)	52.71	55.16	54.67	55.03	54.52	54.45	54.58	54.46	54.32
MW-08	60.76	66.61	66.40	65.93	65.84	65.47	65.42	65.12	64.68
MW-09	58.16	60.95	60.70	60.48	60.35	60.07	60.02	59.71	59.22
MW-10 (B)	54.61	62.00	59.88	62.11	60.42	59.96	59.91	59.64	59.43
MW-11 (B)	55.31	62.63	60.37	62.67	60.88	60.35	60.29	59.99	59.78
MW-12	58.35	61.11	60.83	60.65	60.50	60.21	60.16	59.86	59.37
MW-13	DRY	80.00	79.98	79.91	79.90	79.88	79.87	79.86	79.77
MW-14	80.72	79.91	80.02	80.28	80.29	80.35	80.38	80.44	80.45
MW-15 (B)	50.47	59.24	59.37	59.79	59.63	59.56	59.56	59.46	59.40
MW-16 (B)	58.06	67.14	67.17	66.90	66.79	66.57	66.52	66.39	66.17
MW-17	DRY	60.29	60.17	59.75	59.70	59.52	59.64	59.42	59.28
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-19	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	58.16	60.92	60.61	60.46	60.28	59.99	59.93	59.63	59.14
PZ-02	57.97	60.70	60.30	60.26	59.97	59.66	59.61	59.33	58.83
RW-01	57.11	59.64	55.04	59.22	54.71	54.40	54.35	54.05	53.58
RW-02 (B)	56.05	63.80	59.98	63.83	60.67	60.09	59.97	59.63	59.41
SUMP	76.94	74.67	74.68	74.64	74.63	74.63	75.30	74.90	74.65

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, — Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

**Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table**

WELL #	Ground Water Elevation (ft) 03/21/96	Ground Water Elevation (ft) 04/04/96	Ground Water Elevation (ft) 04/10/96	Ground Water Elevation (ft) 04/18/96	Ground Water Elevation (ft) 05/02/96	Ground Water Elevation (ft) 06/06/96	Ground Water Elevation (ft) 07/16/96	Ground Water Elevation (ft) 09/05/96	Ground Water Elevation (ft) 10/21/96
MW-01	77.34	DRY	DRY	DRY	77.73	DRY	DRY	DRY	DRY
MW-02	84.24	83.68	83.68	84.86	85.35	83.17	83.32	82.57	83.18
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	59.26	52.66	54.43	60.28	59.70	51.63	52.45	DRY	55.91
MW-05	58.85	58.32	58.14	58.20	58.71	60.54	58.98	56.33	55.40
MW-06	58.02	57.48	57.28	57.41	58.17	59.91	58.13	54.95	53.71
MW-07 (B)	54.29	54.17	54.15	54.32	54.75	55.02	53.95	52.44	51.22
MW-08	64.76	64.10	63.83	64.08	65.43	67.07	64.50	59.05	59.56
MW-09	58.30	57.78	57.59	57.73	58.46	60.18	58.38	55.38	54.24
MW-10 (B)	59.07	58.81	58.72	58.61	59.72	62.25	59.11	53.88	51.06
MW-11 (B)	59.38	59.10	59.01	58.94	60.35	62.68	59.53	54.72	52.88
MW-12	58.44	57.93	57.74	57.86	58.59	60.33	58.54	55.48	54.30
MW-13	79.68	79.60	79.57	79.52	79.44	79.28	79.35	79.15	79.07
MW-14	80.49	80.52	80.55	78.14	79.29	80.56	80.66	80.59	80.61
MW-15 (B)	59.14	59.07	59.04	58.84	59.87	62.62	59.24	54.83	51.58
MW-16 (B)	65.99	65.99	65.90	65.84	67.02	68.40	65.57	63.31	60.09
MW-17	59.30	59.27	59.14	59.30	59.95	59.22	58.46	57.89	55.96
MW-18	NI	NI	NI	NI	NI	72.95	72.32	70.81	70.77
MW-19	NI	NI	NI	NI	NI	DRY	DRY	DRY	DRY
MW-20	NI	NI	NI	NI	NI	DRY	50.26	DRY	DRY
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23 (B)	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	58.21	57.67	57.47	57.60	58.34	60.09	58.31	55.13	53.90
PZ-02	57.90	57.39	57.19	57.30	58.04	59.77	57.97	54.90	53.53
RW-01	52.76	52.24	52.03	52.11	52.69	53.82	51.94	48.05	41.80
RW-02 (B)	58.95	58.63	58.52	58.41	59.63	62.56	59.14	51.01	42.02
SUMP	74.87	74.69	74.99	75.89	75.76	74.73	74.78	74.56	74.85

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, — Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2



O'BRIEN & GERE
ENGINEERS, INC.

Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 11/19/96	Ground Water Elevation (ft) 01/16/97	Ground Water Elevation (ft) 02/04/97	Ground Water Elevation (ft) 04/15/97	Ground Water Elevation (ft) 07/08/97	Ground Water Elevation (ft) 10/22/97	Ground Water Elevation (ft) 01/29/98	Ground Water Elevation (ft) 04/15/98	Ground Water Elevation (ft) 10/20/98
MW-01	76.60	75.15	—	75.64	DRY	DRY	DRY	DRY	DRY
MW-02	84.22	83.56	—	83.81	83.09	82.84	83.47	83.52	83.54
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	55.91	53.12	—	AB	AB	AB	AB	AB	AB
MW-05	56.49	59.15	—	59.83	59.16	58.34	60.86	61.05	60.04
MW-06	55.61	58.39	—	59.34	58.58	57.97	60.46	60.57	59.69
MW-07 (B)	52.68	54.28	—	54.70	52.93	50.63	52.90	53.82	51.76
MW-08	63.61	64.67	—	65.15	61.65	58.90	64.98	67.17	59.86
MW-09	56.64	58.65	—	59.60	58.76	58.00	60.51	60.56	59.71
MW-10 (B)	54.95	59.61	—	58.11	53.44	50.75	55.78	61.08	51.88
MW-11 (B)	55.85	60.15	—	58.59	55.20	52.50	56.75	61.73	53.98
MW-12	56.18	58.81	—	59.72	58.92	58.21	60.67	60.80	59.89
MW-13	80.68	80.49	—	80.33	79.84	79.53	78.87	78.67	78.31
MW-14	80.08	80.59	—	80.53	80.55	80.58	80.78	80.78	80.64
MW-15 (B)	51.99	58.83	—	59.83	56.63	50.48	56.34	62.10	52.58
MW-16 (B)	61.06	66.13	—	66.89	64.43	58.45	65.71	68.03	61.84
MW-17	58.02	59.33	—	59.64	58.33	DRY	59.70	59.51	57.93
MW-18	73.04	73.31	72.78	73.60	71.34	69.71	73.50	73.29	70.74
MW-19	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	DRY	DRY	—	AB	AB	AB	AB	AB	AB
MW-21	NI	NI	63.69	63.74	63.06	62.93	63.82	63.54	63.23
MW-22	NI	NI	63.69	67.92	67.35	65.96	68.51	68.39	67.83
MW-23 (B)	NI	NI	NI	37.71	35.61	32.29	34.95	37.95	33.57
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	55.83	58.57	—	59.51	58.70	58.01	60.50	60.61	59.70
PZ-02	55.25	58.23	—	59.13	58.34	57.65	60.22	60.34	59.46
RW-01	47.33	50.74	—	50.30	43.34	42.03	43.13	32.60	32.36
RW-02 (B)	55.39	60.03	—	55.69	44.07	42.89	52.74	59.94	44.33
SUMP	74.77	74.71	—	74.94	75.01	74.75	74.89	74.96	75.20

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, — Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Elevation Summary Table

WELL #	Ground Water Elevation (ft) 04/28/99	Ground Water Elevation (ft) 10/19/99
MW-01	DRY	DRY
MW-02	83.38	84.44
MW-03	AB	AB
MW-04	AB	AB
MW-05	59.91	55.35
MW-06	59.11	53.34
MW-07 (B)	54.57	51.73
MW-08	64.21	62.37
MW-09	59.68	54.25
MW-10 (B)	57.97	51.32
MW-11 (B)	58.36	53.31
MW-12	59.53	54.09
MW-13	78.08	80.75
MW-14	80.54	80.67
MW-15 (B)	58.94	50.95
MW-16 (B)	65.99	59.81
MW-17	58.76	57.47
MW-18	72.46	70.78
MW-19	DRY	DRY
MW-20	AB	AB
MW-21	63.31	62.69
MW-22	68.05	67.69
MW-23 (B)	36.76	32.48
MW-24	-7.38*	-10.22*
PZ-01	59.30	53.65
PZ-02	59.03	52.71
RW-01	54.69	---
RW-02 (B)	56.74	---
SUMP	75.26	---

NOTES: NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock ground water monitoring well, * - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler). MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System start-up 02/06/96; System shutdown 02/15/96; System restored 02/20/96. MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Trichloroethylene Concentrations

Date Sampled:	08/1989	12/1989	05/1990	05/1992	07/1994	10/1994	02/1995	04/1995	07/1995
	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WELL #									
MW-01	112	ND	2	ND	—	DRY	—	DRY	DRY
MW-02	ND	ND	1	ND	—	ND	ND	ND	ND
MW-03	Product	>55000	440000	340000	AB	AB	AB	AB	AB
MW-04	—	7	43	6	270	23	13	16	—
MW-05	—	340	344	110	330	410	290	280	—
MW-06	—	700	454	510	390	360	330	280	270
MW-07 (B)	—	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	—	ND	ND	ND	—	ND	ND	ND	ND
MW-09	—	109	106	60	72	74	74	84	75
MW-10 (B)	—	—	—	4500	1600	1300	1400	1200	900
MW-11 (B)	—	—	—	5200	5500	5300	4300	3900	4000
MW-12	—	—	—	36	44	35	33	30	25
MW-13	—	—	—	110	740	510	—	DRY	DRY
MW-14	—	—	—	67	150	120	79	95	140
MW-15 (B)	—	—	—	NI	—	14	11	10	17
MW-16 (B)	—	—	—	NI	—	6	17	7	18
MW-17	—	—	—	NI	260	140	200	130	160
MW-18	—	—	—	NI	NI	NI	NI	NI	NI
MW-19	—	—	—	NI	NI	NI	NI	NI	NI
MW-20	—	—	—	NI	NI	NI	NI	NI	NI
MW-21	—	—	—	NI	NI	NI	NI	NI	NI
MW-22	—	—	—	NI	NI	NI	NI	NI	NI
MW-23 (B)	—	—	—	—	—	—	—	—	—
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	—	—	—	—	—	—	—	—	120
PZ-02	—	—	—	—	—	—	—	490	400
RW-01	—	—	—	NI	—	—	—	—	—
RW-02 (B)	—	—	—	NI	NI	NI	NI	NI	NI
SUMP	—	—	—	NI	NI	NI	—	—	—

NOTES: ND - Not detected above method detection limit, — - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.

MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler).

MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheeler prior to 07/22/94.

MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Trichloroethylene Concentrations

Date Sampled:	10/1995	01/1996	04/1996	05/1996	07/1996	10/1996	01/1997	04/1997	07/1997
	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WELL #									
MW-01	DRY	---	DRY	---	DRY	---	---	---	DRY
MW-02	ND	---	---	---	---	ND	---	---	---
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	15	---	---	---	---	62	---	AB	AB
MW-05	---	---	---	---	---	180	---	---	---
MW-06	180	170	110	---	98	71	75	52	---
MW-07 (B)	ND	---	---	---	---	ND	---	---	---
MW-08	ND	---	---	---	---	ND	---	---	---
MW-09	68	100	64	---	65	50	95	83	66
MW-10 (B)	890	900	820	---	960	1700	1900	1200	---
MW-11 (B)	2600	2500	1500	---	1400	1600	1500	800	---
MW-12	29	---	---	---	---	17	---	---	---
MW-13	DRY	---	---	---	---	370	---	---	---
MW-14	78	84	250	---	230	170	390	400	260
MW-15 (B)	7	---	---	---	---	20	---	---	---
MW-16 (B)	20	---	---	---	---	11	---	---	---
MW-17	---	180	350	---	460	300	450	220	150
MW-18	NI	NI	NI	1200	---	2900	850	410	1800
MW-19	NI	NI	NI	---	DRY	DRY	DRY	DRY	DRY
MW-20	NI	NI	NI	70	---	DRY	DRY	AB	AB
MW-21	NI	NI	NI	NI	NI	NI	NI	520	310
MW-22	NI	NI	NI	NI	NI	NI	NI	1	3
MW-23 (B)	---	---	---	---	---	---	---	ND	ND
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	---	---	---	---	---	32	---	---	---
PZ-02	---	---	---	---	---	540	---	---	---
RW-01	---	---	---	---	---	---	---	---	---
RW-02 (B)	---	---	---	---	---	---	---	---	---
SUMP	---	170	180	---	1000	---	320	180	---

NOTES: ND - Not detected above method detection limit, --- - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.

MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler).

MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheeler prior to 07/22/94.

MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Trichloroethylene Concentrations

Date Sampled:	10/1997	01/1998	04/1998	10/1998	11/1998	04/1999	10/1999	04/2000	11/2000
	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE	TCE
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WELL #									
MW-01	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-02	ND	---	---	ND	---	---	ND	---	ND
MW-03	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-04	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-05	220	---	---	200	---	---	78	---	110
MW-06	ND	---	140	92	---	63	72	30	48
MW-07 (B)	ND	---	---	ND	---	---	ND	---	---
MW-08	---	---	---	ND	---	---	ND	---	ND
MW-09	61	140	120	80	---	120	46	69	60
MW-10 (B)	1300	---	930	880	---	720	700	530	690
MW-11 (B)	1600	---	920	1100	---	740	900	670	840
MW-12	19	---	---	22	---	---	15	---	17
MW-13	760	---	---	480	---	---	430	---	790
MW-14	560	560	460	400	---	460	260	250	280
MW-15 (B)	18	---	---	21	---	---	13	---	7
MW-16 (B)	14	---	---	4	---	---	15	---	3
MW-17	---	270	800	250	---	280	180	160	220
MW-18	3100	1000	1100	3600	---	620	1800	360	1900
MW-19	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-21	450	120	1300	180	---	510	90	42	73
MW-22	8	5	10	14	---	10	9	13	12
MW-23 (B)	ND	ND	---	ND	---	---	ND	---	ND
MW-24	NI	NI	NI	NI	6000	4300	4300	690	2400
PZ-01	48	---	---	85	---	---	410	---	29
PZ-02	420	---	---	250	---	---	18	---	160
RW-01	---	---	---	---	---	---	---	---	---
RW-02 (B)	---	---	---	---	---	---	---	---	---
SUMP	2600	---	560	850	---	400	---	490	1100

NOTES: ND - Not detected above method detection limit, --- - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.

MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).

MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.

MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Ground Water Trichloroethylene Concentrations

Date Sampled:	07/2001	11/2001	01/2002	04/2002	06/2002	10/2002
	TCE	TCE	TCE	TCE	TCE	TCE
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WELL #						
MW-01	DRY	ND	DRY	DRY	DRY	DRY
MW-02	—	ND	—	—	—	—
MW-03	AB	AB	AB	AB	AB	AB
MW-04	AB	AB	AB	AB	AB	AB
MW-05	—	120	—	—	—	—
MW-06	89	92	—	—	—	92
MW-07 (B)	—	ND	—	—	—	—
MW-08	—	ND	—	—	—	—
MW-09	70	77	—	—	—	67
MW-10 (B)	600	900	—	740	—	700
MW-11 (B)	680	1000	—	870	—	760
MW-12	—	19	—	—	—	18
MW-13	—	520	—	—	360	370
MW-14	270	240	—	—	—	200
MW-15 (B)	—	27	—	—	—	21
MW-16 (B)	—	3	—	—	—	1
MW-17	240	230	—	—	—	290
MW-18	970	2000	—	350	—	2500
MW-19	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	AB	AB	AB	AB	AB	AB
MW-21	35	38	—	—	—	—
MW-22	13	13	—	—	—	4
MW-23 (B)	—	ND	—	—	—	—
MW-24	600	1500	—	—	470	—
PZ-01	—	—	—	—	—	—
PZ-02	—	—	—	—	—	—
RW-01	—	—	—	—	—	—
RW-02 (B)	—	—	—	—	—	—
SUMP	1000	1500	—	210	—	1100

NOTES: ND - Not detected above method detection limit, — - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.
 MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheeler).
 MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheeler prior to 07/22/94.
 MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



Table 4

[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

**Table 4**[illegible]

NOTES: — Not detected.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.



ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3417
Sample Description: WTP Effluent (Grab)
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 QC Batch: 100202W1
Prepared: 10/02/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.	U	10.	10/02/02
Methylene chloride	<2.0	U	2.0	10/02/02
trans-1,2-Dichloroethene	<.50	U	.50	10/02/02
cis-1,2-Dichloroethene	<.50	U	.50	10/02/02
Trichloroethene	<.50	U	.50	10/02/02
4-Methyl-2-pentanone	<5.0	U	5.0	10/02/02
Toluene	<.50	U	.50	10/02/02
2-Hexanone	<5.0	U	5.0	10/02/02
Tetrachloroethene	<.50	U	.50	10/02/02
1,1,2,2-Tetrachloroethane	<.50	U	.50	10/02/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	93		71-130
1,2-Dichloroethane-d4 (surrogate)	104		76-126
Toluene-d8 (surrogate)	100		82-119
Bromofluorobenzene (surrogate)	88		75-119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 3, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3415
Sample Description: WTP Influent
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 QC Batch: 100802W1
Prepared: 10/08/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<50.	U	50.	50	10/08/02	
Bromodichloromethane	<50.	U	50.	50	10/08/02	
Bromoform	<500.	U	500.	50	10/08/02	
Bromomethane	<500.	U	500.	50	10/08/02	
Carbon tetrachloride	<50.	U	50.	50	10/08/02	
Chlorobenzene	<50.	U	50.	50	10/08/02	
Chloroethane	<50.	U	50.	50	10/08/02	
2-Chloroethylvinyl ether	<500.	U	500.	50	10/08/02	
Chloroform	<50.	U	50.	50	10/08/02	
Chloromethane	<500.	U	500.	50	10/08/02	
Dibromochloromethane	<50.	U	50.	50	10/08/02	
1,2-Dichlorobenzene	<250.	U	250.	50	10/08/02	
1,3-Dichlorobenzene	<250.	U	250.	50	10/08/02	
1,4-Dichlorobenzene	<250.	U	250.	50	10/08/02	
Dichlorodifluoromethane	<500.	U	500.	50	10/08/02	
1,1-Dichloroethane	<50.	U	50.	50	10/08/02	
1,2-Dichloroethane	<50.	U	50.	50	10/08/02	
1,1-Dichloroethylene	<50.	U	50.	50	10/08/02	
cis-1,2-Dichloroethylene	<50.	U	50.	50	10/08/02	
trans-1,2-Dichloroethylene	<50.	U	50.	50	10/08/02	
Dichloromethane	<50.	U	50.	50	10/08/02	
1,2-Dichloropropane	<50.	U	50.	50	10/08/02	
cis-1,3-Dichloropropylene	<50.	U	50.	50	10/08/02	
trans-1,3-Dichloropropylene	<50.	U	50.	50	10/08/02	
Ethylbenzene	<50.	U	50.	50	10/08/02	
1,1,2,2-Tetrachloroethane	<50.	U	50.	50	10/08/02	
Tetrachloroethylene	<50.	U	50.	50	10/08/02	
Toluene	<50.	U	50.	50	10/08/02	
1,1,1-Trichloroethane	<50.	U	50.	50	10/08/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*

Date: October 9, 2002

Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3415
Sample Description: WTP Influent
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 QC Batch: 100802W1
Prepared: 10/08/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
1,1,2-Trichloroethane	<50.	U	50.	50	10/08/02	
Trichloroethylene	700.		50	50	10/08/02	
Trichlorofluoromethane	<50.	U	50.	50	10/08/02	
Vinyl Chloride	<50.	U	50.	50	10/08/02	
Xylenes (total)	<150.	U	150.	50	10/08/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	100.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*

Date: October 9, 2002

Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3416
Sample Description: WTP Between Carbon
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 QC Batch: 100802W1
Prepared: 10/09/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<5.	U	5.	5	10/09/02	
Bromodichloromethane	<5.	U	5.	5	10/09/02	
Bromoform	<50.	U	50.	5	10/09/02	
Bromomethane	<50.	U	50.	5	10/09/02	
Carbon tetrachloride	<5.	U	5.	5	10/09/02	
Chlorobenzene	<5.	U	5.	5	10/09/02	
Chloroethane	<5.	U	5.	5	10/09/02	
2-Chloroethylvinyl ether	<50.	U	50.	5	10/09/02	
Chloroform	<5.	U	5.	5	10/09/02	
Chloromethane	<50.	U	50.	5	10/09/02	
Dibromochloromethane	<5.	U	5.	5	10/09/02	
1,2-Dichlorobenzene	<25.	U	25.	5	10/09/02	
1,3-Dichlorobenzene	<25.	U	25.	5	10/09/02	
1,4-Dichlorobenzene	<25.	U	25.	5	10/09/02	
Dichlorodifluoromethane	<50.	U	50.	5	10/09/02	
1,1-Dichloroethane	<5.	U	5.	5	10/09/02	
1,2-Dichloroethane	<5.	U	5.	5	10/09/02	
1,1-Dichloroethylene	<5.	U	5.	5	10/09/02	
cis-1,2-Dichloroethylene	<5.	U	5.	5	10/09/02	
trans-1,2-Dichloroethylene	<5.	U	5.	5	10/09/02	
Dichloromethane	<5.	U	5.	5	10/09/02	
1,2-Dichloropropane	<5.	U	5.	5	10/09/02	
cis-1,3-Dichloropropylene	<5.	U	5.	5	10/09/02	
trans-1,3-Dichloropropylene	<5.	U	5.	5	10/09/02	
Ethylbenzene	<5.	U	5.	5	10/09/02	
1,1,2,2-Tetrachloroethane	<5.	U	5.	5	10/09/02	
Tetrachloroethylene	<5.	U	5.	5	10/09/02	
Toluene	<5.	U	5.	5	10/09/02	
1,1,1-Trichloroethane	<5.	U	5.	5	10/09/02	
1,1,2-Trichloroethane	<5.	U	5.	5	10/09/02	
Trichloroethylene	180.		5	5	10/09/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*

Date: October 9, 2002

Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3416
Sample Description: WTP Between Carbon
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 QC Batch: 100802W1
Prepared: 10/09/02 %Solids:
Sample Size: 5 ml

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>PQL</u>	<u>Dil</u>	<u>Analyzed</u>	<u>Notes</u>
Trichlorofluoromethane	<5.	U	5.	5	10/09/02	
Vinyl Chloride	<5.	U	5.	5	10/09/02	
Xylenes (total)	<15.	U	15.	5	10/09/02	

<u>Surrogate</u>	<u>%R</u>	<u>Qual</u>	<u>%R Limits</u>
2-Chloropropane (surrogate)	94.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 9, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3437
Sample: X3418
Samp. Description: WTP Effluent (Composite)
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 %Solids:
Number of analytes: 11

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Antimony	<.060	200.7	10/07/02	10/14/02	100702W2	1	
Chromium	<.010	200.7	10/07/02	10/14/02	100702W2	1	
Cobalt	<.050	200.7	10/07/02	10/14/02	100702W2	1	
Copper	<.010	200.7	10/07/02	10/14/02	100702W2	1	
Iron	<.050	200.7	10/07/02	10/14/02	100702W2	1	
Lead	<.0050	200.7	10/07/02	10/14/02	100702W2	1	
Mercury	<.0002	245.1	10/07/02	10/07/02	100702W1	1	
Nickel	<.050	200.7	10/07/02	10/14/02	100702W2	1	
Silver	<.010	200.7	10/07/02	10/14/02	100702W2	1	
Vanadium	<.050	200.7	10/07/02	10/14/02	100702W2	1	
Zinc	.014	200.7	10/07/02	10/14/02	100702W2	1	

Notes:

J-Estimated value

Authorized: *Monika Santucci*
Date: October 15, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3438
Sample: X3419
Samp. Description: WTP Effluent (Lab Filter)
Units: mg/L

Job No.: 3027 . 001.11102
Certification NY No.: 10155

Collected: 10/02/02 Matrix: Water
Received: 10/02/02 %Solids:
Number of analytes: 1

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Aluminum	< .10	200.7	10/07/02	10/14/02	100702W2	1	

Notes:

U-Undetected at the reported level. J-reported value is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3437
Sample: X3418
Samp. Description: WTP Effluent (Composite)

Collected: 10/02/02 09:35 Matrix: Water
Received: 10/02/02 10:22

Parameter	Result	Units	Method	Prepared	Analyzed	QC Batch	Note
CBOD5	<5.	mg/L	SM5210B		10/02/02	100202W12	
Total Kjeldahl nitrogen	<.40	mg/L	EPA 351.2	10/11/02	10/21/02	101102W1	
Total dissolved solids	880.	mg/L	EPA 160.1		10/07/02	100702W22	
Total suspended solids	<5.	mg/L	EPA 160.2		10/03/02	100302W21	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

3437

[illegible]

Turnaround Time Required:
 Routine _____ X _____
 Rush (Specify) _____

Comments:

Added TDS analysis and full metals test
as per previous request. (ns)

Cooler Temperature: 11°C on ice

Original Laboratory Copy Client

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Wet Chemistry**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3507
Sample: X5535
Samp. Description: WTP Effluent

Collected: 10/10/02
Received: 10/10/02 08:05
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	910.		mg/L	EPA 160.1	10.	10/15/02	101502W21	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	10/16/02	101602W21	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 21, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

3507

[illegible]**Turnaround Time Required:**

Comments:

Routine X
Rush (Specify) _____

Cooler Temperature:

40c

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3579
Sample: X6986
Sample Description: WTP Effluent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/16/02 Matrix: Water
Received: 10/16/02 QC Batch: 101602W1
Prepared: 10/16/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.		10	10/16/02
Methylene chloride	<2.0		2	10/16/02
trans-1,2-Dichloroethene	<.50		.5	10/16/02
cis-1,2-Dichloroethene	<.50		.5	10/16/02
Trichloroethene	<.50		.5	10/16/02
4-Methyl-2-pentanone	<5.0		5	10/16/02
Toluene	<.50		.5	10/16/02
2-Hexanone	<5.0		5	10/16/02
Tetrachloroethene	<.50		.5	10/16/02
1,1,2,2-Tetrachloroethane	<.50		.5	10/16/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	100		71-130
1,2-Dichloroethane-d4 (surrogate)	118		76-126
Toluene-d8 (surrogate)	104		82-119
Bromofluorobenzene (surrogate)	93		75-119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 17, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3579
Sample: X6987
Samp. Description: WTP Effluent
Units: mg/L

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/16/02 Matrix: Water
Received: 10/16/02 %Solids:
Number of analytes: 2

Parameter	Result	Method	Prepared	Analyzed	QC Batch	Dilut.	Note
Mercury	<.00020	245.1	10/25/02	10/25/02	102502W1	1	
Zinc	<.010	200.7	10/21/02	10/22/02	102102W3	1	

Notes:

J-Estimated value

Authorized: Monika Santucci
Date: November 1, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3579
Sample: X6987
Samp. Description: WTP Effluent

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/16/02
Received: 10/16/02 08:53
Matrix: Water
Number of Analytes: 1

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	10/17/02	101702W22	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 30, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

3579

[illegible]**Turnaround Time Required:****Comments:**

Routine

Rush (Specify).

Cooler Temperature:

Original Abstract:

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Wet Chemistry**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3651
Sample: X8536
Samp. Description: WTP Effluent

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/23/02
Received: 10/23/02 09:00
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	940.		mg/L	EPA 160.1	10.	10/29/02	102902W21	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	10/24/02	102402W15	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 4, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

3651

[illegible]

Original Laboratory Copy-Client

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Wet Chemistry**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3722
Sample: X9861
Samp. Description: WTP Effluent

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/31/02
Received: 10/31/02 08:10
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	960.		mg/L	EPA 160.1	10.	11/04/02	110402W23	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	11/04/02	110402W26	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 8, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc. 5000 Brittonfield Parkway **Chain of Custody**

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

3722

[illegible]

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:Cooler Temperature: 40°C

Original Laboratory Copy-Client

ATTACHMENT B

**ANNUAL GROUND WATER MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6532
Sample Description: MW-5
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<5.	U	5.	5	10/21/02	
Bromodichloromethane	<5.	U	5.	5	10/21/02	
Bromoform	<50.	U	50.	5	10/21/02	
Bromomethane	<50.	U	50.	5	10/21/02	
Carbon tetrachloride	<5.	U	5.	5	10/21/02	
Chlorobenzene	<5.	U	5.	5	10/21/02	
Chloroethane	<5.	U	5.	5	10/21/02	
2-Chloroethylvinyl ether	<50.	U	50.	5	10/21/02	
Chloroform	<5.	U	5.	5	10/21/02	
Chloromethane	<50.	U	50.	5	10/21/02	
Dibromochloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,3-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,4-Dichlorobenzene	<25.	U	25.	5	10/21/02	
Dichlorodifluoromethane	<50.	U	50.	5	10/21/02	
1,1-Dichloroethane	<5.	U	5.	5	10/21/02	
1,2-Dichloroethane	<5.	U	5.	5	10/21/02	
1,1-Dichloroethylene	<5.	U	5.	5	10/21/02	
cis-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02	
trans-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02	
Dichloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichloropropane	<5.	U	5.	5	10/21/02	
cis-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
trans-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
Ethylbenzene	<5.	U	5.	5	10/21/02	
1,1,2,2-Tetrachloroethane	<5.	U	5.	5	10/21/02	
Tetrachloroethylene	<5.	U	5.	5	10/21/02	
Toluene	<5.	U	5.	5	10/21/02	
1,1,1-Trichloroethane	<5.	U	5.	5	10/21/02	
1,1,2-Trichloroethane	<5.	U	5.	5	10/21/02	
Trichloroethylene	100.		5	5	10/21/02	
Trichlorofluoromethane	<5.	U	5.	5	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6532
Sample Description: MW-5
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Vinyl Chloride	<5.	U	5.	5	10/21/02	
Xylenes (total)	<15.	U	15.	5	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	98.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6534
Sample Description: MW-6
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<2.	U	2.	2	10/21/02	
Bromodichloromethane	<2.	U	2.	2	10/21/02	
Bromoform	<20.	U	20.	2	10/21/02	
Bromomethane	<20.	U	20.	2	10/21/02	
Carbon tetrachloride	<2.	U	2.	2	10/21/02	
Chlorobenzene	<2.	U	2.	2	10/21/02	
Chloroethane	<2.	U	2.	2	10/21/02	
2-Chloroethylvinyl ether	<20.	U	20.	2	10/21/02	
Chloroform	<2.	U	2.	2	10/21/02	
Chloromethane	<20.	U	20.	2	10/21/02	
Dibromochloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,3-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,4-Dichlorobenzene	<10.	U	10.	2	10/21/02	
Dichlorodifluoromethane	<20.	U	20.	2	10/21/02	
1,1-Dichloroethane	<2.	U	2.	2	10/21/02	
1,2-Dichloroethane	<2.	U	2.	2	10/21/02	
1,1-Dichloroethylene	<2.	U	2.	2	10/21/02	
cis-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
trans-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
Dichloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichloropropane	<2.	U	2.	2	10/21/02	
cis-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
trans-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
Ethylbenzene	<2.	U	2.	2	10/21/02	
1,1,2,2-Tetrachloroethane	<2.	U	2.	2	10/21/02	
Tetrachloroethylene	<2.	U	2.	2	10/21/02	
Toluene	<2.	U	2.	2	10/21/02	
1,1,1-Trichloroethane	<2.	U	2.	2	10/21/02	
1,1,2-Trichloroethane	<2.	U	2.	2	10/21/02	
Trichloroethylene	92.		2	2	10/21/02	
Trichlorofluoromethane	<2.	U	2.	2	10/21/02	
Vinyl Chloride	<2.	U	2.	2	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*

Date: October 22, 2002

Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6534
Sample Description: MW-6
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<6.	U	6.	2	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	100.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*

Date: October 22, 2002

Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6541
Sample Description: MW-9
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<2.	U	2.	2	10/21/02	
Bromodichloromethane	<2.	U	2.	2	10/21/02	
Bromoform	<20.	U	20.	2	10/21/02	
Bromomethane	<20.	U	20.	2	10/21/02	
Carbon tetrachloride	<2.	U	2.	2	10/21/02	
Chlorobenzene	<2.	U	2.	2	10/21/02	
Chloroethane	<2.	U	2.	2	10/21/02	
2-Chloroethylvinyl ether	<20.	U	20.	2	10/21/02	
Chloroform	<2.	U	2.	2	10/21/02	
Chloromethane	<20.	U	20.	2	10/21/02	
Dibromochloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,3-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,4-Dichlorobenzene	<10.	U	10.	2	10/21/02	
Dichlorodifluoromethane	<20.	U	20.	2	10/21/02	
1,1-Dichloroethane	<2.	U	2.	2	10/21/02	
1,2-Dichloroethane	<2.	U	2.	2	10/21/02	
1,1-Dichloroethylene	<2.	U	2.	2	10/21/02	
cis-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
trans-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
Dichloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichloropropane	<2.	U	2.	2	10/21/02	
cis-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
trans-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
Ethylbenzene	<2.	U	2.	2	10/21/02	
1,1,2,2-Tetrachloroethane	<2.	U	2.	2	10/21/02	
Tetrachloroethylene	<2.	U	2.	2	10/21/02	
Toluene	<2.	U	2.	2	10/21/02	
1,1,1-Trichloroethane	<2.	U	2.	2	10/21/02	
1,1,2-Trichloroethane	<2.	U	2.	2	10/21/02	
Trichloroethylene	67.		2	2	10/21/02	
Trichlorofluoromethane	<2.	U	2.	2	10/21/02	
Vinyl Chloride	<2.	U	2.	2	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6541
Sample Description: MW-9
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<6.	U	6.	2	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	102.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6537
Sample Description: MW-10
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<20.	U	20.	20	10/21/02	
Bromodichloromethane	<20.	U	20.	20	10/21/02	
Bromoform	<200.	U	200.	20	10/21/02	
Bromomethane	<200.	U	200.	20	10/21/02	
Carbon tetrachloride	<20.	U	20.	20	10/21/02	
Chlorobenzene	<20.	U	20.	20	10/21/02	
Chloroethane	<20.	U	20.	20	10/21/02	
2-Chloroethylvinyl ether	<200.	U	200.	20	10/21/02	
Chloroform	<20.	U	20.	20	10/21/02	
Chloromethane	<200.	U	200.	20	10/21/02	
Dibromochloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,3-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,4-Dichlorobenzene	<100.	U	100.	20	10/21/02	
Dichlorodifluoromethane	<200.	U	200.	20	10/21/02	
1,1-Dichloroethane	<20.	U	20.	20	10/21/02	
1,2-Dichloroethane	<20.	U	20.	20	10/21/02	
1,1-Dichloroethylene	<20.	U	20.	20	10/21/02	
cis-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
trans-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
Dichloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichloropropane	<20.	U	20.	20	10/21/02	
cis-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
trans-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
Ethylbenzene	<20.	U	20.	20	10/21/02	
1,1,2,2-Tetrachloroethane	<20.	U	20.	20	10/21/02	
Tetrachloroethylene	<20.	U	20.	20	10/21/02	
Toluene	<20.	U	20.	20	10/21/02	
1,1,1-Trichloroethane	<20.	U	20.	20	10/21/02	
1,1,2-Trichloroethane	<20.	U	20.	20	10/21/02	
Trichloroethylene	700.		20	20	10/21/02	
Trichlorofluoromethane	<20.	U	20.	20	10/21/02	
Vinyl Chloride	<20.	U	20.	20	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002

Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6537
Sample Description: MW-10
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<60.	U	60.	20	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	102.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6536
Sample Description: MW-11
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<20.	U	20.	20	10/21/02	
Bromodichloromethane	<20.	U	20.	20	10/21/02	
Bromoform	<200.	U	200.	20	10/21/02	
Bromomethane	<200.	U	200.	20	10/21/02	
Carbon tetrachloride	<20.	U	20.	20	10/21/02	
Chlorobenzene	<20.	U	20.	20	10/21/02	
Chloroethane	<20.	U	20.	20	10/21/02	
2-Chloroethylvinyl ether	<200.	U	200.	20	10/21/02	
Chloroform	<20.	U	20.	20	10/21/02	
Chloromethane	<200.	U	200.	20	10/21/02	
Dibromochloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,3-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,4-Dichlorobenzene	<100.	U	100.	20	10/21/02	
Dichlorodifluoromethane	<200.	U	200.	20	10/21/02	
1,1-Dichloroethane	<20.	U	20.	20	10/21/02	
1,2-Dichloroethane	<20.	U	20.	20	10/21/02	
1,1-Dichloroethylene	<20.	U	20.	20	10/21/02	
cis-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
trans-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
Dichloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichloropropane	<20.	U	20.	20	10/21/02	
cis-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
trans-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
Ethylbenzene	<20.	U	20.	20	10/21/02	
1,1,2,2-Tetrachloroethane	<20.	U	20.	20	10/21/02	
Tetrachloroethylene	<20.	U	20.	20	10/21/02	
Toluene	<20.	U	20.	20	10/21/02	
1,1,1-Trichloroethane	<20.	U	20.	20	10/21/02	
1,1,2-Trichloroethane	<20.	U	20.	20	10/21/02	
Trichloroethylene	760.		20	20	10/21/02	
Trichlorofluoromethane	<20.	U	20.	20	10/21/02	
Vinyl Chloride	<20.	U	20.	20	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6536
Sample Description: MW-11
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<60.	U	60.	20	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	102.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6533
Sample Description: MW-12
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<1.	U	1.	1	10/21/02	
Bromodichloromethane	<1.	U	1.	1	10/21/02	
Bromoform	<10.	U	10.	1	10/21/02	
Bromomethane	<10.	U	10.	1	10/21/02	
Carbon tetrachloride	<1.	U	1.	1	10/21/02	
Chlorobenzene	<1.	U	1.	1	10/21/02	
Chloroethane	<1.	U	1.	1	10/21/02	
2-Chloroethylvinyl ether	<10.	U	10.	1	10/21/02	
Chloroform	<1.	U	1.	1	10/21/02	
Chloromethane	<10.	U	10.	1	10/21/02	
Dibromochloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,3-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,4-Dichlorobenzene	<5.	U	5.	1	10/21/02	
Dichlorodifluoromethane	<10.	U	10.	1	10/21/02	
1,1-Dichloroethane	<1.	U	1.	1	10/21/02	
1,2-Dichloroethane	<1.	U	1.	1	10/21/02	
1,1-Dichloroethylene	<1.	U	1.	1	10/21/02	
cis-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
trans-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
Dichloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichloropropane	<1.	U	1.	1	10/21/02	
cis-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
trans-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
Ethylbenzene	<1.	U	1.	1	10/21/02	
1,1,2,2-Tetrachloroethane	<1.	U	1.	1	10/21/02	
Tetrachloroethylene	<1.	U	1.	1	10/21/02	
Toluene	2.		1	1	10/21/02	
1,1,1-Trichloroethane	<1.	U	1.	1	10/21/02	
1,1,2-Trichloroethane	<1.	U	1.	1	10/21/02	
Trichloroethylene	18.		1	1	10/21/02	
Trichlorofluoromethane	<1.	U	1.	1	10/21/02	
Vinyl Chloride	<1.	U	1.	1	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6533
Sample Description: MW-12
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<3.	U	3.	1	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	103.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6542
Sample Description: MW-13
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<20.	U	20.	20	10/21/02	
Bromodichloromethane	<20.	U	20.	20	10/21/02	
Bromoform	<200.	U	200.	20	10/21/02	
Bromomethane	<200.	U	200.	20	10/21/02	
Carbon tetrachloride	<20.	U	20.	20	10/21/02	
Chlorobenzene	<20.	U	20.	20	10/21/02	
Chloroethane	<20.	U	20.	20	10/21/02	
2-Chloroethylvinyl ether	<200.	U	200.	20	10/21/02	
Chloroform	<20.	U	20.	20	10/21/02	
Chloromethane	<200.	U	200.	20	10/21/02	
Dibromochloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,3-Dichlorobenzene	<100.	U	100.	20	10/21/02	
1,4-Dichlorobenzene	<100.	U	100.	20	10/21/02	
Dichlorodifluoromethane	<200.	U	200.	20	10/21/02	
1,1-Dichloroethane	<20.	U	20.	20	10/21/02	
1,2-Dichloroethane	<20.	U	20.	20	10/21/02	
1,1-Dichloroethylene	<20.	U	20.	20	10/21/02	
cis-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
trans-1,2-Dichloroethylene	<20.	U	20.	20	10/21/02	
Dichloromethane	<20.	U	20.	20	10/21/02	
1,2-Dichloropropane	<20.	U	20.	20	10/21/02	
cis-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
trans-1,3-Dichloropropylene	<20.	U	20.	20	10/21/02	
Ethylbenzene	<20.	U	20.	20	10/21/02	
1,1,2,2-Tetrachloroethane	<20.	U	20.	20	10/21/02	
Tetrachloroethylene	<20.	U	20.	20	10/21/02	
Toluene	<20.	U	20.	20	10/21/02	
1,1,1-Trichloroethane	<20.	U	20.	20	10/21/02	
1,1,2-Trichloroethane	<20.	U	20.	20	10/21/02	
Trichloroethylene	370.		20	20	10/21/02	
Trichlorofluoromethane	<20.	U	20.	20	10/21/02	
Vinyl Chloride	<20.	U	20.	20	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

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**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6542
Sample Description: MW-13
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<60.	U	60.	20	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	101.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6543
Sample Description: MW-14
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed Notes
Benzene	<5.	U	5.	5	10/21/02
Bromodichloromethane	<5.	U	5.	5	10/21/02
Bromoform	<50.	U	50.	5	10/21/02
Bromomethane	<50.	U	50.	5	10/21/02
Carbon tetrachloride	<5.	U	5.	5	10/21/02
Chlorobenzene	<5.	U	5.	5	10/21/02
Chloroethane	<5.	U	5.	5	10/21/02
2-Chloroethylvinyl ether	<50.	U	50.	5	10/21/02
Chloroform	<5.	U	5.	5	10/21/02
Chloromethane	<50.	U	50.	5	10/21/02
Dibromochloromethane	<5.	U	5.	5	10/21/02
1,2-Dichlorobenzene	<25.	U	25.	5	10/21/02
1,3-Dichlorobenzene	<25.	U	25.	5	10/21/02
1,4-Dichlorobenzene	<25.	U	25.	5	10/21/02
Dichlorodifluoromethane	<50.	U	50.	5	10/21/02
1,1-Dichloroethane	<5.	U	5.	5	10/21/02
1,2-Dichloroethane	<5.	U	5.	5	10/21/02
1,1-Dichloroethylene	<5.	U	5.	5	10/21/02
cis-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02
trans-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02
Dichloromethane	<5.	U	5.	5	10/21/02
1,2-Dichloropropane	<5.	U	5.	5	10/21/02
cis-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02
trans-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02
Ethylbenzene	<5.	U	5.	5	10/21/02
1,1,2,2-Tetrachloroethane	<5.	U	5.	5	10/21/02
Tetrachloroethylene	<5.	U	5.	5	10/21/02
Toluene	<5.	U	5.	5	10/21/02
1,1,1-Trichloroethane	<5.	U	5.	5	10/21/02
1,1,2-Trichloroethane	<5.	U	5.	5	10/21/02
Trichloroethylene	200.		5	5	10/21/02
Trichlorofluoromethane	<5.	U	5.	5	10/21/02
Vinyl Chloride	<5.	U	5.	5	10/21/02

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6543
Sample Description: MW-14
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<15.	U	15.	5	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	100.		76 - 115
Fluorobenzene (surrogate)	100.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6545
Sample Description: MW-15
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102

Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<1.	U	1.	1	10/21/02	
Bromodichloromethane	<1.	U	1.	1	10/21/02	
Bromoform	<10.	U	10.	1	10/21/02	
Bromomethane	<10.	U	10.	1	10/21/02	
Carbon tetrachloride	<1.	U	1.	1	10/21/02	
Chlorobenzene	<1.	U	1.	1	10/21/02	
Chloroethane	<1.	U	1.	1	10/21/02	
2-Chloroethylvinyl ether	<10.	U	10.	1	10/21/02	
Chloroform	<1.	U	1.	1	10/21/02	
Chloromethane	<10.	U	10.	1	10/21/02	
Dibromochloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,3-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,4-Dichlorobenzene	<5.	U	5.	1	10/21/02	
Dichlorodifluoromethane	<10.	U	10.	1	10/21/02	
1,1-Dichloroethane	<1.	U	1.	1	10/21/02	
1,2-Dichloroethane	<1.	U	1.	1	10/21/02	
1,1-Dichloroethylene	<1.	U	1.	1	10/21/02	
cis-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
trans-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
Dichloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichloropropane	<1.	U	1.	1	10/21/02	
cis-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
trans-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
Ethylbenzene	<1.	U	1.	1	10/21/02	
1,1,2,2-Tetrachloroethane	<1.	U	1.	1	10/21/02	
Tetrachloroethylene	<1.	U	1.	1	10/21/02	
Toluene	<1.	U	1.	1	10/21/02	
1,1,1-Trichloroethane	<1.	U	1.	1	10/21/02	
1,1,2-Trichloroethane	<1.	U	1.	1	10/21/02	
Trichloroethylene	21.		1	1	10/21/02	
Trichlorofluoromethane	<1.	U	1.	1	10/21/02	
Vinyl Chloride	<1.	U	1.	1	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
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E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6545
Sample Description: MW-15
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102

Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<3.	U	3.	1	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	103.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6546
Sample Description: MW-16
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102

Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<1.	U	1.	1	10/21/02	
Bromodichloromethane	<1.	U	1.	1	10/21/02	
Bromoform	<10.	U	10.	1	10/21/02	
Bromomethane	<10.	U	10.	1	10/21/02	
Carbon tetrachloride	<1.	U	1.	1	10/21/02	
Chlorobenzene	<1.	U	1.	1	10/21/02	
Chloroethane	<1.	U	1.	1	10/21/02	
2-Chloroethylvinyl ether	<10.	U	10.	1	10/21/02	
Chloroform	<1.	U	1.	1	10/21/02	
Chloromethane	<10.	U	10.	1	10/21/02	
Dibromochloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,3-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,4-Dichlorobenzene	<5.	U	5.	1	10/21/02	
Dichlorodifluoromethane	<10.	U	10.	1	10/21/02	
1,1-Dichloroethane	<1.	U	1.	1	10/21/02	
1,2-Dichloroethane	<1.	U	1.	1	10/21/02	
1,1-Dichloroethylene	<1.	U	1.	1	10/21/02	
cis-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
trans-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
Dichloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichloropropane	<1.	U	1.	1	10/21/02	
cis-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
trans-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
Ethylbenzene	<1.	U	1.	1	10/21/02	
1,1,2,2-Tetrachloroethane	<1.	U	1.	1	10/21/02	
Tetrachloroethylene	<1.	U	1.	1	10/21/02	
Toluene	<1.	U	1.	1	10/21/02	
1,1,1-Trichloroethane	<1.	U	1.	1	10/21/02	
1,1,2-Trichloroethane	<1.	U	1.	1	10/21/02	
Trichloroethylene	1.		1	1	10/21/02	
Trichlorofluoromethane	<1.	U	1.	1	10/21/02	
Vinyl Chloride	<1.	U	1.	1	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6546
Sample Description: MW-16
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>PQL</u>	<u>Dil</u>	<u>Analyzed</u>	<u>Notes</u>
Xylenes (total)	<3.	U	3.	1	10/21/02	

<u>Surrogate</u>	<u>%R</u>	<u>Qual</u>	<u>%R Limits</u>
2-Chloropropane (surrogate)	99.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

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O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6540
Sample Description: MW-17
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<5.	U	5.	5	10/21/02	
Bromodichloromethane	<5.	U	5.	5	10/21/02	
Bromoform	<50.	U	50.	5	10/21/02	
Bromomethane	<50.	U	50.	5	10/21/02	
Carbon tetrachloride	<5.	U	5.	5	10/21/02	
Chlorobenzene	<5.	U	5.	5	10/21/02	
Chloroethane	<5.	U	5.	5	10/21/02	
2-Chloroethylvinyl ether	<50.	U	50.	5	10/21/02	
Chloroform	<5.	U	5.	5	10/21/02	
Chloromethane	<50.	U	50.	5	10/21/02	
Dibromochloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,3-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,4-Dichlorobenzene	<25.	U	25.	5	10/21/02	
Dichlorodifluoromethane	<50.	U	50.	5	10/21/02	
1,1-Dichloroethane	<5.	U	5.	5	10/21/02	
1,2-Dichloroethane	<5.	U	5.	5	10/21/02	
1,1-Dichloroethylene	<5.	U	5.	5	10/21/02	
cis-1,2-Dichloroethylene	22.		5	5	10/21/02	
trans-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02	
Dichloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichloropropane	<5.	U	5.	5	10/21/02	
cis-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
trans-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
Ethylbenzene	<5.	U	5.	5	10/21/02	
1,1,2,2-Tetrachloroethane	<5.	U	5.	5	10/21/02	
Tetrachloroethylene	<5.	U	5.	5	10/21/02	
Toluene	<5.	U	5.	5	10/21/02	
1,1,1-Trichloroethane	<5.	U	5.	5	10/21/02	
1,1,2-Trichloroethane	<5.	U	5.	5	10/21/02	
Trichloroethylene	290.		5	5	10/21/02	
Trichlorofluoromethane	<5.	U	5.	5	10/21/02	
Vinyl Chloride	<5.	U	5.	5	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6540
Sample Description: MW-17
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<15.	U	15.	5	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	90.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6547
Sample Description: QC Trip Blank
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<1.	U	1.	1	10/21/02	
Bromodichloromethane	<1.	U	1.	1	10/21/02	
Bromoform	<10.	U	10.	1	10/21/02	
Bromomethane	<10.	U	10.	1	10/21/02	
Carbon tetrachloride	<1.	U	1.	1	10/21/02	
Chlorobenzene	<1.	U	1.	1	10/21/02	
Chloroethane	<1.	U	1.	1	10/21/02	
2-Chloroethylvinyl ether	<10.	U	10.	1	10/21/02	
Chloroform	<1.	U	1.	1	10/21/02	
Chloromethane	<10.	U	10.	1	10/21/02	
Dibromochloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,3-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,4-Dichlorobenzene	<5.	U	5.	1	10/21/02	
Dichlorodifluoromethane	<10.	U	10.	1	10/21/02	
1,1-Dichloroethane	<1.	U	1.	1	10/21/02	
1,2-Dichloroethane	<1.	U	1.	1	10/21/02	
1,1-Dichloroethylene	<1.	U	1.	1	10/21/02	
cis-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
trans-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
Dichloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichloropropane	<1.	U	1.	1	10/21/02	
cis-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
trans-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
Ethylbenzene	<1.	U	1.	1	10/21/02	
1,1,2,2-Tetrachloroethane	<1.	U	1.	1	10/21/02	
Tetrachloroethylene	<1.	U	1.	1	10/21/02	
Toluene	<1.	U	1.	1	10/21/02	
1,1,1-Trichloroethane	<1.	U	1.	1	10/21/02	
1,1,2-Trichloroethane	<1.	U	1.	1	10/21/02	
Trichloroethylene	<1.	U	1.	1	10/21/02	
Trichlorofluoromethane	<1.	U	1.	1	10/21/02	
Vinyl Chloride	<1.	U	1.	1	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6547
Sample Description: QC Trip Blank
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<3.	U	3.	1	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	108.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

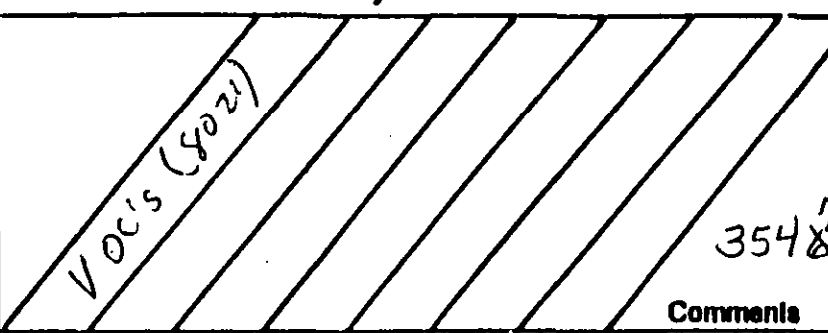
Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: O'BRIEN & GERE INC.						Analysis/Method							
Project: Former Accurate Die						 VOC's (8021) 3547							
Sampled by: YURI VELIZ													
Client Contact: Dave Carnevale Phone # 4376100													
Sample Description													
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments							
MW-5	10/10/02	1300	water	Grab	2	X							
MW-12		1345											
MW-6		1500											
PZ-1		1600											
MW-11		1635											
MW-10		1730											
MW-22	10/11/02	0930											
PZ-2		1120											
MW-17		1150											
MW-9		1300											
MW-13		1340											
MW-14		1430											
Relinquished by: YURI VELIZ Date: 10/11/02 Time:						Received by: Date: Time:							
Relinquished by: Date: Time:						Received by: Date: Time:							
Relinquished by: Date: Time:						Received by Lab: <i>[Signature]</i> Date: 10/11/02 Time: 19:00							
Shipment Method: hand delivery						Airbill Number:							

Turnaround Time Required:

Routine ☒
 Rush (Specify) _____

Comments: QCTB rec'd. & sched.; not on COC
 BPW 10/14/02

Cooler Temperature:

15°C - ON ICE

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

[illegible]**Turnaround Time Required:**

Routine X
Rush (Specify) _____

Comments:

Cooler Temperature: 15°C

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3574
Sample: X6934
Sample Description: MW-18
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/15/02 Matrix: Water
Received: 10/15/02 QC Batch: 102202W1
Prepared: 10/22/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<50.	U	50.	50	10/22/02	
Bromodichloromethane	<50.	U	50.	50	10/22/02	
Bromoform	<500.	U	500.	50	10/22/02	
Bromomethane	<500.	U	500.	50	10/22/02	
Carbon tetrachloride	<50.	U	50.	50	10/22/02	
Chlorobenzene	<50.	U	50.	50	10/22/02	
Chloroethane	<50.	U	50.	50	10/22/02	
2-Chloroethylvinyl ether	<500.	U	500.	50	10/22/02	
Chloroform	<50.	U	50.	50	10/22/02	
Chloromethane	<500.	U	500.	50	10/22/02	
Dibromochloromethane	<50.	U	50.	50	10/22/02	
1,2-Dichlorobenzene	<250.	U	250.	50	10/22/02	
1,3-Dichlorobenzene	<250.	U	250.	50	10/22/02	
1,4-Dichlorobenzene	<250.	U	250.	50	10/22/02	
Dichlorodifluoromethane	<500.	U	500.	50	10/22/02	
1,1-Dichloroethane	<50.	U	50.	50	10/22/02	
1,2-Dichloroethane	<50.	U	50.	50	10/22/02	
1,1-Dichloroethylene	<50.	U	50.	50	10/22/02	
cis-1,2-Dichloroethylene	310.		50	50	10/22/02	
trans-1,2-Dichloroethylene	<50.	U	50.	50	10/22/02	
Dichloromethane	<50.	U	50.	50	10/22/02	
1,2-Dichloropropane	<50.	U	50.	50	10/22/02	
cis-1,3-Dichloropropylene	<50.	U	50.	50	10/22/02	
trans-1,3-Dichloropropylene	<50.	U	50.	50	10/22/02	
Ethylbenzene	<50.	U	50.	50	10/22/02	
1,1,2,2-Tetrachloroethane	<50.	U	50.	50	10/22/02	
Tetrachloroethylene	<50.	U	50.	50	10/22/02	
Toluene	<50.	U	50.	50	10/22/02	
1,1,1-Trichloroethane	<50.	U	50.	50	10/22/02	
1,1,2-Trichloroethane	<50.	U	50.	50	10/22/02	
Trichloroethylene	2500.		50	50	10/22/02	
Trichlorofluoromethane	<50.	U	50.	50	10/22/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 23, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3574
Sample: X6934
Sample Description: MW-18
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/15/02 Matrix: Water
Received: 10/15/02 QC Batch: 102202W1
Prepared: 10/22/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Vinyl Chloride	<50.	U	50.	50	10/22/02	
Xylenes (total)	<150.	U	150.	50	10/22/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	95.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 23, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

(315) 437-0200

Chain of Custody

3574

Turnaround Time Required: _____
 Routine _____
 Rush (Specify) _____

Comments: Hold QC.T.B per C.O. Dill on 10/15/02 @ 14:55
 BPW.
 10/15/02

Rush (Specify)

Comments:

Comments: Hold Q.C.T.B per C.O. Dill on 10/15/02 @ 14:55

5/BEW

10115102

Order Temperature:

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6538
Sample Description: MW-22
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027 .001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<1.	U	1.	1	10/21/02	
Bromodichloromethane	<1.	U	1.	1	10/21/02	
Bromoform	<10.	U	10.	1	10/21/02	
Bromomethane	<10.	U	10.	1	10/21/02	
Carbon tetrachloride	<1.	U	1.	1	10/21/02	
Chlorobenzene	<1.	U	1.	1	10/21/02	
Chloroethane	<1.	U	1.	1	10/21/02	
2-Chloroethylvinyl ether	<10.	U	10.	1	10/21/02	
Chloroform	<1.	U	1.	1	10/21/02	
Chloromethane	<10.	U	10.	1	10/21/02	
Dibromochloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,3-Dichlorobenzene	<5.	U	5.	1	10/21/02	
1,4-Dichlorobenzene	<5.	U	5.	1	10/21/02	
Dichlorodifluoromethane	<10.	U	10.	1	10/21/02	
1,1-Dichloroethane	<1.	U	1.	1	10/21/02	
1,2-Dichloroethane	<1.	U	1.	1	10/21/02	
1,1-Dichloroethylene	<1.	U	1.	1	10/21/02	
cis-1,2-Dichloroethylene	51.		1	1	10/21/02	
trans-1,2-Dichloroethylene	<1.	U	1.	1	10/21/02	
Dichloromethane	<1.	U	1.	1	10/21/02	
1,2-Dichloropropane	<1.	U	1.	1	10/21/02	
cis-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
trans-1,3-Dichloropropylene	<1.	U	1.	1	10/21/02	
Ethylbenzene	<1.	U	1.	1	10/21/02	
1,1,2,2-Tetrachloroethane	<1.	U	1.	1	10/21/02	
Tetrachloroethylene	<1.	U	1.	1	10/21/02	
Toluene	<1.	U	1.	1	10/21/02	
1,1,1-Trichloroethane	<1.	U	1.	1	10/21/02	
1,1,2-Trichloroethane	<1.	U	1.	1	10/21/02	
Trichloroethylene	4.		1	1	10/21/02	
Trichlorofluoromethane	<1.	U	1.	1	10/21/02	
Vinyl Chloride	<1.	U	1.	1	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6538
Sample Description: MW-22
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<3.	U	3.	1	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	103.		76 - 115
Fluorobenzene (surrogate)	99.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6535
Sample Description: PZ-1
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<2.	U	2.	2	10/21/02	
Bromodichloromethane	<2.	U	2.	2	10/21/02	
Bromoform	<20.	U	20.	2	10/21/02	
Bromomethane	<20.	U	20.	2	10/21/02	
Carbon tetrachloride	<2.	U	2.	2	10/21/02	
Chlorobenzene	<2.	U	2.	2	10/21/02	
Chloroethane	<2.	U	2.	2	10/21/02	
2-Chloroethylvinyl ether	<20.	U	20.	2	10/21/02	
Chloroform	<2.	U	2.	2	10/21/02	
Chloromethane	<20.	U	20.	2	10/21/02	
Dibromochloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,3-Dichlorobenzene	<10.	U	10.	2	10/21/02	
1,4-Dichlorobenzene	<10.	U	10.	2	10/21/02	
Dichlorodifluoromethane	<20.	U	20.	2	10/21/02	
1,1-Dichloroethane	<2.	U	2.	2	10/21/02	
1,2-Dichloroethane	<2.	U	2.	2	10/21/02	
1,1-Dichloroethylene	<2.	U	2.	2	10/21/02	
cis-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
trans-1,2-Dichloroethylene	<2.	U	2.	2	10/21/02	
Dichloromethane	<2.	U	2.	2	10/21/02	
1,2-Dichloropropane	<2.	U	2.	2	10/21/02	
cis-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
trans-1,3-Dichloropropylene	<2.	U	2.	2	10/21/02	
Ethylbenzene	<2.	U	2.	2	10/21/02	
1,1,2,2-Tetrachloroethane	<2.	U	2.	2	10/21/02	
Tetrachloroethylene	<2.	U	2.	2	10/21/02	
Toluene	<2.	U	2.	2	10/21/02	
1,1,1-Trichloroethane	<2.	U	2.	2	10/21/02	
1,1,2-Trichloroethane	<2.	U	2.	2	10/21/02	
Trichloroethylene	79.		2	2	10/21/02	
Trichlorofluoromethane	<2.	U	2.	2	10/21/02	
Vinyl Chloride	<2.	U	2.	2	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6535
Sample Description: PZ-1
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/10/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<6.	U	6.	2	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	104.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6539
Sample Description: PZ-2
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Benzene	<5.	U	5.	5	10/21/02	
Bromodichloromethane	<5.	U	5.	5	10/21/02	
Bromoform	<50.	U	50.	5	10/21/02	
Bromomethane	<50.	U	50.	5	10/21/02	
Carbon tetrachloride	<5.	U	5.	5	10/21/02	
Chlorobenzene	<5.	U	5.	5	10/21/02	
Chloroethane	<5.	U	5.	5	10/21/02	
2-Chloroethylvinyl ether	<50.	U	50.	5	10/21/02	
Chloroform	<5.	U	5.	5	10/21/02	
Chloromethane	<50.	U	50.	5	10/21/02	
Dibromochloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,3-Dichlorobenzene	<25.	U	25.	5	10/21/02	
1,4-Dichlorobenzene	<25.	U	25.	5	10/21/02	
Dichlorodifluoromethane	<50.	U	50.	5	10/21/02	
1,1-Dichloroethane	<5.	U	5.	5	10/21/02	
1,2-Dichloroethane	<5.	U	5.	5	10/21/02	
1,1-Dichloroethylene	<5.	U	5.	5	10/21/02	
cis-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02	
trans-1,2-Dichloroethylene	<5.	U	5.	5	10/21/02	
Dichloromethane	<5.	U	5.	5	10/21/02	
1,2-Dichloropropane	<5.	U	5.	5	10/21/02	
cis-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
trans-1,3-Dichloropropylene	<5.	U	5.	5	10/21/02	
Ethylbenzene	<5.	U	5.	5	10/21/02	
1,1,2,2-Tetrachloroethane	<5.	U	5.	5	10/21/02	
Tetrachloroethylene	<5.	U	5.	5	10/21/02	
Toluene	<5.	U	5.	5	10/21/02	
1,1,1-Trichloroethane	<5.	U	5.	5	10/21/02	
1,1,2-Trichloroethane	<5.	U	5.	5	10/21/02	
Trichloroethylene	160.		5	5	10/21/02	
Trichlorofluoromethane	<5.	U	5.	5	10/21/02	
Vinyl Chloride	<5.	U	5.	5	10/21/02	

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6539
Sample Description: PZ-2
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/21/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<15.	U	15.	5	10/21/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	99.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: 
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8021

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6544
Sample Description: SUMP
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/22/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed Notes
Benzene	<50.	U	50.	50	10/22/02
Bromodichloromethane	<50.	U	50.	50	10/22/02
Bromoform	<500.	U	500.	50	10/22/02
Bromomethane	<500.	U	500.	50	10/22/02
Carbon tetrachloride	<50.	U	50.	50	10/22/02
Chlorobenzene	<50.	U	50.	50	10/22/02
Chloroethane	<50.	U	50.	50	10/22/02
2-Chloroethylvinyl ether	<500.	U	500.	50	10/22/02
Chloroform	<50.	U	50.	50	10/22/02
Chloromethane	<500.	U	500.	50	10/22/02
Dibromochloromethane	<50.	U	50.	50	10/22/02
1,2-Dichlorobenzene	<250.	U	250.	50	10/22/02
1,3-Dichlorobenzene	<250.	U	250.	50	10/22/02
1,4-Dichlorobenzene	<250.	U	250.	50	10/22/02
Dichlorodifluoromethane	<500.	U	500.	50	10/22/02
1,1-Dichloroethane	<50.	U	50.	50	10/22/02
1,2-Dichloroethane	<50.	U	50.	50	10/22/02
1,1-Dichloroethylene	<50.	U	50.	50	10/22/02
cis-1,2-Dichloroethylene	<50.	U	50.	50	10/22/02
trans-1,2-Dichloroethylene	<50.	U	50.	50	10/22/02
Dichloromethane	<50.	U	50.	50	10/22/02
1,2-Dichloropropane	<50.	U	50.	50	10/22/02
cis-1,3-Dichloropropylene	<50.	U	50.	50	10/22/02
trans-1,3-Dichloropropylene	<50.	U	50.	50	10/22/02
Ethylbenzene	<50.	U	50.	50	10/22/02
1,1,2,2-Tetrachloroethane	<50.	U	50.	50	10/22/02
Tetrachloroethylene	<50.	U	50.	50	10/22/02
Toluene	<50.	U	50.	50	10/22/02
1,1,1-Trichloroethane	<50.	U	50.	50	10/22/02
1,1,2-Trichloroethane	<50.	U	50.	50	10/22/02
Trichloroethylene	1100.		50	50	10/22/02
Trichlorofluoromethane	<50.	U	50.	50	10/22/02
Vinyl Chloride	<50.	U	50.	50	10/22/02

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8021**

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3547
Sample: X6544
Sample Description: SUMP
Instrument: 9001
Units: ug/L
Number of analytes: 34

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 10/11/02 Matrix: Water
Received: 10/11/02 QC Batch: 102102W1
Prepared: 10/22/02 %Solids:
Sample Size: 5 ml

Parameter	Result	Qual	PQL	Dil	Analyzed	Notes
Xylenes (total)	<150.	U	150.	50	10/22/02	

Surrogate	%R	Qual	%R Limits
2-Chloropropane (surrogate)	100.		76 - 115
Fluorobenzene (surrogate)	98.		85 - 115

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits. U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: *Monika Santucci*
Date: October 22, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200



JAN - 2 2003

December 30, 2002

Mr. John C. Grathwol, P.E.
Bureau of Construction Services - Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: Former Accurate Die Casting Site
Fayetteville, NY

File: 2488/25463 #2

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for November 2002. This report is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

Operation Status & Activities Completed:

1. As of December 2, 2002, a total of 51,531,310 gallons of groundwater has been treated since startup on February 5, 1996. Since November 1, 2002, 465,400 gallons of groundwater was treated; 297,570 gallons from recovery well RW-1, 167,820 gallons from recovery well RW-2, and 10 gallons from the groundwater collection trench constructed in the former VOC/PAH/PCB Soils Area. No water was recovered from the sump located outside the northeast corner of the building,
2. O'Brien & Gere performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed in November 2002 are summarized in Table 1. The laboratory analytical data sheets are provided as Attachment A.
3. On November 25th the spent granular activated carbon in vessel #2 was replaced. After replacing the carbon in vessel #2, GAC vessel #1 was placed into lead service and GAC vessel #2 was placed into lag service.

Activities Scheduled:

1. Continued operation of the ground water recovery and treatment system, including SPDES monitoring.



O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • [http:// www.obg.com](http://www.obg.com)
... and offices in major U.S. cities

Mr. John C. Grathwol, P.E.
December 30, 2002
Page 2

If you have any questions regarding this report, please do not hesitate to call me or Jason Sperry at (315) 437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Alfred R. Farrell', written in a cursive style.

Alfred R. Farrell, P.E.
Senior Project Engineer

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Attachments

cc: A. English – NYSDEC
James Burke – NYSDEC Region 7
Director, Bureau of Environmental Exposure Investigation – NYSDOH
H. Hamel – NYSDOH
P. Anderson – The Anderson Company
D. Carnevale – O'Brien & Gere Engineers, Inc.
J. Sperry – O'Brien & Gere Engineers, Inc.

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency(1)	Sample Type	11/05/02	11/06/02	11/07/02	11/12/02
Flow (GPD)	Monitor	150000	Continuous	Meter	15120	---	14956	14780
pH (SU)	6.5 - 8.5		2/Week	Grab	8.43	---	8.43	8.43
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	5 U	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	960	---	---
CBOD5 (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TKN (mg/L)	Monitor	Monitor	Quarterly	3-hr comp.	---	---	---	---
TOD (mg/L)	Monitor	15	Quarterly	Calculated	---	---	---	---
Dissolved Oxygen (mg/L)	Monitor	7 Min.	Quarterly	Grab	---	---	---	---
Aluminum, dissolved (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Antimony, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Chromium, total (mg/L)	Monitor	0.5	Quarterly	3-hr comp.	---	---	---	---
Cobalt, total (mg/L)	Monitor	0.01	Quarterly	3-hr comp.	---	---	---	---
Copper, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Iron, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---
Lead, total (mg/L)	Monitor	0.02	Quarterly	3-hr comp.	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	2/Month	3-hr comp.	---	0.00032	---	---
Nickel, total (mg/L)	Monitor	0.2	Quarterly	3-hr comp.	---	---	---	---
Silver, total (mg/L)	Monitor	0.1	Quarterly	3-hr comp.	---	---	---	---
Vanadium, total (mg/L)	Monitor	0.03	Quarterly	3-hr comp.	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	2/Month	3-hr comp.	---	0.01 U	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.5 U	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.5 U	---	---
Methylene chloride (ug/L)	Monitor	50	2/Month	Grab	---	2 U	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	30	2/Month	Grab	---	0.5 U	---	---
Tetrachloroethene (ug/L)	Monitor	20	2/Month	Grab	---	0.5 U	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	0.5 U	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	0.5 U	---	---
Acetone (ug/L)	Monitor	1000	2/Month	Grab	---	10 U	---	---
2-Hexanone (ug/L)	Monitor	1000	2/Month	Grab	---	5 U	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	Monitor	1000	2/Month	Grab	---	5 U	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

Table 1
Accurate Die Casting Site
Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte	Effluent 11/13/02	Effluent 11/14/02	Effluent 11/19/02	Effluent 11/21/02	Effluent 11/25/02	Effluent 11/26/02
Flow (GPD)	---	14740	14510	14900	---	15193
pH (SU)	---	8.43	8.45	8.45	---	9.04
Residue, non-filterable (mg/L)	5 U	---	5 U	---	5 U	---
Total dissolved solids (TDS) (mg/L)	970	---	960	---	890	---
CBOD5 (mg/L)	---	---	---	---	---	---
TKN (mg/L)	---	---	---	---	---	---
TOD (mg/L)	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---
Aluminum, dissolved (mg/L)	---	---	---	---	---	---
Antimony, total (mg/L)	---	---	---	---	---	---
Chromium, total (mg/L)	---	---	---	---	---	---
Cobalt, total (mg/L)	---	---	---	---	---	---
Copper, total (mg/L)	---	---	---	---	---	---
Iron, total (mg/L)	---	---	---	---	---	---
Lead, total (mg/L)	---	---	---	---	---	---
Mercury, total (mg/L)	---	---	0.0002 U	---	---	---
Nickel, total (mg/L)	---	---	---	---	---	---
Silver, total (mg/L)	---	---	---	---	---	---
Vanadium, total (mg/L)	---	---	---	---	---	---
Zinc, total (mg/L)	---	---	0.018	---	---	---
cis-1,2-Dichloroethene (ug/L)	---	---	0.5 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	---	---	0.5 U	---	---	---
Methylene chloride (ug/L)	---	---	2 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	---	---	0.5 U	---	---	---
Tetrachloroethene (ug/L)	---	---	0.5 U	---	---	---
Toluene (ug/L)	---	---	0.5 U	---	---	---
Trichloroethene (ug/L)	---	---	0.5 U	---	---	---
Acetone (ug/L)	---	---	10 U	---	---	---
2-Hexanone (ug/L)	---	---	5 U	---	---	---
4-Methyl-2-pentanone (MIBK) (ug/L)	---	---	5 U	---	---	---

NOTES: (1) Minimum monitoring requirements based on the SPDES permit modified November 21, 1997.

--- - Not analyzed, NA - Data not available

U - Not Detected, J - Estimated

TOD = 1.5 X CBOD5 + 4.5 X TKN

ATTACHMENT A

**SPDES PERMIT COMPLIANCE MONITORING
LABORATORY ANALYTICAL DATA REPORT**

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0848
Sample Description: WTP Influent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 QC Batch: 111102W7
Prepared: 11/11/02 %Solids:
Sample Size: 10 mL
Dilution: 10

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<100.	U	100	11/11/02
Methylene chloride	<20.	U	20	11/11/02
trans-1,2-Dichloroethene	<5.0	U	5	11/11/02
cis-1,2-Dichloroethene	5.2		5	11/11/02
Trichloroethene	540.	E	5	11/11/02
4-Methyl-2-pentanone	<50.	U	50	11/11/02
Toluene	<5.0	U	5	11/11/02
2-Hexanone	<50.	U	50	11/11/02
Tetrachloroethene	<5.0	U	5	11/11/02
1,1,2,2-Tetrachloroethane	<5.0	U	5	11/11/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	102		71-130
1,2-Dichloroethane-d4 (surrogate)	110		76-126
Toluene-d8 (surrogate)	109		82-119
Bromofluorobenzene (surrogate)	94		75-119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0848 DL
Sample Description: WTP Influent
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 QC Batch: 110802W1
Prepared: 11/08/02 %Solids:
Sample Size: 10 mL
Dilution: 50

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<500.	U	500	11/08/02
Methylene chloride	<100.	U	100	11/08/02
trans-1,2-Dichloroethene	<25.	U	25	11/08/02
cis-1,2-Dichloroethene	<25.	U	25	11/08/02
Trichloroethene	590.		25	11/08/02
4-Methyl-2-pentanone	<250.	U	250	11/08/02
Toluene	<25.	U	25	11/08/02
2-Hexanone	<250.	U	250	11/08/02
Tetrachloroethene	<25.	U	25	11/08/02
1,1,2,2-Tetrachloroethane	<25.	U	25	11/08/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		71 - 130
1,2-Dichloroethane-d4 (surrogate)	108		76 - 126
Toluene-d8 (surrogate)	105		82 - 119
Bromofluorobenzene (surrogate)	109		75 - 119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0849
Sample Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 QC Batch: 110802W1
Prepared: 11/08/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.	U	10	11/08/02
Methylene chloride	<2.0	U	2	11/08/02
trans-1,2-Dichloroethene	<.50	U	.5	11/08/02
cis-1,2-Dichloroethene	7.3		.5	11/08/02
Trichloroethene	280.	E	.5	11/08/02
4-Methyl-2-pentanone	<5.0	U	5	11/08/02
Toluene	<.50	U	.5	11/08/02
2-Hexanone	<5.0	U	5	11/08/02
Tetrachloroethene	<.50	U	.5	11/08/02
1,1,2,2-Tetrachloroethane	<.50	U	.5	11/08/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	110		71-130
1,2-Dichloroethane-d4 (surrogate)	110		76-126
Toluene-d8 (surrogate)	108		82-119
Bromofluorobenzene (surrogate)	108		75-119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0849 DL
Sample Description: WTP Between Carbons
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 QC Batch: 111102W7
Prepared: 11/11/02 %Solids:
Sample Size: 10 mL
Dilution: 20

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<200.	U	200	11/11/02
Methylene chloride	<40.	U	40	11/11/02
trans-1,2-Dichloroethene	<10.	U	10	11/11/02
cis-1,2-Dichloroethene	<10.	U	10	11/11/02
Trichloroethene	240.		10	11/11/02
4-Methyl-2-pentanone	<100.	U	100	11/11/02
Toluene	<10.	U	10	11/11/02
2-Hexanone	<100.	U	100	11/11/02
Tetrachloroethene	<10.	U	10	11/11/02
1,1,2,2-Tetrachloroethane	<10.	U	10	11/11/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	99		71 - 130
1,2-Dichloroethane-d4 (surrogate)	107		76 - 126
Toluene-d8 (surrogate)	105		82 - 119
Bromofluorobenzene (surrogate)	91		75 - 119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0850
Sample Description: WTP Effluent-12:25
Instrument: HP5973 GCMS#3
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 QC Batch: 110802W1
Prepared: 11/08/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.	U	10	11/08/02
Methylene chloride	<2.0	U	2	11/08/02
trans-1,2-Dichloroethene	<.50	U	.5	11/08/02
cis-1,2-Dichloroethene	<.50	U	.5	11/08/02
Trichloroethene	<.50	U	.5	11/08/02
4-Methyl-2-pentanone	<5.0	U	5	11/08/02
Toluene	<.50	U	.5	11/08/02
2-Hexanone	<5.0	U	5	11/08/02
Tetrachloroethene	<.50	U	.5	11/08/02
1,1,2,2-Tetrachloroethane	<.50	U	.5	11/08/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	107		71 - 130
1,2-Dichloroethane-d4 (surrogate)	108		76 - 126
Toluene-d8 (surrogate)	103		82 - 119
Bromofluorobenzene (surrogate)	107		75 - 119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 12, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0851
Sample Description: WTP Effluent-12:40
Units: mg/L

Job No.: 3027 . 001.11102
Certification NY No.: 10155

Collected: 11/06/02 Matrix: Water
Received: 11/06/02 %Solids:
Number of analytes: 2

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Mercury	.00032		245.1	.00020	11/13/02	11/13/02	111302W2	1	
Zinc	<.010	U	200.7	.010	11/08/02	11/12/02	110802W5	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 18, 2002 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3789
Sample: Y0851
Samp. Description: WTP Effluent-12:40

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/06/02 12:40
Received: 11/06/02 13:50
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	960.		mg/L	EPA 160.1	10.	11/11/02	111102W21	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	11/08/02	110802W21	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 18, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

3789

Chain of Custody

Client: <u>OGINA</u>						Analysis/Method									
Project: <u>Former Accurate Die</u>						VOL's TSS / TDS Zn, Hg									
Sampled by: <u>MARTIN KOENNECKE</u>															
Client Contact: <u>AL FARRELL</u> Phone # <u>2316</u>															
Sample Description															
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers										
WTP Influent	11-6-02	12:25	water	GRAB	2	2									
WTP BETWEEN CARBONS	11-6-02	12:25	water	GRAB	2	2									
WTP Effluent	11-6-02	12:25	water	GRAB	2	2									
WTP Effluent	11-6-02	12:40	water	Comp	2		1	1							
Relinquished by: <u>Martin & Koennecke</u> Date: <u>11-6-02</u> Time: <u>13:50</u>						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____									
Relinquished by: _____ Date: _____ Time: _____						Received by Lab: <u>Herb & B. Jones</u> Date: <u>11/6/02</u> Time: <u>13:50</u>									
Shipment Method: <u>HAND</u>						Airbill Number: _____									

Turnaround Time Required:
 Routine X
 Rush (Specify) _____

Comments:

Cooler Temperature: 10°C

Original Laboratory Copy Client

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3836
Sample: Y2810
Samp. Description: WTP Effluent

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/13/02
Received: 11/13/02 09:46
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	970.		mg/L	EPA 160.1	10.	11/15/02	111502W25	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	11/15/02	111502W23	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

Original Laboratory Case #

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3894
Sample: Y4014
Sample Description: WTP Effluent-10:45
Instrument: HP5973 GC/MS#1
Units: ug/L
Number of analytes: 10

Job No.: 3027.001.11102
Certification NY No.: 10155

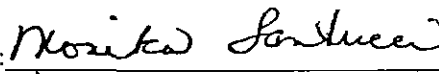
Collected: 11/19/02 Matrix: Water
Received: 11/19/02 QC Batch: 112002W1
Prepared: 11/20/02 %Solids:
Sample Size: 10 mL
Dilution: 1

Parameter	Result	Qual	PQL	Analyzed Notes
Acetone	<10.	U	10	11/20/02
Methylene chloride	<2.0	U	2	11/20/02
trans-1,2-Dichloroethene	<.50	U	.5	11/20/02
cis-1,2-Dichloroethene	<.50	U	.5	11/20/02
Trichloroethene	<.50	U	.5	11/20/02
4-Methyl-2-pentanone	<5.0	U	5	11/20/02
Toluene	<.50	U	.5	11/20/02
2-Hexanone	<5.0	U	5	11/20/02
Tetrachloroethene	<.50	U	.5	11/20/02
1,1,2,2-Tetrachloroethane	<.50	U	.5	11/20/02

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	85		71 - 130
1,2-Dichloroethane-d4 (surrogate)	89		76 - 126
Toluene-d8 (surrogate)	92		82 - 119
Bromofluorobenzene (surrogate)	92		75 - 119

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
- Outside control limits U - Undetected at the reported level.
J - reported value is estimated. D - Result is diluted.
E - concentration exceeded the calibration range and is estimated.

Authorized: 
Date: November 21, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3894
Sample: Y4015
Samp. Description: WTP Effluent-11:00

Job No.: 3027.001.11102
Certification NY No.: 10155

Collected: 11/19/02 11:00
Received: 11/19/02 11:20
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	960.		mg/L	EPA 160.1	10.	11/20/02	112002W21	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	11/20/02	112002W22	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: November 25, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:
Package#: 3894
Sample: Y4015
Sample Description: WTP Effluent-11:00
Units: mg/L

Job No.: 3027 . 001.11102
Certification NY No.: 10155

Collected: 11/19/02 Matrix: Water
Received: 11/19/02 %Solids:
Number of analytes: 2

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Mercury	<.00020	U	245.1	.00020	11/22/02	11/22/02	112202W1	1	
Zinc	.018		200.7	.010	11/26/02	12/02/02	112602W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: December 4, 2002 Monika Santucci

3894

Chain of Custody .

Original Laboratory: _____

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Inc. of North America
Project: Former Accurate Die - Fayetteville, NY
Proj. Desc:

Job No.: 3027.001.11102
Certification NY No.: 10155

Package#: 3972
Sample: Y6487
Samp. Description: WTP Effluent

Collected: 11/25/02
Received: 11/26/02 08:38
Matrix: Water

Number of Analytes: 2

Parameter	Result	Q	Units	Method	PQL	Analyzed	QC Batch	Note
Total dissolved solids	890.		mg/L	EPA 160.1	10.	11/26/02	112602W24	
Total suspended solids	<5.0	U	mg/L	EPA 160.2	5.0	11/26/02	112602W23	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Monika Santucci
Date: December 10, 2002 Monika Santucci

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

**5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200**

Chain of Custody

2911

[illegible]**Turnaround Time Required:****Comments:**

Routine X
Rush (Specify) _____

Cooler Temperature: 40°

Original Laboratory Copy-Client

END

OF

DOCUMENT