

**JAMES HIGHLANDS**  
**JimHighlands@AOL.Com**  
**Management Systems Analysis, Inc.**  
**P.O. Box 136**  
**Royersford, PA 19468**  
**610-409-0168**

### **PROFESSIONAL AFFILIATIONS**

ASME Member Committee Nuclear Certification  
ASME Member Board on Conformity Assessment  
ASME Member Subgroup General Requirements Section III (SGGR)  
ASME Working Group on Quality Assurance, Certification and Stamping Section III (SG-GR)  
American Society of Mechanical Engineers, Member  
American Society of Quality Control - Member  
American National Standards Institute, Corp. Member  
Chairman Board of Directors IAR  
U.S. TAG to ISO TC176 Quality Systems Committee (ISO 9000)  
U.S. Lead Delegate to ISO TC 176/SC 3/WG 5  
U.S. Delegate to ISO TC 207 SC 1 Environmental Management (ISO/DIS 14001)  
U.S. TAG to ISO TC 207 SubTag 1 Vice Chairman  
U.S Lead Delegate to ISO 9001 :2000 Writing Group 1.7.7  
ANSI RAB EMS Accreditation Council - Member  
Chair ANSI/ASC Z-1 Subcommittee Environment  
ANSI/ASC Z-1 Quality Standards - Chairman TG Quality Documentation

### **CERTIFICATIONS**

Certified Nuclear Lead Auditor - NQA-1/ANSI N45.2.23 - 1981  
Certified Lead Assessor - IQA London - 1991  
Certified Lead Auditor - RAB U.S. - 1991  
Certified Quality Auditor - ASQC 1989

### **PUBLICATIONS**

PBS -ILL-BSI ISO 14000 EMS Broadcast Panel Member  
Certified Quality Manager Training Program - Course Development Team  
Author ISO 9000 2000 Revisions – McGraw Hill  
Author Making Quality Systems Profitable – McGraw Hill  
Contributing Author – Implementing ISO 9000:2000 – Quality Press  
ASQ ISO 9000 Handbook – Contributing author 2002  
McGraw Hills ISO 9000 Handbook Contributing Author 2002  
QSU Auditor in a Box – Author 2002

## **EDUCATION**

Metallurgy - Pennsylvania State University, 1972  
Business Administration - Southwest University, 1987  
MBA in Finance and Accounting - Southwest University. 1992

## **EMPLOYMENT**

Management Systems Analysis Inc. - President 1986 - Pres.  
Bechtel Power Corp. Corp. Lead Auditor/Consultant 1981-1986  
    PECO - Limerick Generating Station  
    Georgia Power - Vogle Plant  
    Arizona Nuclear Power - Project. Palo Verdi  
    DoE - Savannah River Project  
    DoE - Hanford  
    DoE - Oak Ridge  
Anchor/Darling Ind. Lead Auditor 1980-1981  
Manager Metallurgical Lab 1973- 1979

## **COURSE INSTRUCTOR**

ASME NQA-1 MSA - Clients Course 2000 – 2011 Lead Auditor Course  
ISO: 9000:1987 ASQ, Pennsylvania State College, Manufacturers Resource Center 1990 - 1994  
Auditing Manufacturers Resource Center & MSA 1993 -2003  
Internal Auditing Manufacturers Resource Center & MSA 1993 -2003  
ISO 9000:1994 Transition Pennsylvania State College, Manufacturers Resource Center 1994 -  
1998  
ISO 14001:1996 ASQ, SAM Group, ICC Paris 1996 - 2003  
Advanced ISO 9000 ASQ 1996 – 2000  
Integrating ISO 14001 and ISO 9001 ASQ 1998 - 2003  
ISO 9000:2000 ASQ 1999 - 2000  
ANSI's Course 2000- 2004  
    American Way ANSI Accredited Standards  
    US Delegate to ISO  
    International Secretariat  
    Tag Operations

**Management Systems Analysis, Inc.  
Auditor Qualifications**

Name: James Highlands		Lead Auditor		Date: 2/6/89
<b>Qualification Point Requirements</b>				
Education - University / Degree			4 Credits Max.	Credits
1. Undergraduate Level: Penn State University - Metallurgy				
2. Graduate Level: Southwest University - BS/BA 7/88 MBA Finance/Accounting 5/90				2
Experience:		Company and Dates	9 Credits Max.	Credits
Technical 0-5 Credits and		Cann & Saul Steel 1971-1980		
Nuclear Industry 0-1 Credit, or		Anchor Darling 1980 - 1981		5
Quality Assurance 2 Credits, or		Bechtel Power Corp 1980 - 1986		
Nuclear Quality Assurance 3 Credits, or				
Nuclear QA Auditing 4 Credits		Bechtel Power Corp 1980 - 1986		4
Professional Competence		Certificate and Dates	2 Credits Max.	Credits
1. P.E.: RAB Cert Lead Auditor				1
2. Society: ASQ Certified Auditor				1
Rights of Management			2 Credits Max.	Credits
See attached				2
Evaluated by: (Print and sign)		Title:	Date:	Total Credit 15
See Attached				
This individual has demonstrated the ability to communicate effectively both written and orally.				
Evaluated by: (Print and sign)		Title:	Date:	
See Attached				
Audit Training Course(s)	Course Title or Topic			Date (s)
1. See Attached				
2.				
Auditor Examination:		Written <input checked="" type="checkbox"/> Oral <input type="checkbox"/>	Passed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2/20/81
Audit Participation Audit and Location			Dates	
1. See Attached				
2.				
3.				
4.				
5.				
Comments: X If box is checked the information has been transferred from previous records to present form.				
This form is an attachment to the original Lead Auditor Certification				
Certified by: (Print and sign)		Title:	Date:	
See Attached				

**Annual Evaluation Record**

Signature & Date

<i>James Highlands</i>	01/26/89	<i>James Highlands</i>	01/26/88	<i>James Highlands</i>	01/26/82
<i>James Highlands</i>	01/26/85	<i>James Highlands</i>	01/26/81	<i>James Highlands</i>	11/25/83
<i>James Highlands</i>	01/26/86	<i>James Highlands</i>	01/26/84	<i>James Highlands</i>	11/25/84
<i>James Highlands</i>	11/26/87	<i>James Highlands</i>	01/26/87	<i>James Highlands</i>	11/19/85
				<i>James Highlands</i>	1/8/16

James Highlands  
Lead Auditor Qualification  
Continuation Page

Name	Date
Kathleen	3 JAN 2017

## Management Systems Analysis, Inc. Auditor Qualifications

Name: James Highlands	Lead Auditor	Date: 2/6/89
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### Qualification Point Requirements

Education - University / Degree	4 Credits Max.	Credits
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1. Undergraduate Level: Penn State University - Metallurgy		
2. Graduate Level: Southwest University - BS/BA 7/88 MBA Finance/Accounting 5/90		2

Experience:	Company and Dates	9 Credits Max.	Credits
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Technical 0-5 Credits and Nuclear Industry 0-1 Credit, or Quality Assurance 2 Credits, or Nuclear Quality Assurance 3 Credits, or Nuclear QA Auditing 4 Credits	Cann & Saul Steel 1971-1980 Anchor Darling 1980 - 1981 Bechtel Power Corp 1980 - 1986 Bechtel Power Corp 1980 - 1986		5
			4

Professional Competence	Certificate and Dates	2 Credits Max.	Credits
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1. P.E.: RAB Cert Lead Auditor			1
2. Society: ASQ Certified Auditor			1

Rights of Management	2 Credits Max.	Credits
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See attached		2
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Evaluated by: (Print and sign)	Title:	Date:	Total Credit
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See Attached			15
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This individual has demonstrated the ability to communicate effectively both written and orally.

Evaluated by: (Print and sign)	Title:	Date:
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See Attached		
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Audit Training Course(s)	Course Title or Topic	Date (s)
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1. See Attached		
2.		

Auditor Examination:	Written <input checked="" type="checkbox"/>	Oral <input type="checkbox"/>	Passed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2/20/81
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Audit Participation	Audit and Location	Dates
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1. See Attached		
2.		
3.		
4.		
5.		

Comments: X If box is checked the information has been transferred from previous records to present form.

This form is an attachment to the original Lead Auditor Certification

Certified by: (Print and sign)	Title:	Date:
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See Attached		
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### Annual Evaluation Record

Signature & Date

<i>James Highlands</i>	01/26/84	<i>James Highlands</i>	01/26/88	<i>James Highlands</i>	01/26/92
<i>James Highlands</i>	01/26/85	<i>James Highlands</i>	01/26/89	<i>James Highlands</i>	01/26/93
<i>James Highlands</i>	01/26/86	<i>James Highlands</i>	01/26/90	<i>James Highlands</i>	01/26/94
<i>James Highlands</i>	01/26/87	<i>James Highlands</i>	01/26/91	<i>James Highlands</i>	01/26/95

## Management Systems Analysis Inc. Auditor Qualifications

<b>RECORD OF LEAD AUDITOR QUALIFICATION</b>		<b>Name</b> James Highlands	<b>Date</b> 2/6/89
<b>EMPLOYER:</b> Management Systems Analysis Inc.			
<b>QUALIFICATION POINT REQUIREMENTS</b>			<b>CREDITS</b>
<b>Education – University/Degree Date</b>		<b>4 Credits Max.</b>	<u>2</u>
1. Undergraduate Level	Southwest Univ. BS/BA 7/88.....	.....	2
2. Graduate Level	Penn State Univ Metallurgy 74 (no degree) Southwest Univ MBA Finance/Accounting 5/90	.....	2
<b>Experience – Company/Dates</b>		<b>9 Credits Max.</b>	<u>9</u>
Technical (0-5 credits) and Nuclear Industry (0-1 credit), or Quality Assurance (0-2 credits), or Auditing (0-4 credits)	Cann & Saul Steel 1971-1980.....	.....	5
	Anchor/Darling Ind. 1980-1981	.....	4
	Bechtel Power Corp. 1981-1986	.....	4
	" " " " " " .....	.....	4
<b>Professional Accomplishment – Certificate/Date</b>		<b>2 Credits Max.</b>	<u>2</u>
1. P.E. ASQC No. 49214 Energy Committee			
2. Society American Society of Mechanical Engineers			
<b>Management – Justification/Evaluator/Date</b>		<b>2 Credits Max.</b>	<u>2</u>
Explain: Based on previous certifications as an audit team leader by Bechtel Power Corp. & Anchor/Darling.....		.....	2
Evaluated by: (Name and Title) James Highlands Pres. & L. Loveland Consultant		2/6/89 Date	
<b>Total Credits:</b>			<u>13</u>
<b>AUDIT COMMUNICATION SKILLS</b>			
Based on written & verbal communication skills			
Evaluated by: (Name and Title) James Highlands Pres. & L. Loveland Consultant		2/6/89 Date	
<b>AUDIT TRAINING COURSES</b>			
<b>Course Title or Topic:</b> (see attached for additional information)			<b>Date</b>
1. Auditing Nuclear Q.A. Programs			2/81
2. Bechtel Power Auditor Training			10/81
<b>AUDIT PARTICIPATION</b>			
	<b>Location</b>	<b>Audit</b>	<b>Date</b>
1.	See attached Audit Participation List		
2.			
3.			
4.			
5.			
<b>EXAMINATION:</b> New Brunswick, NJ			<b>PASSED:</b> Certificate #A-4186
			<b>DATE:</b> 2/20/81
<b>AUDITOR QUALIFICATION CERTIFIED BY:</b>			<b>Date Certified</b>
(Signature and Title) Lynn S. Loveland Consultant			2/17/89
<b>ANNUAL EVALUATION</b> (Signature and Date)	<i>[Signature]</i> 2/6/90	<i>[Signature]</i> 2/5/91	<i>[Signature]</i> 2/3/92
	<i>[Signature]</i> 1/25/93	<i>[Signature]</i> 1/25/94	<i>[Signature]</i> 1/25/97
	<i>[Signature]</i> 1/26/2000	<i>[Signature]</i> 01/26/01	<i>[Signature]</i> 01/26/02
	<i>[Signature]</i> 1/26/98	<i>[Signature]</i> 1/26/98	<i>[Signature]</i> 1/26/99

# James Highlands

## Audits Performed

Alfa Laval	Branchburg, N.J.	9/23/81
Thermo Electric	Saddle Brook, N.J.	9/29/81
Thames Valley Steel	New London, C.T.	10/07/81
ITT Grinnell	Warren, O.H.	10/14/81
Walworth Aloyco	Linden, N.J.	10/21/81
Bailey Controls	Williamsport, P.A.	11/04/81
Mine Safety	Pittsburgh, P.A.	11/11/81
Kerotest	Pittsburgh, P.A.	11/18/81
Babcock & Wilcox	Beaver Falls, P.A.	11/24/81
Buffalo Forge	Buffalo, N.Y.	12/02/81
G.E.	Plainville, C.T.	12/11/81
Corner & Lada	Cranston, R.I.	12/16/81
Phoenix Steel	Phoenixville, P.A.	12/21/81
Industrial Mechanics	Chester, P.A.	01/13/82
Bethlehem Steel	Steelton, P.A.	01/20/82
Hobart Bros.	Troy, O.H.	01/26/82
Capitol Mfg.	Columbus, O.H.	01/28/82
Crane Chempump	Warrington, P.A.	02/03/82
Alloy Rod	Hanover, P.A.	02/10/82
Magnetics, Indust Controls	Sandy Lake, P.A.	02/10/82
Carrier Corp.	Syracuse, N.Y.	03/03/82
Dresser Ind.	Stratford, C.T.	03/19/82
G.E.	Salisbury, N.C.	03/24/82
Bergen Paterson	Laconia, N.H.	03/31/82
Honeywell Process Controls	Ft. Washington, P.A.	04/14/82
Gould Inc.	Finksburg, M.D.	04/21/82
Klocker Moeller Ind. Electr	Natick, M.A.	04/27/82
Simmonds Precision Prod.	Vergennes, V.T.	05/05/82
J.T. Ryerson	Philadelphia, P.A.	05/12/82
J.E. Lonergan	Philadelphia, P.A.	05/19/82
C.E. Avery	Newington, N.H.	05/26/82
ITT Grinnell, Dyna Flow	Lancaster, P.A.	06/02/82
BIW CableSystem	Boston, M.A.	06/09/82
Combustion Engineering	Windsor, C.T.	06/16/82
Morris Wheeler	Philadelphia, P.A.	06/23/82
Xomox Corp.	Cincinnati, I.L.	07/05/82
Pullman Construction	Chicagosport, I.L.	08/04/82
Crosby Valve	Wrentham, M.A.	08/11/82
Brown Boveri Elec.	Springhouse, P.A.	08/18/82
Pullman Power	Williamsport, P.A.	08/25/82
Vitro Laboratories	Silver Springs, M.D.	09/10/82
Kerite Co.	Seymour, C.T.	09/15/82
Peabody & Wind	Philadelphia, P.A.	09/22/82
Florida Steel	Tampa, F.L.	09/30/82
Florida Steel	Charlotte, N.C.	09/30/82
Thermo Electric	Saddle Brook, N.J.	10/27/82
Russelectric Inc.	Hingham, M.A.	11/03/82
Marotta Scientific Controls	Boonton, N.J.	11/10/82

AMETEK, U.S. Gauge	Sellersville, P.A.	11/22/82
Buffalo Forge	Buffalo, N.Y.	12/01/82
Reliance Electric	Stone Mountain, G.A.	12/10/82
Pittsburgh-Desmoine Corp.	DesMoines, I.O.	12/15/82
G.E. BPO	Philadelphia, P.A.	01/12/83
AMP Incorp	Harrisburg, P.A.	02/04/83
Flourocarbon Corp.	Change Bridge Rd, N.J.	02/09/83
Crane Chempump	Warrington, P.A.	02/24/83
J.C. White	Greenville, S.C.	03/11/83
Rockwell Int.	Raleigh, N.C.	03/16/83
Anchor Darling Ind.	Kulpsville, P.A.	03/23/83
ALFAB	Enterprise, A.L.	03/31/83
Comsip Customline	Linden, N.J.	04/06/83
Florida Stds Labs	W. Palm Beach, F.L.	04/13/83
Pyco Inc.	Penndel, P.A.	04/27/83
J.E. Lonergan	Philadelphia, P.A.	05/11/83
GHA Lock Joint	Wharton, N.J.	05/19/83
Richard Wilcox Mfg.	Aurora, I.L.	05/25/83
RECO	Richmond, V.A.	06/01/83
Allegheny Ludlum Steel	Leechburg, P.A.	06/10/83
Custom Alloy	Califon, N.J.	06/14/83
Alloy Stainless Prod.	Totowa, N.J.	06/16/83
Industrial Engineers	St. Louis, M.O.	07/20/83
National Valve & Mfg.	Johnstown, P.A.	7/27/83
National Valve & Mfg.	Pittsburgh, P.A.	07/29/83
American Environments Co	Medford, N.Y.	08/03/83
Pullman Power	Williamsport, P.A.	08/10/83
W.H. Constructors	Philadelphia, P.A.	08/31/83
Peabody & Wind	Philadelphia, P.A.	09/14/83
ASCO Elect. Prod	Parsippany, N.J.	9/21/83
G.E.	Salisbury, N.C.	09/28/83
NDT International	West Chester, P.A.	10/05/83
Paul Monroe Hydraulics	Orange, C.A.	10/12/83
Permutit Co	Paramus, N.J.	10/19/83
Plymouth Tube	Horsham, P.A.	01/17/84
Owens-Corning	Lenexa, K.S.	01/20/84
Owens-Corning	Columbus, O.H.	02/03/84
Anchor Darling Valve	Williamsport, P.A.	02/10/84
Phoenix Steel	Phoenixville, P.A.	02/21/84
J.T. Ryerson	Philadelphia, P.A.	02/23/84
Exide Power Corp	Richmond, K.Y.	02/29/84
Energy Steel & Supply	Rochester, M.I.	03/14/84
ALFAB	Enterprise, A.L.	03/21/84
C & D Power Systems	Plymouth Mtg., P.A.	03/30/84
Comsip Customline	Linden, N.J.	04/04/84
Gould Inc	Finksburg, M.D.	04/11/84
Exide Power Corp	Horsham, P.A.	04/17/84
G.E. Power Systems	Rio Piedras, Puerto Rico	4/24/84
Clow Corp	Westmont, I.L.	05/02/84
J.E. Lonergan	Philadelphia, P.A.	05/11/84
Weldring Co.	Bromall, P.A.	05/15/84
Yarway Corp.	BlueBell, P.A.	05/23/84
Georgia Power Corp.	Waynesboro, G.A.	05/31/84
Allegheny Ludlum Steel	Leechburg, P.A.	06/04/84



E.R. Joseph	Norristown, P.A.	06/12/84
Custom Alloy	Califon, N.J.	06/19/84
Alloy Stainless Prod.	Totowa, N.J.	06/21/84
Phoenix Steel	Phoenixville, P.A.	06/22/84
G.E. BPO	Philadelphia, P.A.	06/27/84
Bethlehem Steel	Sparrows Points, M.D.	07/06/84
GNB Batteries	Ft Smith, A.R.	07/11/84
Gould Pumps	City of Indust., C.A.	07/25/84
Harlo Corp	Grandville, Mich.	08/10/84
Okonite Co	Ramsey, N.J.	08/12/84
BIW Cable Systems,	Plymouth, Boston, M.A.	08/15/84
GNB Batteries	Langhorne, P.A.	08/22/84
Pullman Power	Williamsport, P.A.	09/05/84
W.H. Constructors	Philadelphia, P.A.	09/26/84
Atwood & Morrill Co	Salem, M.A.	10/03/84
Marley Cooling Tower	Olathe, K.S.	10/17/84
Waldinger Corp.	Des Moines, I.A.	10/24/84
Emerson Elec.	Tupelo, M.S.	10/30/84
G.E.	Salisbury, N.C.	11/10/84
Allied Nut & Bolt	King of Prussia, P.A.	11/13/84
Penn Valve & Fitting	Willowgrove, P.A.	11/20/84
ARCOS, Div of Hoskin	Mt. Carmel, P.A.	11/27/84
Interstate Steel	Philadelphia, P.A.	12/11/84
Sandvik Steel	Scranton, P.A.	12/18/84
AI-Tech Steel	Watervliet, N.Y.	01/03/85
Eaton Corp-Cutler Hammer	Cleveland, T.N.	01/08/85
Gage Labs Corp.	Huntington Valley, P.A.	01/17/85
FoxboroCorp	Foxboro, M.A.	01/23/85
Target Rock	E. Farmingdale, N.Y.	01/30/85
G.E., NEBO	San Hose, C.A.	02/05/85
AMP Corp	Harrisburg, P.A.	02/10/85
Teledyne McKay	York, P.A.	02/15/85
Anchor Darling Valve	Williamsport, P.A.	02/20/85
Meredith Corp	Hillside, N.J.	03/06/85
M.P. HuskyCorp	Greenville, S.C.	03/13/85
Dresser Indust.	Alexandria, L.A.	03/20/85
C & D Power Systems	Plymouth Mtg., P.A.	03/27/85
G.E., NEBO	Wayne, P.A.	04/12/85
UNITECH	Union, N.J.	05/01/85
Mercury Co.	Brockton, M.A.	05/08/85
NAMCO Controls	Newton, N.C.	05/21/85
Weldring Co.	Bromall, P.A.	05/29/85
Posi Seal Int.	N. Stovington, C.T.	06/05/85
Georgia Power Corp.	Waynesboro, G.A.	06/11/85
Allegheny Ludlum Steel	Leechburg, P.A.	06/17/85
General Physics	Columbia, M.D.	07/09/85
Phoenix Steel	Phoenixville, P.A.	08/13/85
DuBose Steel	Roseboro, N.C.	09/04/85
Cardinal Industrial Prod.	Las Vegas, N.V.	09/13/85
Energy, Inc.	Idaho Falls, I.D.	09/19/85
W.H. Constructors	Philadelphia, P.A.	09/25/85
AMETEK, U.S. Gauge	Sellersville, P.A.	10/09/85
Dowty RFL Indust	Boonton, N.J.	10/25/85
Waldinger Corp	Des Moines, I.A.	11/20/85

Taylor Forge	Paola, K.S.	12/04/85
Allied Nut & Bolt	King of Prussia, P.A.	12/17/85
Plymouth Tube	Horsham, P.A.	01/02/86
Limitorque Corp	Lynchburg, V.A.	01/15/86
Victoreen	Cleveland, O.H.	01/22/86
FoxboroCorp(Cocasset&Mansfi)	Foxboro, M.A.	01/29/86
Starret	Mt. Airy, N.C.	02/13/86
Phoenix Steel	Phoenixville, P.A.	02/26/86
G.E. BPO	Philadelphia, P.A.	03/12/86
Brooks Instrument	Hatfield, P.A.	03/19/86
Cardinal Indust Products	Las Vegas, N.V.	03/20/86
Schutte & Koerting	Bensalem, P.A.	03/24/86
Air Technology	Baltimore, M.D.	03/26/86
Interstate Steel	Philadelphia, P.A.	04/02/86
Morris Wheeler	Philadelphia, P.A.	04/09/86
Std Pipe and Supply	Balacynwyd, P.A.	04/10/86
Brown Boveri Elec.	W. Columbia, S.C.	04/18/86
GNB Batteries	Langhorne, P.A.	04/23/86
William Schmidt & Son	Chester, P.A.	04/30/86
Calvert Co	Richland, M.S.	05/07/86
West Jersey Mfg.	Williamstown, N.J.	05/15/86
Pyco Inc.	Penndel, P.A.	05/21/86
Bonney Forge	Allentown, P.A.	06/03/86
Bethlehen Steel	Steelton, P.A.	06/12/86
Frank Electric	York, P.A.	06/17/86
E.R. Joseph	Norristown, P.A.	07/01/86
Hammel Dahl Inc.	Warwick, R.I.	07/11/86
Pullman Construction	Chicago, I.L.	08/13/86
Taylor Forge	Paola, K.S.	08/20/86
BIW Cable System	Boston, M.A.	08/27/86
DuBose Steel	Roseboro, N.C.	09/10/86
Lenape Forge	West Chester, P.A.	09/23/86
Velan Valve	Montreal, Quebec	10/06/86
Rockwell Int	Sulphur Springs, T.X.	10/15/86
Cosa Instruments	Norwood, N.J.	11/23/86
Carolina Galvanizing	Aberdeen, N.C.	04/15/87
Carpenter Tech.	Reading, P.A.	05/28/87
Alloy Stainless Prod.	Totowa, N.J.	06/04/87
Custom Alloy	Califon, N.J.	06/08/87
Bethlehem Steel	Sparrows Pt., M.D.	06/09/87
Bethlehem Steel	Bethlehem, P.A.	06/11/87
Cann & Saul Steel	Royersford, P.A.	06/12/87
Hardware Specialty	Long Island City, N.Y.	06/15/87
BIMA Machine	Williamstown, N.J.	06/17/87
Bonney Forge	Allentown, P.A.	06/23/87
Cytemp Specialty Steel	Titusville, P.A.	06/24/87
Colonial Machine	Pleasantville, P.A.	06/26/87
CAMCO	Hamdom, N.J.	06/29/87
ARMCO	Louisville, K.Y.	08/13/87
Ladish Co.	Cythania, K.Y.	08/13/87
Lukens Steel	Coatesville, P.A.	09/04/87
Welded Tube	Chicago, I.L.	09/22/87
Northwestern Steel	Sterling, I.L.	09/23/87
Curtis Wright	Buffalo, N.Y.	09/28/87

Al Tech	Watervleit, N.Y.	09/29/87
Carpenter Tech	Bridgeville, C.T.	10/01/87
LTV Steel	Canton & Massilon, O.H.	10/06/87
Mills Moretz	Cleveland, O.H.	10/08/87
Gage Labs	Huntingdon Valley, P.A.	10/20/87
P.H. Tool	New Britain, P.A.	10/22/87
Robvon Backing Ring	Avenel, N.J.	11/17/87
J.T. Dirats	Westfield, M.A.	11/23/87
Electrolizing Inc.	Providence, R.I.	11/24/87
Alloy Stainless Prod.	Totawa, N.J.	11/30/87
AMPCO Metals	Milwaukee, W.I.	12/04/87
PSI	Folsom, N.J.	12/12/87
LASCO	Whitiby, Canada	12/17/87
James C. White & Co.	Greenville, S.C.	01/14/88
Meredith Corp.(PVN Steels)	Hillside, N.J.	2/9-10/88
CAMCO Fittings	Hamden, CT.	02/12/88
Ladish Co	Cudahay, W.I.	02/19/88
Ideal Forge	Southington, C.T.	02/11/88
Superior Tube	Norristown, P.A.	02/15/88
Quanex	Rosenburg, T.X.	02/29/88
Texas Bolt	Houston, T.X.	03/01/88
Coffer Corp	Houston, T.X.	03/02/88
Cameron Iron Works	Houston, T.X.	03/03/88
Inland Steel	E. Chicago, IN	03/07/88
Bethlehem Steel	Chesterton, I.N.	03/08/88
Teledyne Columbia-Summerhill	Scottdale, P.A.	03/15/88
Mercury Stainless Corp	Wheeling, I.L.	03/24/88
Laboratory Testing	Dublin, P.A.	03/21/88
NUCOR Steel	Darlington, S.C.	04/14/88
Auburn Steel	Auburn, N.Y.	04/26/88
Baltimore Steel Co.	Baltimore, M.D.	05/16/88
Carpenter Technology Corp	Reading, P.A.	05/26/88
Cytemp Specialty Steel	Titusville, P.A.	05/09-10/88
Flowline Corp	New Castle, P.A.	05/12/88
USX Corp	Lorain, O.H.	05/24/88
Bethlehem Steel	Bethlehem, P.A.	06/02/88
Bethlehem Steel	Sparrows Pt., M.D.	06/08/88
Bonney Forge	Allentown, P.A.	06/12/88
BIMA Machine	Williamstown, N.J.	06/17/88
Colonial Machine Co.	Pleasantville, P.A.	06/28-29/88
Gulfco	Beaumont, T.X.	07/13/88
Quanex	Rosenburg, T.X.	07/14/88
North Star Steel Corp	Monroe, M.I.	07/19/88
Lukens Steel	Coatesville, P.A.	07/28/88
Plymouth Tube	Horsham, P.A.	08/01/88
Ladish Co	Cynthania, K.Y.	08/17/88
Landish Co	Russelville, A.K.	08/15/88
Northwestern Steel & Wire	Sterling, I.L.	08/24/88
Welded Tube Of America	Chicago, I.L.	08/25/88
USX Corp	Farifield, A.L.	08/30/88
Mills Mortiz Steel Co	Cleveland, O.H.	09/13/88
LTV Steel	Canton, O.H.	09/14-15/88
Unistrut	Wayne,M.I.	09/26-27/88
Gage Laboratory	Huntingdon Valley, PA	10/19/88

P.H. Tool	New Britain, P.A.	10/21/88
Curtiss Wright	Buffalo, NY	11/4/88
Alloy Stainless Products	Totowa, N.J	11/15/88
Robvon Backing Ring	Avenel, N.J.	11/16/88
Carpenter Tech.	Ft. Washington, PA	11/18/88
James C. White Co.	Greenville, PA	12/1/88
Alcotec Wire	Traverse City, MI	12/14/88
LASCO	Whitby, Ontario, CD	12/21/88
Ladish Co.	Cudahay, WI	1/23/89
Ampco Metals	Milwaukee, WI	1/18/89
Slater Steel	Ft. Wayne, IN	1/19/89
Superior Tube	Norristown, PA	2/10/89
Camco Fittings	Hamden, CT	2/15/89
Ideal Forge	Southington, CT	2/14/89
Cameron Iron	Houston, TX	3/7/89
Quanex	Rosenburg, TX	3/6/89
Texas Bolt	Houston, TX	3/8/89
Coffer Corporation	Houston, TX	3/9/89
Laboratory Testing	Dublin, PA	3/16/89
Inland Steel	E. Chicago, IL	3/21/89
Mercury Stainless Corp.	Wheeling, IL	3/24/89
Teledyne-Columbia-Summerill	Scottdale, PA	3/23/89
Baltimore Steel	Baltimore, MD	4/11/89
Williams & Company	Pittsburgh, PA	4/19/89
LTV Steel	Chicago, IL	4/26/89
Auburn Steel	Auburn, NY	4/25/89
Bethlehem Steel	Burns Harbor	4/18/89
Lehigh Testing Laboratory	New Castle, DE	4/4/89
Colonial Machine	Pleasantville, PA	5/17/89
Cytemp Specialty Steel	Titusville, PA	5/15/89
Flowline Corporation	New Castle, PA	5/18/89
Mills Alloy Steel	Twinsburg, OH	5/24/89
USX Corp.	Lorain, OH	5/25/89
Joseph Dyson & Son	Painesville, OH	5/23/89
Carpenter Technology	Reading, PA	6/1/89
Mfg & Testing Service	Sadysburyville, PA	6/14/89
Bethlehem Steel	Sparrows Pt., MD	6/12/89
Bethlehem Steel	Bethlehem, PA	6/7/89
BIMA Machine	Williamstown, NJ	7/31/89
Bonney Forge	Huntingdon, PA	7/6 & 7/89
North Star Steel	Monroe, MI	7/24/89
Alaskan Copper	Seattle, WA	7/18 & 19/89
Bonney Forge	Allentown, PA	7/21 & 22/89
Lukens Steel	Coatesville, PA	7/27 & 28/89
Northwestern Steel & Wire Co.	Sterling, IL	8/29 & 30/89
Ladish Co.	Russelville, AK	8/23/89
US Steel Corp.	Fairfield, AL	8/31/89
Copperweld Steel Company	Warren, OH	8/16/89
Ladish Co.	Cynthania, KY	8/22/89
LTV Steel	Canton & Massilon, OH	9/19 & 20/89
Ansonia Copper & Brass	Ansonia, CT	9/25/89
Pre-Cal Services	Apollo, PA	9/27/89
Newman Flange & Fitting	Newman, CA	9/13/89
Telledyne-Allvac	Monroe, NC	10/26/89

B & G Mfg.	Hatfield, PA	10/24/89
Frasse-Basset	Morrisville, PA	10/18/89
Gage Laboratory	Huntingdon Valley, PA	10/16/89
J.T. Ryerson	Chicago, IL	10/31/89
J.W. Rex	Lansdale, PA	10/20/89
PH Tool	New Britain, PA	10/19/89
Carpenter Tech.	Ft. Washington, PA	11/20/89
Curtis Wright	Buffalo, NY	11/1/89
Robvon Backing Ring	Avenel, N.J.	11/16/89
Alloy Stainless Products	Totowa, N.J.	11/15/89
Raynor Inc.	Westminster, MA	12/12/89
James C. White Co.	Greenville, SC	1/11/90
Slater Steel	Ft. Wayne, IN	1/17/90
Chicago Tube & Iron	Chicago, IL	1/16/90
Ladish Co.	Cudahay, WI	1/30/90
Ampco Metals	Milwaukee, WI	1/31/90
Superior Tube	Norristown, PA	2/5/90
Bethlehem Steel	Sparrows Point, PA	2/6 & 7/90
Bethlehem Steel	Johnstown, PA	2/9/90
Ideal Forge	Southington, CT	2/14/90
Camco Fittings	Hamden, CT	2/15/90
Johnson Gage	Bloomfield, CT	2/20/90
Cameron Forge Co.	Houston, TX	2/27/90
Quanex	Rosenburg, TX	2/28/90
Coffer Corp.	Houston, TX	3/1/90
Texas Bolt	Houston, TX	3/2/90
Laboratory Testing	Dublin, PA	3/15 & 16/90
Teledyne Columbia-Sumerill	Scottdale, PA	3/22/90
Bayou Steel	La Place, LA	3/26/90
Capital Manufacturing	Crowley, LA	3/27/90
Florida Steel	Jackson, TN	3/29/90
PMI	Bethlehem, PA	4/9/90
Bethlehem Forge	Bethlehem, PA	4/12/90
U.S. Steel Corp.	Fairfield, AL	5/3/90
Gulf States Steel	Gadsden, AL	5/4/90
Cytemp Specialty Steels	Titusville & Bridgeville, PA	5/15/90
Flowline Corp.	New Castle, PA	5/16/90
Joseph Dyson & Son	Painesville, OH	5/22/90
Mills Alloy	Twinsburg, OH	5/23/90
USS/Kobe Steel Co.	Lorain, OH	5/24/90
Carpenter Tech.	Reading, PA	5/31/90
Manufacturing & Testing Services	Sadsburyville, PA	6/5/90
Bonney Forge Corp.	Mt. Union, PA	6/14 & 15/90
Bethlehem Steel	Bethlehem, PA	6/19/90
Carpenter Tech.	Atlanta, GA	7/6/90
Alaskan Copper	Seattle, WA	7/17 & 18/90
North Star Steel	Monroe, MI	7/26/90
BIMA Machine	Williamstown, NJ	7/30/90
Lukens Steel Co.	Coatesville, PA	8/1 & 2/90
Sandvik Steel	Scranton, PA	8/15/90
Taylor Forge Stainless	North Branch, NJ	8/24/90
Northwestern Steel & Wire Co.	Sterling, IL	8/27/90
Ladish Co.	Russleville, AK	8/28 & 29/90
Ladish Co.	Cynthania, KY	8/30/90

Republic Engineered Steels	Canton, OH	9/10 & 11/90
Republic (Special Metals Div)	Canton, OH	9/13/90
Colonial Machine	Pleasantville, PA	9/14/90
AITech Specialty Steel	Watervliet, NY	9/17 & 18/90
AITech Specialty Steel	Dunkirk, NY	9/17 & 18/90
Alloy Stainless Products	Totowa, NJ	9/26/90
RAM Forge & Steel, Inc.	Navasota, TX	10/1/90
ABB Combustion Engineering Sys.	Chattanooga, TN	10/2 & 3/90
Park Drop Forge	Cleveland, OH	10/3/90
Gage Laboratory	Huntington Valley, PA	10/9/90
P.H. Tool	New Britain, PA	10/11/90
Western Forge & Flange Co.	Santa Clara, CA	10/15/90
B & G Manufacturing	Hatfield, PA	10/25/90
J.W. Rex	Lansdale, PA	10/25/90
Teledyne Allvac	Monroe, NC	10/30/90
DuBose Steel	Roseboro, NC	10/31-11/2/90
Curtiss Wright	Buffalo, NY	11/8/90
Carpenter Tech.	Ft. Washington, PA	11/19/90
Robvon Backing Ring	Exeter, PA	11/26/90
Taylor Forge Engin'd Systems	Paola, KS	12/3 - 5/90
Eastern Stainless Corp.	Baltimore, MD	12/6/90
G.O. Carlson, Inc.	Thorndale, PA	12/7/90
Plymouth Tube Co.	Salisbury, MD	1/3/91
James C. White Co.	Greenville, SC	1/8 & 9/91
Wrought Washer	Mikwaukee, WI	1/14/91
AMPCO Metals	Milwaukee, WI	1/15/91
Chicago Tube & Iron	Chicago, IL	1/17/91
SPS Technologies	Jenkintown, PA	1/21/91
Slater Steel	Ft. Wayne, IN	1/22/91
Bock Industries	Elkhart, IN	1/23/91
Penn Valve & Fitting	Willow Grove, PA	1/24/91
Louis Canuso	Deptford, NJ	1/25/91
Superior Tube	Norristown, PA	2/4/91
Bethlehem Steel	Sparrow's Point, MD	2/6/91
CAMCO Fitting	Hamden, CT	2/13/91
Ideal Forging Corporation	Southington, CT	2/14/91
Lab Testing, Inc.	Dublin, PA	2/18 & 3/7/91
Custom Alloy	High Bridge, NJ	2/19/91
Cameron Forge	Houston, TX	2/25/91
Quanex	Rosenburg, TX	2/26/91
Coffer Corp.	Houston, TX	2/27/91
Texas Bolt	Houston, TX	2/28/91
Herron Testing	Cleveland, OH	3/4/91
Ladish	Cynthiana, KY	3/5/91
Joseph Dyson & Son	Painesville, OH	3/14/91
Flowline	New Castle, PA	3/15/91
Republic Engineered Steels	Canton & Massillon, OH	3/18-19/90
Republic Engineered Steels	Canton, OH	3/20/91
Republic Engineered Steels	Chicago, IL	3/21/91
Teledyne Columbia-Summerill	Scottdale, PA	3/22/91
BethForge	Bethlehem, PA	4/15/91
Ideal Forge	Southington, CT	4/24/91
Mills Alloy	Twinsburg, OH	5/15/91
USS/Kobe	Lorain, OH	5/16/91

Carpenter Technology	Reading, PA	5/30/91
Colonial Machine	Pleasantville, PA	5/31/91
Bethlehem Steel	Bethlehem, PA	6/6/91
Bonney Forge Internal Audit	Mt. Union, PA	6/17 & 18/91
Bonney Forge Internal Audit	Allentown, PA	6/19 & 20/91
Allegheny-Ludlum	Leechburg & Brackenridge, PA	6/26 & 27/91
Northwestern Steel	Sterling, IL	6/28/91
Carpenter Technology	Atlanta, GA	7/2/91
Alaskan Copper	Seattle, WA	7/15/91
Western Forge & Flange	Santa Clara, CA	7/19/91
Inland Steel	E. Chicago, IN	7/25/91
Lukens Steel	Coatesville, PA	8/6 & 15/91
North Star Steel	Monroe, MI	8/8/91
PMI	Bethlehem, PA	8/12/91
Chaparral Steel	Midlothian, TX	8/20/91
Copperweld Steel	Warren, OH	8/23/91
Ladish Co.	Cynthiana, KY	8/26/91
Ladish Co.	Russelville, AK	8/27 & 28/91
AI Tech Specialty Steel	Watervliet, NY	9/9/91
AI Tech Specialty Steel	Dunkirk, NY	9/10/91
Republic Engineered Steels	Canton, OH	9/18 & 19/91
Republic Engineered Steels-Spec	Canton, OH	9/20/91
Radnor Alloys Internal Audit	Harrison, NJ	9/30 - 10/1/91
Alloy Stainless Products	Totowa, NJ	10/2/91
Gage Laboratory	Huntington Valley, PA	10/8/91
Manufacturing and Technical Serv.	Sadsburyville, PA	10/9/91
P.H. Tool	New Britain, PA	10/10/91
J.W. Rex	Lansdale, PA	10/18/91
Baltimore Specialty Steel	Baltimore, MD	10/21/91
B & G Manufacturing	Hatfield, PA	10/23/91
Crucible Specialty Metals	Syracuse, NY	10/23/91
Plymouth Tube	Salisbury, MD	10/29/91
Wolverine Tube	Decatur, AL	11/6/91
Combustion Engineering	Chattanooga, TN	11/7/91
Lindquist Machine	Green Bay, WI	11/13/91
Johnson Brass & Machine Foundry	Saukville, WI	11/14/91
Dudek & Bock	Chicago, IL	11/15/91
Amalga Composites	West Allis, WI	11/18/91
Alu-Bra Foundry	Bensenville, IL	11/19/91
Carpenter Technology	Ft. Washington, PA	11/25/91
Robvon Backing Ring	Exeter, PA	11/26/91
Energy Steel & Supply	Auburn Hills, MI	12/9/91
Curtiss Wright	Buffalo, NY	12/11/91
G.O. Carlson	Thorndale, PA	01/07/92
James C. White Co.	Greenville, SC	01/09/92
AMPCO Metals	Milwaukee, WI	01/16/92
Bethlehem Steel	Sparrows Point, MD	01/21/92
Superior Tube	Norristown, PA	01/24/92
Ladish Co.	Cudahay, WI	01/24/92
ANVAL Nyby Powder AB	Torshalla, Sweden	02/10 - 12/92
Ideal Forge	Southington, CT	02/19/92
Coffer Corp	Houston TX	02/24/92
Quanex	Rosenberg, TX	02/25/92
Cameron Forge	Houston, TX	02/26/92

Texas Bolt	Houston, TX	02/27/92
Penn Valve & Fitting Co.	Willow Grove, PA	3/18/92
Roanoke Electric Steel	Roanoke, VA	03/23/92
Flowline	New Castle, PA	03/24/92
Colonial Machine	Pleasantville, PA	03/25/92
Mills Alloy	Cleveland, OH	03/26/92
Teledyne Columbia	Scottdale, PA	04/02/92
ARCOS Alloys	Mount Carmel, PA	04/10/92
Taylor Forge	North Branch, NJ	04/13 & 14/92
CarTech	West Caldwell, NJ	04/15/92
MTS	Sadsburyville, PA	05/08/92
Alloy Rod	Hanover, PA	05/11/92
Keller & Long	Watertown, CT	05/14/92
Carpenter Technology	Reading, PA	05/18 & 19/92
Crucible Materials Corp.	Fairfield, NJ	05/20/92
Amerace Indust. Prod.	Livingston, NJ	05/21 & 22/92
Ronson Mfg. Inc.	Kirtland, OH	05/26/92
Allegheny Ludlum Steel	Leechburg and Brackenridge, PA	05/28 & 29/92
Bonney Forge	Mount Union, PA	06/01 & 02/92
Bonney Internal	Allentown, PA	06/03 & 04/92
Bonney Forge	Allentown, PA	06/03 & 04/92
Flexitalic	Pennsauken, NJ	06/09/92
Northwestern Steel & Wire	Sterling, IL	06/22/92
Bethlehem Steel	Burns Harbor, PA	06/23/92
Inland Steel	E. Chicago, IN	06/24/92
Mgmt Audit Lab Testing	Dublin, PA	07/08/92
Radnor Alloys	Harrison, NJ	07/10/92
Alaskan Copper	Seattle WA	07/27/92
Western Forge	Santa Clara, CA	07/29/92
Taylor Forge Eng'd Sys. I/A	Paola, KS	08/05 & 06/92
PMI	Bethlehem, PA	08/12/92
North Star Steel	Monroe, MI	08/12/92
Lukens Steel	Coatesville, PA	08/13 & 14/92
Ladish Co.	Cynthiana, KY	08/18/92
Ladish Co.	Russelville, AR	08/19 & 20/92
AI Tech Specialty Steel	Watervliet, NY	09/01/92
AI Tech	Dunkirk, NY	09/16/92
Radnor Alloys I/A	Harrison, NJ	09/27 & 28/92
Erie Forge & Steel Inc.	Erie, PA	09/17 & 18/92
Gage Labs	Huntington Valley, PA	10/01/92
Slater Steel	Ft. Wayne, IN	10/05/92
PH Tool	New Britain, PA	10/06/92
Alloy Stainless Products	Totowa, NJ	10/07/92
Republic Steel	Canton & Massilon, OH	10/22/92
Republic Specialty Metals	Canton, OH	10/23/92
JW Rex	Lansdale, PA	10/30/92
Crucible Spec. Metals	Syracuse, NY	11/02/92
Teledyne McKay	York, PA	11/04/92
Ameron Protective Coating	Brea, CA	11/06/92
Plymouth Tube Co.	Salisbury, MD	11/13/92
Wolverine Tube Inc.	Decatur, AL	11/16/92
Eastern Stainless Corp.	Baltimore, MD	11/17/92
Trent Tube	Carrolton, GA	11/17/92



Robvon Backing Ring Corp	Exeter, PA	11/20/92
Carpenter Technology	Fort Washington, PA	11/23/92
Internal Audit HUB Inc.	Tucker, GA	12/03 & 04/92
Curtis Wright	Buffalo, NY	12/07/92
Custom Alloy	High Bridge, NJ	12/11 & 17/92
Lukens Steel	Coatesville, PA	12/23/92
Cooperheat	Picataway, NJ	12/21 & 22/92
Lab Testing	Dublin, PA	12/29/92
Bethlehem Steel	Sparrows Point, MD	1/18/93
WFI	Houston, TX	1/21/93
Ladish Co.	Cudahay, WI	1/22/93
Rex Forge	Plantsville, CT	1/28/93
Crucible	Kenilworth, NJ	2/1/93
James C. White Internal	Greenville, SC	2/2/93
Ideal Forge	Southington, CT	2/8 & 9/93
Camco Fittings	Hamden, CT	2/10 & 11/93
Quanex	Houston, TX	2/12/93
Coffer Corporation	Houston, TX	2/15/93
Sidbec Dosco	Scranton, PA	2/17 & 18/93
Smith & Nephews Richards	Memphis, TN	3/11 & 12/93
Penn Valve & Fitting	Willow Grove, PA	3/16/94
Sandvik Steel	Scranton, PA	3/18/93
Colonial Machine	Pleasantville, PA	3/29/93
Flowline	New Castle, PA	3/30/93
Mills Alloy	Cleveland, OH	3/31/93
Teledyne	Scottsdale, PA	4/1/93
Custom Alloy	High Bridge, NJ	4/14/93
Carpenter Technology	West Caldwell, NJ	4/19/93
USS Kobe Steel	Lorain, OH	4/22/93
L-Tec	Ashtabula, OH	4/23/93
MTS	Sadsburyville, PA	5/10/93
Alloy Rod	Hanover, PA	5/11/93
Carpenter Technology	Reading, PA	5/17 & 18/93
RMI Testing	Kirtland, OH	5/27/93
Allegheny Ludlum Steel	Leechburg and Brackenridge, PA	5/28/93
Bonney Forge	Mount Union, PA	6/8/93
Bonney Forge	Huntington, PA	6/9/93
Bonney Forge	Allentown, PA	6/10/93
Jessop Steel	Frazer, PA	6/14/93
Northwestern Steel & Wire	Sterline, IL	6/23/93
Bethlehem Steel	Chesterton, IN	6/24 & 25/93
Lab Testing	Dublin, PA	6/30/93
Carboline	St. Louis, MO	7/1 & 2/93
Tube Forgings	Portland, OR	7/26/93
Alaskan Copper Works	Seattle, WA	7/27/93
Western Forge & Flange	Santa Clara, CA	7/28/93
Lukens Steel	Coatesville, PA	8/13/93
Ladish Co.	Cynthiana, KY	8/17/93
Ladish Co.	Russelville, AR	8/18 & 19/93
North Star Steel	Monroe, MI	8/20/93
TFES Internal Audit	Paola, KS	8/30 & 31/93
AI Tech Specialty Steel	Dunkirk, NY	9/1/93
AI Tech Specialty Steel	Watervliet, NY	9/2/93

Alloy Stainless Products	Totowa, NJ	10/4 & 5/93
Taylor Forge	North Branch, NJ	10/7/93
P.H. Tool	New Berlin, PA	10/12/93
J.W. Rex	Lansdale, PA	10/13/93
Republic	Canton & Massilon, OH	11/17 & 18/93
Robvon Backing Ring	Exeter, PA	11/22/93
Crucible Specialty Metals	Syracuse, NY	11/29/93
Curtiss-Wright	Buffalo, NY	11/30/93
Wolverine Tube	Decatur, AL	12/15/93
Capital Pipe Manufacturing	Crowley, LA	12/16 & 17/93
Cooperheat	Cataway, NJ	12/20 & 21/93
Custom Alloy	High Bridge, NJ	12/22/93
Eastern Stainless	Baltimore, MD	1/5/94
Behlehem Steel	Sparrows Point, MD	1/6/94
J.C. White	Greenville, SC	1/14/94
Slater Steel	Ft. Wayne, IN	1/17/94
Ladish Co.	Cudahay, WI	1/18/94
Ideal Forge	Southington, CT	2/8/94
Texas Bolt	Houston, TX	2/14/94
Coffer Corporation	Houston, TX	2/15/94
Quanex	Rosenberg, TX	2/16 & 17/94
Laboratory Testing, Inc.	Dublin, PA	2/24 & 25/94
U.S.S. Pittsburgh	Pittsburgh, PA	3/4/94
Penn Valve & Fitting	Willow Grove, PA	3/7/94
Colonial Machine	Pleasantville, PA	3/30/94
Flowline	New Castle, PA	3/31/94
Mills Alloy	Cleveland, OH	3/29/94
Sanvik	Scranton, PA	4/12/94
MTS	Sadsburyville, PA	5/10/93
Carpenter Technology	Reading, PA	5/19 & 20/94
Bonney Forge	Mount Union, PA	6/1 & 2/94
Bonney Forge	Allentown, PA	6/3/94
Northwestern Steel & Wire	Sterline, IL	6/22/94
Bethlehem Steel	Chesterton, IN	6/23 & 24/94
Lab Testing	Dublin, PA	6/30/94
Tube Forgings	Portland, OR	7/12/94
Alaskan Copper Works	Seattle, WA	7/11/94
Western Forge & Flange	Santa Clara, CA	7/14/94
Lukens Steel	Coatesville, PA	7/28/94
Ladish Co.	Cynthiana, KY	8/17/94
Ladish Co.	Russelville, AR	8/18 & 19/94
North Star Steel	Monroe, MI	8/15/94
TFES Internal Audit	Paola, KS	8/2 & 3/94
AI Tech Specialty Steel	Dunkirk, NY	8/31/94
AI Tech Specialty Steel	Watervliet, NY	9/1/94
Thermo Electric	Saddlebrook, NJ	9/26-28/94
P.H. Tool	New Berlin, PA	10/10/94
J.W. Rex	Lansdale, PA	10/13/94
Republic	Canton & Massilon, OH	11/29 & 30/94
Curtiss-Wright	Buffalo, NY	12/1/94
Wolverine Tube	Decatur, AL	12/14/94
Cooperheat	Cataway, NJ	12/20 & 21/94
Custom Alloy	High Bridge, NJ	12/22/94
Techalloy	Baltimore MD	1/3/95

Eastern Stainless	Baltimore, MD	2/7/95
Behlehem Steel	Sparrows Point, MD	1/4/95
J.C. White	Greenville, SC	2/27/95
Slater Steel	Ft. Wayne, IN	1/9/95
Ladish Co.	Cudahay, WI	1/10/95
Fisher Controls	Marchalltown, IA	1/11/95
Pittsburgh Flatroll	Pittsburg, PA	1/20/95
Girad	Sacramento, CA	1/27/95
Texas Bolt	Houston, TX	2/23/95
Coffer Corporation	Houston, TX	2/21/95
Quanex	Rosenberg, TX	2/22/95
Laboratory Testing, Inc.	Dublin, PA	3/2/95
U.S.S. Pittsburgh	Pittsburgh, PA	1/13/95
Penn Valve & Fitting	Willow Grove, PA	3/17/95
Colonial Machine	Pleasantville, PA	3/21/95
Flowline	New Castle, PA	3/22/95
Mills Alloy	Cleveland, OH	5/4/95
MTS	Sadsburyville, PA	5/10/95
USS/KOBE	Lorain, OH	5/1/95
Ronson	Cleveland OH	5/3/95
Sidbec Dosco	Montreal, CD	5/9/95
Carpenter Technology	Reading, PA	5/16/95
Superior Tube	Collegeville, PA	5/26/95
Bonney Forge	Mount Union, PA	5/31/95
Bonney Forge	Allentown, PA	6/2/95
Northwestern Steel & Wire	Sterline, IL	6/12/95
Bethlehem Steel	Chesterton, IN	6/13/95
Lab Testing	Dublin, PA	7/5/95
Tube Forgings	Portland, OR	7/11/95
Alaskan Copper Works	Seattle, WA	7/10/95
Western Forge & Flange	Santa Clara, CA	6/6/95
Lukens Steel	Coatesville, PA	7/27/95
Aerofin	Lynchburg, VA	8/16/95
Ladish Co.	Cynthiana, KY	8/23/95
Ladish Co.	Russellville, AR	8/24/95
North Star Steel	Monroe, MI	8/15/94
TFES Internal Audit	Paola, KS	8/29/95
Alloy Rod	Hanover, PA	8/31/95
North Star	Monroe, MI	9/12/95
AI Tech Specialty Steel	Dunkirk, NY	9/21/95
AI Tech Specialty Steel	Watervliet, NY	9/22/95
North Star	Minnapolis, MN	9/28/95
J.W. Rex	Lansdale, PA	10/13/95
Gage Labs	Huntingdon Valley, PA	10/20/95
Auburn Steel	Auburn, NY	10/23/95
Curtiss-Wright	Buffalo, NY	11/30/95
Wolverine Tube	Decatur, AL	12/8/95
Custom Alloy	High Bridge, NJ	12/21/95
Behlehem Steel	Sparrows Point, MD	1/3/96
Ladish Co.	Cudahay, WI	1/10/96
Laboratory Testing, Inc.	Dublin, PA	2/7 & 9/96
Slater Steel	Ft. Wayne, IN	1/9/95
MMA Labs	Philadelphia, PA	1/19/96
Sandvik	Scanton, PA	3/18 & 19/96

J.C. White	Greenville, SC	2/27/96
U.S.S. Pittsburgh	Pittsburgh, PA	2/8/96
Capital Mfg.	Crowley, LA	3/26 & 27/96
Aerofin	Lynchburg, VA	5/28-31/96
Bonney Forge	Mount Union, PA	6/5&6/96
Bonney Forge	Allentown, PA	6/7/96
ENSCO	Aberdeen, Scotland	610-20/96
Lab Testing	Dublin, PA	6/28/96
ENSCO	Dallas TX & Brusard, LA	7/8-11/96
J.W. Rex	Lansdale, PA	7/12/96
Tube Forgings	Portland, OR	7/29/96
Alaskan Copper Works	Seattle, WA	7/30/96
Western Forge & Flange	Santa Clara, CA	7/31/96
MMA Labs	Los Angles, CA	8/1/96
Lukens Steel	Coatesville, PA	7/24/96
Ladish Co.	Cynthiana, KY	8/22/96
Ladish Co.	Russelville, AR	8/20-21/96
AI Tech Specialty Steel	Dunkirk, NY	8/27/96
AI Tech Specialty Steel	Watervliet, NY	8/28/96
J.W. Rex	Lansdale, PA	9/27/96
Gage Labs	Huntingdon Valley, PA	9/26/96
PH Tool	New Britan, PA	9/25/96
ENSCO	Dallas, TX	10/7-8/96
TFES Internal Audit	Paola, KS	11/6-7/96
ENSCO	Aberdeen & Beverwijk	11/11-15/96
IXP	Buffalo, NY	12/2/96
Target Rock	Farmingdale, NY	12/5-6/96
Carpenter Tech	Reading, PA	12/12/96
USS/KOBE	Lorain, OH	12/17-18/96
USS	Pitsburgh, PA	12/19/96
Custom Alloy	High Bridge, NJ	12/20/96
Bethlehem Steel	Sparrows Pt, MD	1/6/97
USS	Fairfield, AL	1/16/97
Republic Eng. Steel	Canton & Massilon, OH	1/20&22/97
Ideal forge	Southington, CT	2/97
Lab Testing	Dublin, PA	2/4/97
Coffer Flange	Houston, TX	2/26/97
Quanex Tube States	Rosenburg, TX	2/27/97
Colonial Machine	Pleasant Ville PA	3/25/97
Flowline	New Castle, PA	3/26/97
Allegheny Ludlum	Coatsville, PA	5/22/97
Allegheny Ludlum	Washington, PA	5/23/97
Tube Forgings	Portland, OR	7/10/97
Alaskan Copper Works	Seattle, WA	7/9/97
Western Forge & Flange	Santa Clara, CA	7/11/97
Lukens Steel	Coatesville, PA	7/23/97
AI Tech Specialty Steel	Dunkirk, NY	9/3/97
AI Tech Specialty Steel	Watervliet, NY	9/4/97
J.W. Rex	Lansdale, PA	10/7/97
Gage Labs	Huntingdon Valley, PA	10/1/97
PH Tool	New Britan, PA	10/14/97
Trentec	Cincinnati, OH	11/7/97
Target Rock	Farmingdale, NY	11/11-12/97
Chempump	Warrington, PA	11/17 & 21/97

IXP	Buffalo, NY	11/18/97
USS/KOBE	Lorain, OH	11/19-20/97
USS	Pittsburgh, PA	11/24/97
Automatic Valve	Novi, MI	11/25-26/97
Wolverine	Decatur, AL	12/5/97
Tinius Olsen	Willow Grove, PA	12/16/97
Custom Alloy	High Bridge, NJ	12/19/97
Bethlehem Steel	Sparrows Pt, MD	1/12/98
Roanoke Electric Steel	Roanoke, Va	1/5-8/98
Ideal Forge	Southington, CT	1/22/98
Lab Testing	Dublin, PA	1/20/98
MMA Labs	Newtown, PA	2/2/98
Techalloy	Baltimore, MD	2/4/98
Qual Tech	Exton, PA	2/13/98
Cannon Sline	Philadelphia, PA	2/19-20/98
Penn Valve	Willow Grove, PA	2/18/98
Coffer Flange	Houston, TX	2/25/98
Vision Metals	Rosenburg, TX	2/24/98
Carpenter Tech	Reading, PA	2/27/98
Accutech	Las Vegas, NV	3/2-3/98
Colonial Machine	Pleasantville PA	3/16/98
Flowline	New Castle, PA	3/17/98
Sandmeyer	Philadelphia, PA	4/9/98
Bonney Forge	Allentown & Mt Union, PA	4/14-16/98
Target Rock	Farmingdale, PA	4/20-24/98
Allegheny Ludlum	Coatesville, PA	5/8/98
B&G Mfg	Hatfield, PA	5/26-27/98
Western Forge & Flange	Santa Clara, CA	6/17/98
Tube Forgings	Portland, OR	6/22/98
Alaskan Copper Works	Seattle, WA	6/23/98
Beth -Lukens	Coatesville, PA	7/23-24/98
Taylor Forge	Paola, KS	7/27-29/98
Wyman Gordon	Livingston, Scotland	8/6-7/98
Universal Stainless	Bridgeport PA	8/17/98
Slater Steel	Ft Wayne, IN	8/18/98
Atlas Steel	Wellington, CD	8/19/98
AI Tech Specialty Steel	Dunkirk, NY	9/2/98
AI Tech Specialty Steel	Watervliet, NY	9/2/98
ESAB	Hanover PA	9/15/98
Gage Labs	Huntingdon Valley, PA	9/17/98
PH Tool	New Brittan, PA	9/16/98
Republic Eng. Steel	Canton & Massilon, OH	10/13-16/98
Republic Eng. Steel	Chicago& Gary IL	10/21-22/98
Chempump	Warrington, PA	11/10-11/98
Wyle Labs	Huntsville, AL	11/12-13/98
USS/KOBE	Lorain, OH	11/18/98
USS	Pittsburgh, PA	11/17/98
IXP	Buffalo, NY	11/20/98
Wolverine	Decatur, AL	12/8/98
Tinius Olsen	Willow Grove, PA	12/22/98
Custom Alloy	High Bridge, NJ	12/17/98
USS	Fairfield, AL	12/9/98
Ideal Forge	Southington, CT	1/21/99
Lab Testing	Dublin, PA	1/18&19/99

MMA Labs	Newtown, PA	2/1/99
Cannon Sline	Philadelphia, PA	2/3&4/99
Accutech	Las Vegas, NV	2/10&11/99
JC White	Greenville, SC	2/16/99
Penn Valve	Willow Grove, PA	2/18/99
Sidbec Dosco	Quebec, CN	2/25&16/99
Coffer Flange	Houston, TX	3/3/99
Vision Metals	Rosenburg, TX	3/4/99
Carpenter Tech	Reading, PA	2/219/99
Sandvik	Scranton, PA	3/9/99
Colonial Machine	Pleasantville PA	3/31/99
Flowline	New Castle, PA	3/30/99
ESAB	Ashtabula, OH	4/1/99
Allegheny Ludlum	Coatesville, PA	4/15/99
Best Weld	Norristown, PA	4/14/99
Bonney Forge	Allentown & Mt Union, PA	4/20/99
Christian Braun	Duseldorf, GR	5/3/99
Superior Tube	Norristown, PA	5/10-14/99
Cannon Sline Millstone	NEU, Ct	6/23&24/99
Western Forge & Flange	Santa Clara, CA	6/18/99
Tube Forgings	Portland, OR	6/17/99
Alaskan Copper Works	Seattle, WA	6/16/99
Beth -Lukens	Coatesville, PA	7/23/99
Universal Stainless	Bridgeport PA	8/114/99
Slater Steel	Ft Wayne, IN	8/112/99
ESAB	Hanover PA	7/16/99
Gage Labs	Huntingdon Valley, PA	9/8/99
PH Tool	New Brittan, PA	9/2/99
Taylor Forge	Paola, KS	10/6-8/99
Republic Eng. Steel	Canton & Massilon, OH	10/19-20/99
Chempump	Warrington, PA	11/10-11/99
IXP	Buffalo, NY	11/30/99
Atlas Steel	Wellington, CD	12/1/99
Lorain Tube	Lorain, OH	12/2/99
USS	Pittsburgh, PA	12/3/99
Wolverine	Decatur, AL	12/9/99
Custom Alloy	High Bridge, NJ	12/21/99
USS	Fairfield, AL	12/9/99
Ideal Forge	Southington, CT	2/1/00
Lab Testing	Dublin, PA	1/13&14/00
MMA Labs	Newtown, PA	1/24/00
Accutech	Las Vegas, NV	2/7-8/00
JC White	Greenville, SC	3/31/00
Penn Valve	Willow Grove, PA	1/19/00
Coffer Flange	Houston, TX	2/25/00
Vision Metals	Rosenburg, TX	2/26/00
Colonial Machine	Pleasantville PA	3/27/00
Flowline	New Castle, PA	3/28/00
Bonney Forge	Allentown & Mt Union, PA	4/27-28/00
Christian Braun	Duseldorf, GR	5/3/99
Superior Tube	Norristown, PA	5/8-12/00
Western Forge & Flange	Santa Clara, CA	6/7/00
Tube Forgings	Portland, OR	6/5/00
Alaskan Copper Works	Seattle, WA	6/6/00

Beth -Lukens	Coatesville, PA	7/18/00
Universal Stainless	Bridgeport PA	8/14/00
Slater Steel	Ft Wayne, IN	8/15/00
Gage Labs	Huntingdon Valley, PA	9/7/00
PH Tool	New Britan, PA	9/28/00
Taylor Forge	Paola, KS	10/9-12/00
Chempump	Warrington, PA	11/20-21/00
Lorain Tube	Lorain, OH	11/30/00
USS	Pittsburgh, PA	11/29/00
Wolverine	Decatur, AL	12/6/00
Custom Alloy	High Bridge, NJ	12/8/00
USS	Fairfield, AL	12/7/00
Lab Testing	Dublin, PA	1/3&4/01
Keeler & Long	Watertown, CT	1/9/01
Ideal Forge	Southington, CT	1/12/01
Atlas Steel	Wellington CN	1/17/01
MMA Labs	Newtown, PA	1/25/01
Penn Valve	Willow Grove, PA	1/23/01
Dynamic Metals	Scottdale, PA	1/30 & 31/01
Trent Tube	East Troy, WI	2/1 & 2/01
Sidbec Dosco	Longueil, CN	2/7 & 8/01
Coffer Flange	Houston, TX	2/19/01
Vision Metals	Rosenburg, TX	2/20/01
HiLine Eng	Richland, WA	3/1 & 2/01
JC White	Greenville, SC	3/13/01
Colonial Machine	Pleasantville PA	3/27/01
Flowline	New Castle, PA	3/28/01
Bonney Forge	Allentown & Mt Union, PA	4/17-19/01
Carpenter	Reading, PA	5/8/01
Western Forge & Flange	Santa Clara, CA	6/22/01
Tube Forgings	Portland, OR	6/25/01
Alaskan Copper Works	Seattle, WA	6/26/01
Target Rock	Farmingdale, NY	7/9-13/01
Beth -Lukens	Coatesville, PA	7/19/01
Universal Stainless	Bridgeport PA	8/7/01
Slater Steel	Ft Wayne, IN	8/9/01
PH Tool	New Brittan, PA	9/7/01
Taylor Forge	Paola, KS	10/9-12/01
Froni Metals	Milan, IT	10/8-10/01
Chempump	Warrington, PA	11/14&15/01
Lorain Tube	Lorain, OH	11/20/01
USS	Pittsburgh, PA	11/19/01
Wolverine	Decatur, AL	12/11/01
Custom Alloy	High Bridge, NJ	12/18/01
USS	Fairfield, AL	12/12/01
Lab Testing	Hatfield, PA	1/10-11/02
MMA Labs	Newtown, PA	1/17/02
Penn Valve	Willow Grove, PA	1/18/02
Sidbec Dosco	Longueil, CN	2/12-13/02
Coffer Flange	Houston, TX	2/20/02
WFI	Houston, TX	2/20/02
HiLine Eng	Richland, WA	3/ 4-6/02
JC White	Greenville, SC	3/29/02
Bonney Forge	Mt Union, PA	4/3-4/02

RESCO	Roanoke, VA	4/27/02
Klockner	Gordonsville VA	4/23/02
Accusil, Inc	Merriville, IN	4/7/02
Carpenter	Reading, PA	5/8/02
ESAB	Ashtabula, OH	5/1/02
Western Forge & Flange	Santa Clara, CA	6/19/02
Tube Forgings	Portland, OR	6/17/02
Alaskan Copper Works	Seattle, WA	6/20/02
Pliant Packaging	Chippawa Falls, WI	6/26/02
Beth -Lukens	Coatesville, PA	7/30/02
Slater Steel	Ft Wayne, IN	8/9/01
TFES	Paola, KS	8/6-8/02
PH Tool	New Brittan, PA	9/5/02
Chempump	Warrington, PA	11/14&15/02
Lorain Tube	Lorain, OH	11/19/02
USS	Pittsburgh, PA	11/18/02
WSI	Atlanta, GA	12/2/02
Wolverine	Decatur, AL	12/4/02
Custom Alloy	High Bridge, NJ	12/18/02
USS	Fairfield, AL	12/3/02
Integra LS	Plainsboro, NJ	12/17 & 20/02
Lab Testing	Hatfield, PA	1/6-7/03
MMA Labs	Newtown, PA	1/16/03
Integra LS	Plainsboro, NJ	1/9-10/03
Penn Valve	Willow Grove, PA	1/14/03
Michigan Seamless	S. Lyon, MI	122-23/03
Formweld	Marathon, FL	129-31/03
Sidbec Dosco	Longiul, CN	2/5-6/03
Coffer Flange	Houston, TX	2/112/03
US Bolt	Houston, TX	2/14/03
Energy Steel	Auburn Hills, MI	2/18-19/03
HiLine Eng	Richland, WA	3/ 2-5/03
JC White	Greenville, SC	3/25/03
Colonial Machine	Pleasantville, PA	3/19/03
Bonney Forge	Mt Union, PA	4/1-3/03
Arcos	Mt Carmel, PA	4/10/03
RESCO	Roanoke, VA	4/22/03
Allegheny	Coatsville, PA	5/20/03
Sandmeyer	Philadelphia, PA	4/21/03
Coffer Flange	Houston, TX	6/3-4/03
Western Forge & Flange	Santa Clara, CA	6/9/03
Tube Forgings	Portland, OR	6/11/03
Alaskan Copper Works	Seattle, WA	6/12/03
B&G Mfg	Hatfield. PA	7/2/03
ISG	Coatesville, PA	7/16/03
Slater Steel	Ft Wayne, IN	7/31/03
TFES	Paola, KS	8/5-7/03
Tioga	Philadelphia, PA	8/12-14/03
Ezeflow	Granby, QC	9/3-4/03
PH Tool	New Britan, PA	9/11/03
ASP	Totowa, NJ	10/7/03
Chempump	Warrington, PA	11/4&5/03
University of Kansas	Kansas City, KS	11/11/03
Lorain Tube	Lorain, OH	11/20/03



USS	Pittsburgh, PA	11/21/03
Custom Alloy	High Bridge, NJ	12/11/03
Lab Testing	Hatfield, PA	1/6/04
MMA Labs	Newtown, PA	1/19/04
Penn Valve	Willow Grove, PA	1/9/04
Michigan Seamless	S. Lyon, MI	121/04
Sidbec Dosco	Longiul, CN	2/12 & 13/04
Patriot Forge	Wellan, ON	2/5 & 6 /04
WFI	Houston, TX	2/18/04
Energy Steel	Auburn Hills, MI	1/22-23/04
HiLine Eng	Richland, WA	3/ 9-11/04
JC White	Greenville, SC	3/18/04
Colonial Machine	Pleasantville, PA	4/5/04
Techalloy	Baltimore, MD	3/24/04
Bonney Forge	Mt Union, PA	4/12-14/04
RESCO	Roanoke, VA	4/15/04
Coffer Flange	Houston, TX	5/17 & 18/04
Western Forge & Flange	Santa Clara, CA	6/14/04
Tube Forgings	Portland, OR	6/15/04
Alaskan Copper Works	Seattle, WA	6/116/04
B&G Mfg	Hatfield. PA	7/28/04
ISG	Coatesville, PA	7/29/04
TFES	Paola, KS	8/10-12/04
Tioga	Philadelphia, PA	8/24-26/04
PH Tool	New Britan, PA	9/10/04
ASP	Totowa, NJ	10/26/04
Penn Iron	Wyomising, PA	11/10/04
Chempump	Warrington, PA	11/1&2/04
USS Tube	Lorain, OH	11/16/04
USS	Pitsburgh, PA	11/15/04
Valbuna	Vicenza, It	12/2-3/04
Foronui Metal	Milan, It	11/30/04
Custom Alloy	High Bridge, NJ	12/9/04
Lab Testing	Hatfield, PA	1/4/05
MMA Labs	Newtown, PA	1/28/05
Penn Valve	Willow Grove, PA	1/14/05
Michigan Seamless	S. Lyon, MI	2/10/05
Sidbec Dosco	Longiul, CN	2/3-4/05
Energy Steel	Auburn Hills, MI	2/8-9/05
HiLine Eng	Richland, WA	2/28- 3/2/05
JC White	Greenville, SC	4/14/05
Colonial Machine	Pleasantville, PA	3/16/05
Bonney Forg	Mt Union, PA	4/11-12/05
RESCO	Roanoke, VA	4/28/05
Western Forge & Flange	Santa Clara, CA	6/10/05
Tube Forgings	Portland, OR	6/13/05
Alaskan Copper Works	Seattle, WA	6/15/05
B&G Mfg	Hatfield. PA	9/17/05
ISG	Coatesville, PA	7/25/05
TFES	Paola, KS	8/23-24/05
Tioga	Philadelphia, PA	8/16-17/05
PH Tool	New Britan, PA	9/07/05
Penn Iron	Wyomising, PA	8/11-12 & 9/1/05
Chempump	Warrington, PA	10/25-25/05

USS Tube	Lorain, OH	11/15/05
USS	Pittsburgh, PA	11/16/05
Valbuna	Vicenza, It	11/21-22/05
Custom Alloy	High Bridge, NJ	12/9/05
Lab Testing	Hatfield, PA	1/23/06
MMA Labs	Newtown, PA	1/11/06
Penn Valve	Willow Grove, PA	1/14/06
GE-RS	Twinsburg, OH	2/9/06
Michigan Seamless	S. Lyon, MI	2/10/05
Sidbec Dosco	Longiul, CN	2/3/06
Energy Steel	Auburn Hills, MI	2/8-9/05
HiLine Eng	Richland, WA	3/8/06
JC White	Greenville, SC	2/28/06
Colonial Machine	Pleasantville, PA	3/15/06
Bonney Forg	Mt Union, PA	4/18/06
RESCO	Roanoke, VA	4/11/06
Western Forge & Flange	Santa Clara, CA	6/16/06
Tube Forgings	Portland, OR	6/14/06
Alaskan Copper Works	Seattle, WA	6/13/06
B&G Mfg	Hatfield, PA	9/12/06
ISG	Coatesville, PA	7/26/06
TFES	Paola, KS	8/24/06
Tioga	Philadelphia, PA	8/17/06
Chempump	Warrington, PA	11/9/06
USS Tube	Lorain, OH	11/15/06
USS	Pittsburgh, PA	11/16/06
Custom Alloy	High Bridge, NJ	12/20/06
Lab Testing	Hatfield, PA	1/3/07
MMA Labs	Newtown, PA	1/11/07
Penn Valve	Willow Grove, PA	1/12/07
Michigan Seamless	S. Lyon, MI	3/9/07
Mittal	Longiul, CN	2/21 & 22/07
HiLine Eng	Richland, WA	3/14-16/07
Koon Hall	Portland, OR	3/19/07
JC White	Greenville, SC	3/23/07
Colonial Machine	Pleasantville, PA	3/29/07
Bonney Forg	Mt Union, PA	4/18-19/07
Dunkirk Specialty	Dunkirk, NY	4/24/07
Universal	Bridgeport, PA	4/25/07
Swepco	Clifton, NJ	5/1/07
RESCO	Roanoke, VA	5/9/07
Tube Forgings	Portland, OR	6/28/07
Alaskan Copper Works	Seattle, WA	6/27/07
Arcelor Mittal	Coatesville, PA	7/27/07
TFES	Paola, KS	8/28-30/07
Tioga	Philadelphia, PA	8/20-22/07
B&G Mfg	Hatfield, PA	9/12/07
Western Forge & Flange	Cleveland, TX	9/26/07
General Electric	Twinsburg, OH	10/8-11/07
Corus Steel	Scunthrope, UK	11/5-8/07
Chempump	Warrington, PA	11/19&20/07
USS Tube	Lorain, OH	11/26/07
USS	Pittsburgh, PA	11/27/07
Custom Alloy	High Bridge, NJ	12/18/07

Lab Testing	Hatfield, PA	1/3/08
MMA Labs	Newtown, PA	1/29/08
Penn Valve	Willow Grove, PA	1/9/08
Michigan Seamless	S. Lyon, MI	3/26/08
Mittal	Longueuil, QC	2/13 & 14/08
Struct Int	San Jose, CA	2/18/2008
Newman	Newman, CA	2/20/2008
HiLine Eng	Richland, WA	3/4-6/08
JC White	Greenville, SC	4/7/08
Nova	Cleveland, OH	3/11/2008
ESAB	Ashtabula, OH	3/12/2008
Colonial	Pleasantville, PA	3/13/2008
Summerill Tube	Scottdale, PA	3/17/2008
Atlas	Clifton, NJ	3/28/2008
Bonney Forg	Mt Union, PA	4/10-11/08
Pipe Fab	Woodcross, Utah	4/16/2008
SDI/Roanoke	Roanoke, VA	4/28/2008
Dunkirk Specialty	Dunkirk, NY	5/14/08
Universal	Bridgeport, PA	5/13/08
American Tank	Cleveland, OH	5/20/2008
Oregon Steel-	Portland, OR	5/6/2008
Tube Forgings	Portland, OR	6/3/2008
Alaskan Copper Works	Seattle, WA	6/4/2008
MittalArcelor	Coatesville, PA	7/27/08
TFES	Paola, KS	8/26-28/08
Tioga	Philadelphia, PA	8/19-21/08
B&G Mfg	Hatfield, PA	9/11/08
Western Forge & Flange	Cleveland, TX	10/21/08
WFI	Houston, TX	10/22/2008
General Electric	Twinsburg, OH	10/69/08
Patriot	Brantford, ON	10/16 & 17/2008
ASP	Totowa, NJ	10/30/2008
Chempump	Warrington, PA	11/17-19/08
USS Tube	Lorain, OH	11/20/08
USS	Pittsburgh, PA	11/21/08
E&P	Tucker, GA	12/3/2008
USS	Fairfield, AL	12/2/2008
Custom Alloy	High Bridge, NJ	12/9/08
Lab Testing	Hatfield, PA	1/6/09
Lincoln Electric	Cleveland, PA	1/8&9/09
Penn Stainless	Quakertown, PA	1/22/09
MMA Labs	Newtown, PA	1/27/09
Sanvik	Scranton, PA	1/28/09
Mittal	Longueuil, QC	2/5&6/09
Penn Iron	Reading, PA	2/9/09
HiLine Eng	Richland, WA	3/4-6/09
Colonial	Pleasantville, PA	3/17/09
Summerill Tube	Scottdale, PA	3/18/09
Michigan Seamless	S. Lyon, MI	4/16/09
JC White	Greenville, SC	4/2/09
Bonney Forg	Mt Union, PA	4/29&21/09
SDI/Roanoke	Roanoke, VA	4/28/09
Dunkirk Specialty	Dunkirk, NY	5/5/09
Universal	Bridgeport, PA	5/6/09

SSAB/IPSCO	Roseville, Mn	6/8 & 9/09
Tube Forgings	Portland, OR	6/23/09
Alaskan Copper Works	Seattle, WA	6/25/09
ArcelorMittal	Coatesville, PA	7/29/09
TFES	Paola, KS	8/25-27/09
Western Forge & Flange	Cleveland, TX	9/22 & 23/09
Gerdau Ameristeel-	Jackson, Tn	9/28 & 29/09
Gerdau Ameristeel-	Calvert City, Ky	9/30 & 10/1/09
Steel Dynamics-	Columbia City, In	10/5 & 6/09
Meir	Kennewick, WA	10/19/09
Atlas	Clifton, NJ	11/10-12/09
Chempump	Warrington, PA	11/16-18/09
USS Tube	Lorain, OH	11/19/09
USS	Pittsburgh, PA	11/20/09
E&P	Tucker, GA	12/1 & 2/09
USS	Fairfield, AL	12/3/09
Custom Alloy	High Bridge, NJ	12/7/09
Hayward Tyler	Colchester, VT	12/9 & 10/09
Patriot	Brantford, ON	12/14/09
ASP	Totowa, NJ	12/18/09
LTI	Hatfield, PA	1/5/10
MMA	Newtown, PA	1/26/10
ArcelorMittal	Longueil, QC	2/15-17/10
HiLine Engineering	Richland, WA	3/9-12/10
Colonial Machine	Pleasantville, PA	3/23/10
Summerill Tube	Scottdale, PA	3/24/10
James C. White	Greenville, SC	3/29/10
Swepco	Clifton, NJ	4/1/10
Michigan Seamless	S. Lyon, MI	4/5/10
ESSC	Lapeer, MI	4/6-8/10
Bonney Forge	Mt Union, PA	4/19-21/10
Roanoke Electric Steel	Roanoke, VA	4/27/10
Cannon Sline	Virginia Beach, VA	4/29/10
Dunkirk Specialty	Dunkirk, NY	5/19/10
Universal Stainless	Bridgeport, PA	5/20/10
Trentec	Cincinnati, OH	7/12-15/10
TFES	Paola, KS	8/18-20/10
Tioga Pipe	Forks, PA	8/25-26/10
Corrosion Test Lab	Blue Hen, DE	8/31/10
Western Forge	Cleveland, TX	9/30/10
Patriot Forge	Brantford, ON	9/22-23/10
WFI	Houston, TX	9/28-30/10
Anvil	Kingston, RI	10/4-5/10
Atlas Industrial Mfg.	Clifton, NJ	10/6-7/10
Meir	Kennewick, WA	11/8/10
M&D Engineering	Richland, WA	11/9-10/10
USS Lorain	Lorain, OH	11/15/10
USS Pittsburgh	Pittsburgh, PA	11/16/10
Chempump	Warrington, PA	11/17-19/10
ASP	Totowa, NJ	11/23/10
E&P	Tucker, GA	12/1-2/10
Hayward Tyler	Colchester, VT	12/7-9/10

USS Fairfield	Fairfield, AL	12/14/10
Custom Alloy	High Bridge, NJ	12/16/10
Taylor Forge Stainless	North Branch, NJ	12/20/10
LTI	Hatfield, PA	1/4/11
Airgas	Hamilton, OH	1/17/11
Paxton & Verling	Carter Lake IA	1/11-13/11
MMA	Newtown, PA	2/8/11
ArcelorMittal	Longueil, QC	2/17-18/11
HiLine Engineering	Richland, WA	3/9-11/11
Northwest Calibration	Richland, WA	3/7-8/11
Trust Mfg	Cleveland, OH	2/21-22/11
Colonial Machine	Pleasantville, PA	3/23/11
Summerill Tube	Scottsdale, PA	3/24/11
James C. White	Greenville, SC	3/31/11
Special Metals	Hickory NC	4/13-15/11
Michigan Seamless	S. Lyon, MI	4/5/11
Pipe Fab	Woodscross, UT	5/18-19/11
Bonney Forge	Mt Union, PA	4/118-20/11
Roanoke Electric Steel	Roanoke, VA	5/3/11
Tube forgings	Portland, OR	6/15/11
Dunkirk Specialty	Dunkirk, NY	5/25/11
Universal Stainless	Bridgeport, PA	5/24/11
WFI	Houston, TX	6/1-2/11
TFES	Paola, KS	8/23-25/11
Tioga Pipe	Forks, PA	8/30-31/11
Corrosion Lab	Newark, DE	9/8/11
Western Forge	Cleveland, TX	9/28-29/11
Patriot Forge	Brantford, ON	9/21-22/11
WFI	Houston, TX	9/26-27/11
Qualtech	Cincinnati, OH	10/11-13/11
Atlas Industrial Mfg.	Clifton, NJ	10/17-18/11
Hayward Tyler	Colchester, VT	11/15-17/11
Chempump	Warrington, PA	11/21-23/11
USS Lorain	Lorain, OH	12/1/11
USS Pittsburgh	Pittsburgh, PA	12/2/11
M&D Engineering	Richland, WA	12/7/11
E&P	Tucker, GA	12/13-15/11
Custom Alloy	High Bridge, NJ	12/20/11
LTI	Hatfield, PA	1/3&4/12
Sandvik	Clark Summit, PA	1/24 & 25/12
Techalloy	Baltimore, MD	1/30/12
Airgas	Hamilton, OH	2/1&2/12
B&G Machine	Hatfield, PA	2/21/12
ArcelorMittal	Longueil, QC	2/14&15/12
ESAB	Hanover, PA	2/28&29/12
HiLine Engineering	Richland, WA	3/7-9/12
Ezeflow	Granby, QC	3/14&15/12
Equity Eng	Cleveland, OH	3/26&27/12
Colonial Machine	Pleasantville, PA	3/20/12
Summerill Tube	Scottsdale, PA	3/21/12
James C. White	Greenville, SC	3/30/12

Michigan Seamless	S. Lyon, MI	4/3&4/12
Bonney Forge	Mt Union, PA	4/10-12/12
Mackson,	Rock Hill, SC	4/18&19/12
Roanoke Electric Steel	Roanoke, VA	5/2/12
Dunkirk Specialty	Dunkirk, NY	5/23/12
Universal Stainless	Bridgeport, PA	5/24/12
Tube forgings	Portland, OR	6/6&7/12
Arcos Alloy	Mt Carmel, PA	6/12&13/12
ArcelorMittal	Coatesville, PA	7/31/12
TFES	Paola, KS	8/28-30/12
Rv Industries	Honeybrook, Pa	8/21&22/12
Penn Machine	Chester, PA	9/6&7/12
Western Forge	Cleveland, TX	9/19&20/12
WFI	Houston, TX	9/17&18/12
Patriot Forge	Brantford, ON	10/2&3/12
Atlas Industrial Mfg.	Clifton, NJ	10/9&10/12
Chromalox	Ogden, UT	10/24&25/12
Nuclear Logistics	Ft Worth, Tx	11/1&2/12
E&P	Tucker, GA	11/14&15/12
Lincoln Electric	Cleveland, Oh	11/27&28/12
Chempump	Warrington, PA	11/19-21/12
USS Lorain	Lorain, OH	11/29/12
USS Pittsburgh	Pittsburgh, PA	11/30/12
ASP	Totowa, NJ	12/3&4/12
Custom Alloy	High Bridge, NJ	12/20/12
Swepco	Clifton, NJ	1/9/13
LTI	Hatfield, PA	1/28&29/13
MMA	Newtown, PA	1/25/13
Airgas	Hamilton, OH	2/18/13
ArcelorMittal	Longueil, QC	2/20&21/13
HiLine Engineering	Richland, WA	3/6-8/13
Colonial Machine	Pleasantville, PA	3/14/13
Summerill Tube	Scottdale, PA	3/12/13
James C. White	Greenville, SC	3/18-19/13
Michigan Seamless	S. Lyon, MI	3/25-26/13
Bonney Forge	Mt Union, PA	4/8-10/13
Pipe Fabrication	Woodcross, UT	4/15 & 16/13
Roanoke Electric Steel	Roanoke, VA	5/2/13
Tube forgings	Portland, OR	6/12-13/13
ArcelorMittal	Coatesville, PA	7/30-31/13
TFES	Paola, KS	8/27-29/13
Rv Industries	Honeybrook, Pa	8/20-21/13
Western Forge	Cleveland, TX	9/18-19/13
Tioga Pipe	Forks Township, PA	9/4-5/13
WFI	Houston, TX	9/16-17/13
Hayward Tyler	Colchester, VT	10/1/13
Carboline	St Louis & Lake Charles	10/10&17/13
Patriot Forge	Brantford, ON	10/14-15/13
Chromalox	Ogden, UT	10/23-24/13

Chempump	Warrington, PA	11/12-14/13
E&P	Tucker, GA	11/21-22/13
Custom Alloy	High Bridge, NJ	12/9-10/13
Taylor Forge	Readington, NJ	12/11/13
LTI	Hatfield, PA	1/7 -8/14
Sandvik	Clarks Summit, PA	1/9/14
OFSI	Ashland, VA	1/14&15/14
Trust	Cleveland, OH	1/28-29/14
Airgas	Hamilton, OH	1/30/14
Element	Newtown, PA	2/4/14
Paxton & Verling	Cater Lake, IA	2/25-27/14
Summerill Tube	Scottdale, PA	3/4 & 5/14
Energy NW	Richland, WA	3/10/14
HiLine Eng	Richland, WA	3/11-13/14
Colonial Machine	Pleasantville, PA	3/19/14
James C. White	Greenville, SC	3/24& 25/14
Michigan Seamless	S. Lyon, MI	4/7&8/14
Bonney Forge	Mt Union, PA	4/14 & 15/14
Lesiga	Kodak, TN	4/24&25/14
WFI	Houston, TX	4/30&5/1/14
Pipe Fabrication	Woods Cross, UT	5/8&9/14
Roanoke Electric Steel	Roanoke, VA	5/21/14
Tube forgings	Portland, OR	6/10&11/14
ESAB	Hanover, PA	6/24/14
Weldstar	Arorua, IL	7/10/14
ArcelorMittal	Coatesville, PA	8/5/14
ArcelorMittal	Longueuil, QC	8/12&13/14
TFES	Paola, KS	8/26-28/14
TW Metals	Leetsdale, Pa	9/10&11/14
Western Forge	Cleveland, TX	9/25&26/14
Premier Technologies	Blackfoot, ID	9/17&18/14
Patriot Forge	Brantford, ON	10/7&8/14
Chempump	Warrington, PA	11/4-6/14
Atlas Industrial	Clifton, NJ	11/11&12/14
ASP	Totowa, NJ	11/13&14/14
E&P	Tucker, GA	12/9&10/14
Special Metals	Newton, NC	12/11&12/14
Custom Alloy	High Bridge, NJ	12/15&16/14
LTI	Hatfield, PA	1/6-7/15
OFSI	Ashland, VA	1/14&15/15
Lincoln Electric	Cleveland, OH	1/21-22/15
Airgas	Hamilton, OH	2/10/15
Element	Newtown, PA	2/12/15
Colonial Machine	Pleasantville, PA	3/10/15
Summerill Tube	Scottdale, PA	3/11-12/15
HiLine Eng	Richland, WA	3/17-19/15
Michigan Seamless	S. Lyon, MI	3/25-26/15
James C. White	Greenville, SC	4/7-8/15
Bonney Forge	Mt Union, PA	4/13-14 /15
Roanoke Electric Steel	Roanoke, VA	5/12-13/15
ARCOS Alloy	Mt Carmel, PA	5/20-21/15

Metaltek Mackson	Rock Hill, NC	5/28 & 29/15
Tube forgings	Portland, OR	6/10&11/15
ArcelorMittal	Longueuil, QC	7/21-22/15
ArcelorMittal	Coatesville, PA	7/28-29/15
TFES	Paola, KS	9/1-3/15
WFI	Houston, TX	9/21-22/15
Western Forge	Cleveland, TX	9/23-24/15
Hayward Tyler	Burlington, VT	9/29-10/1/15
Patriot Forge	Brantford, ON	10/20-21/15
RVI Ind.	Honey Brook, PA	10/27-28/15
Chempump	Warrington, PA	11/10-12/15
ASP	Totowa, NJ	11/16-17/15
Atlas Industrial	Clifton, NJ	11/18-19/15
E&P	Tucker, GA	12/8-9/15
Custom Alloy	High Bridge, NJ	12/17-18/15
LTI	Hatfield, PA	1/5-6/16
OFSI	Ashland, VA	1/13&14/16
Carboline	Green Bay, WI	1/19&20/16
Swepco	Clifton, NJ	1/26&27/16
Element	Newtown, PA	2/5/16
Paxton & Veirling Steel	Carter Lake, IA	2/9&10/16
Gerdau Steel	Midlothian, TX	3/9&10/16
Summerill Tube	Scottdale, PA	3/16-17/16
HiLine Eng	Richland, WA	3/23-25/16
James C. White	Greenville, SC	3/30&31/16
Michigan Seamless	S. Lyon, MI	4/13&14/16
Bonney Forge	Mt Union, PA	4/18-20/16
Roanoke Electric Steel	Roanoke, VA	4/27/16
Weldstar	Aurora, IL	5/3/16
Metaltek Mackson	Rock Hill, NC	5/17&18/16
ARCOS Alloy	Mt Carmel, PA	5/20-21/15
Gerdau Steel	Cartersville, GA	5/25&26/16
Tube forgings	Portland, OR	6/15&16/16
ArcelorMittal	Longueuil, QC	7/26&27/16
ArcelorMittal	Coatesville, PA	8/2&3/16
TFES	Paola, KS	8/23-25/16
WFI	Houston, TX	9/20-21/16
Western Forge	Cleveland, TX	9/22-23/16
Patriot Forge	Brantford, ON	10/5&6/16
ASP	Totowa, NJ	10/11&12/16
Chempump	Warrington, PA	10/24&25/16
Atlas Industrial	Clifton, NJ	11/18-19/16
E&P	Tucker, GA	12/5&6/16
Custom Alloy	High Bridge, NJ	12/12&13/16