



Appleton Quality Concepts LLC



Date: July 20, 2026

Personnel Qualification - Audit / QA

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Name Annemarie Appleton	ANSI N45.2.23 2.3.1 NQA-1, PTIII, 3.1-2.2	Written Exam
Title President	14 Credits	Passed 98 %
Job Function (Audit Program)	LEAD AUDITOR	

Auditor Qualification Basis - Education & Experience

Reference: ANSI N45.2.23-1978 Paragraph 2.3.1, ASME NQA-1, PART III, SUBPART 3.1-2.2

Category	Description	Credits
Education (4 credits Maximum)	Associate degree (1 credit) or, if the degree is in engineering, physical sciences, mathematics, or quality assurance (2 credits) Bachelor's degree (2 credits) or, if the degree is in engineering, physical sciences, mathematics, or quality assurance (3 credits) Additional Credits Master's degree in engineering, physical sciences, business management, or quality assurance (1 credit)	AAS Degree 1985 PCCC 1
Experience (9 credits maximum)	Technical Experience (1 credit per year; 5 maximum) Additional Credits 2 or more years in nuclear field (1 credit) 2 or more years in quality assurance (2 credits) 2 or more years in auditing (3 credits) 2 or more years in Nuclear QA (3 credits) 2 or more years in Nuclear QA auditing (4 credits)	More than 30 years in each 9
Other Credentials of Professional Competence (2 Credits Maximum) Membership in Technical, QA, Inspection, NDE Organizations, Participation in SDOs	(2 Credits Maximum-provide detail) Membership on MSS, ASTM, ASME technical committees for over 35 years	2
Rights of Management (2 credits Maximum) leadership, sound judgment, maturity, written and verbal communication skills, analytical ability, tenacity, past performance, and quality assurance training courses	(2 credits Maximum - provide detail) Progressive management roles, leadership roles at SDOs, memos, reports, on-going training over 35 years, 42 years manufacturing and quality management	2

CERTIFICATION

Annemarie Appleton is hereby certified as qualified to perform as **Lead Auditor**

Original Qualification By Ray Perkins ASP/KMS OA Manager/Lead Auditor	Date 4/7/1986	Qualification Period	Effective Date 7/20/2026
Last Review By Annemarie Appleton AOC President	Date 7/20/2026		Expiration Date 7/20/2027
Quality Management Review & Approval by			Date 7/20/2026
Name Annemarie Appleton			Title President

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Name Annemarie Appleton	Title President
Education, Training & Experience (Training plans, memos, and other credentials attached)	
Work Experience See resume (attached) May 2023 - present Appleton Quality Concepts LLC Provides Quality Assurance support to clients for Quality Assurance/Quality System Program and Audit Program development. Provides manual and procedure review and development support. Provides auditing support. 2023 - present AQC President/Chief Consultant/Lead Auditor May 1986 - May 2023 Alloy Stainless Products Company/Knickerbocker Machine Shop Inc. Performed or supervised all ASP/KMS vendor audits; Developed ASP/KMS auditing plans and procedures; Trained and qualified other ASP/KMS auditors; Approved subcontracted auditing services based on review of auditor qualifications; Prepared or approved audit reports and corrective actions resulting from audit findings. Provided Executive Oversight to Quality Function and acted as or designated appropriate personnel to perform functions of Quality Assurance Management, Oversight of Quality Department Manager, Quality Department, Inspection Department. 2015-2023 ASP/KMS President 2007-2015 ASP/KMS Vice-President/Manufacturing & Quality (Exec Quality Function) 1994-2008 ASP/KMS Vice-President/Manufacturing & Quality (Exec/Quality Function, Acting QA Mgr) 1991-1994 ASP/KMS Vice-President/Quality 1986-1991 ASP/KMS Quality Control Manager 1985-1986 ASP/KMS Quality Control Assistant 1986-2023 ASP/KMS Audit Participation (See Attachment) 1986-2023 ASP/KMS Management Appointment as Lead Auditor (see attached original qualifications)	
Communication Skills Good technical communication skills. 45+ years of audit experience writing audit summaries, reports and corrective actions. 35+ years of participation in Standardization Development Organizations writing material and product specifications and quality assurance requirements.	
Audit Participation Audit Participation since 1986 through 2025 (see attached list) Participation in Standards Development Organizations writing Quality Program Requirements 2024-Present Member ASME Board on Nuclear, Clean Energy and Facilities Codes and Standards 2024-Present Member ASME Strategic Committee on Nuclear Facilities (BNCS) 2016-2024 Member ASME Board on Nuclear Codes and Standards 2021-Present Member ASME Committee on Nuclear Certification 2019-Present Member ASME Standards Committee on Nuclear Quality Assurance 2011-Present Member ASME NQA Committee on Nuclear Quality Assurance SC Program Management Processes 2025-Present Vice-Chair ASME BPV III Standards Committee on Nuclear Facility Components 2011-Present Member ASME BPV III Standards Committee on Nuclear Facility Components 1997-Present Member ASME BPV III Standards Committee on Nuclear Facility Components SGGR Subgroup General Requirements 2019-2023 Membe ASME Comm BPV III SGGR Working Group General Requirements 2009-2019 Member ASME B&PV Comm BPV III SGGR Working Group Quality Assurance, Certification & Stamping 2018-Present Member ASME B&PV Committee BPV III SG-GR WG-GCCCA Gen Req Graphite & Comp Core Component 2018-2022 Chair ASME B&PV Committee BPV III SG-GR WG-GCCCA Gen Req Graphite & Comp Core Components 2009-2018 Chair ASME B&PV Committee BPV III Joint TG SGGR/SGGCC on Gen Req for Graphite Core Components 2009-2019 Member ASME B&PV Comm BPV III SGGR Working Group Quality Assurance, Certification & Stamping 2009-2018 Chair ASME B&PV Committee BPV III Joint TG SGGR/SGGCC on Gen Req for Graphite Core Components 2005-2008 Secretary ASME B&PV Committee SCIII SGGR Subgroup General Requirements 2001-2002 Secretary ASME B&PV Committee SCIII SGGR Subgroup General Requirements 1991-1994 Member ASME B&PV Task Group TG3800 (SCIII/SGGR) Re-write Subarticle NCA-3800	

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Name Annemarie Appleton		Title President
Certifications		
2025-Present	ASME	Credentialed Educator
2004-2010	ASQ	Certified Quality Engineer Exam Cert. No. 46754 issued 12/4/04
2004-2010	ASQ	Certified Quality Manager Exam Cert. No. 8430 issued 10/16/04
2004-2010	ASQ	Certified Quality Auditor Exam Cert. No. 30469 issued 6/5/04
1992-1996	ASQC	Certified Quality Auditor Exam Cert. No. 3052 issued 6/6/92
Professional Society Memberships		
1986-Present	ASTM Member No. AA6441300	Fellow
1991-Present	ASME International Member No. 2850956	Fellow
1991-Present	ASM International Member No. 147133	
2005-Present	ASQ Senior Member	
1991-Present	ASNT Member No. 135543	
1986-Present	ASQ Member No. 100304	
Auditor Training		
2024	ASME NQA-1 Practical Application PDH 4.0	
2024	ASME NQA-1 Part 1 1-18 QA Requirements PDH 4.0	
2024	ASME Overview of QPS (Quality Program for Suppliers) General Industry CEU.10	Exam 96.6%
2004	ASQ Certified Quality Auditor CEU 3.0	June 2004
1992	ASQC Sec 0304 Certified Quality Auditing Course	
Education & Training		
DOCUMENTATION ATTACHED where possible		
2025 ASME Train the Trainer		
1991-present Attendance at ASTM, ASME, & MSS Technical Committee Meetings		
2024 ASME Design for Additive Manufacturing with Metals 1.0 CEU		
2024 ASME Additive Manufacturing Manufacturability: Lasere Powder Bed Fusion .4 CEU		
2024 GSC Project Management Professional (35 Contact Hours) 2.3		
2023 ASME TRIZ The Theory of Inventive Problem Solving 2.4 CEU		
2023 ASME Overview of QPS (Quality Program for Suppliers) General Industry .10 CEU and Exam 96.6%		
2018 CSTM Intl Forum on Testing & Materials - PRESENTER: ASME: Standards for Additive Mfg for Pressure Equipment		
2018 CSTM Intl Forum on Testing & Materials - PRESENTER: ASME: How Material Specifications are Adopted		
2018 ASME Essentials - BPV Code Sec III Div 1 Rules for Construction of Nuclear Facility Components PDH 2.00		
2018 ASME How to Get an N Stamp - Conformity Assesment, Requirements and Procedures PDH 3.00		
2018 ASME Essentials - BPV Code Sec III: Subsection NCA PDH 2.00		
2018 ASME Execution: How to Get Results PDH 1.50		
2018 ASME Introduction to Additive manufacturing PDH 1.50		
2018 ASME Technical Writing for Engineers: Giving Readers What They Want PDH 4.00		
2018 ASME Creating Effective Technical Presentations		
2018 ASME Ethics for Engineers: Doing the Right thing When No One is Looking PDH 3.00		
2018 ASME Changing Organizational Culture PDH 1.50		
2018 ASME Standards and Certification PDH 2.00		
2017 ASTM Symposium on Fatigue & Fracture of Additive Manufactured Materials and Components CEU 1.0		
2015 Piping Failures – Causes and Preventions, 7.50 PDH .75 CEUs, November 6, 2015 Atlanta GA		
2014 NRC Workshop on Vendor Oversight - PRESENTER - Topic: NCA-3855.5 UUQSM v 10CFR21/10CFR50AppB Dedication		
2015 Piping Failures – Causes and Preventions, 7.50 PDH .75 CEUs, November 6, 2015 Atlanta GA		
2011 ASME 2011 Leadership Soft Skills Forum, 3.5 PDH January 2011		
2009 ASME Nuclear Power Plant Construction, 14 PDH June 2009		
2005 ASQ Certified Quality Engineer 6.5 CEU January 2005		
2004 NJMEP Principles of Lean Manufacturing Workshop November 2004		
2004 ASQ Certified Quality Manager 4.0 CEU October 2004		
2004 ASQ Certified Quality Auditor 3.0 CEU June 2004		
2004 NiDI Seminar "Corrosion in the Chemical Process Industry: Applications of Nickel Containing Alloys"		
2004 X-MET 880 Operator Training Program		
2000 Teledyne Radiation Safety Training		
1993 Skillpath Total Quality Management Seminar		
1993 ASM Principles of Machining Course 5.0 CEU March 1993		
1993 ASM Elements of Metallurgy Course 5.0 CEU March 1993		
1992 ASQC Sec 0304 Certified Quality Auditing Course		
1992 Juran Institute Total Quality Management Seminar 0.6 CEU Mar 1992		
1985 Passaic County Community College - Associate Applied Science Degree		

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Name Annemarie Appleton

Title President

Standards Development Organization Committee Participation

ASME

2005-Present Member ASME B&PV Committee SCII on Materials
2008-Present Member B&PV Standard Committee II on Materials Executive Committee
2023- Present Vice-Chair B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
2008-2023 Chair ASME B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
2000-Present Member ASME B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
2025-Present Member Standards Committee on Additive Manufacturing for Metallic Materials (A3M)
2017-2025 Contributing Member BPTCS/BNCS Spec Comm Use of Additive Manufacturing for Pressure Retaining Equip
2024-Present Member Board on Nuclear, Clean Energy, Power, and Facilities Codes and Standards
2024-Present Member Strategic Committee on Nuclear Facilities
2025-Present Member BNCS Task Group on Honors and Awards
2016-2024 Member Board on Nuclear Codes and Standards
2021-Present Member Committee on Nuclear Certification
2019-Present Member ASME Standards Committee on Nuclear Quality Assurance
2025-Present Vice-Chair ASME B&PV Committee BPV III Committee on Construction of Components for Nuclear Facilities
2011-Present Member ASME B&PV Committee BPV III Committee on Construction of Components for Nuclear Facilities
2019-Present Member ASME Comm BPV III SGG Working Group General Requirements
2018-2022 Chair ASME B&PV Committee BPV III SG-GR WG-GCCC Gen Req Graphite & Composite Core Components
2018-Present Member ASME B&PV Committee BPV III SG-GR WG-GCCC GR Graphite & Composite Core Components
2010-2018 Member ASME B&PV Committee BPV III SG-GCC Subgroup Graphite Core Components
2009-2018 Chair ASME B&PV Committee BPV III Joint TG SGG/SGGCC on GR for Graphite Core Components
2009-2017 Member ASME B&PV Comm BPV III SGG WGQACS Task Group on Reorganization of Subsection NCA
2009-2019 Member ASME B&PV Comm BPV III SGG Working Group Quality Assurance, Certification & Stamping
2005-2008 Secretary ASME B&PV Committee SCIII SGG Subgroup General Requirements
2001-2002 Secretary ASME B&PV Committee SCIII SGG Subgroup General Requirements
1997-Present Member ASME B&PV Committee SCIII SGG Subgroup General Requirements
1991-1994 Member ASME B&PV Task Group TG3800 (SCIII/SGG) Re-write Subarticle NCA-3800
2011-Present Member ASME PTCS Committee B16 Standardization of Valves, Flanges, Fittings, and Gaskets
2004-Present Member ASME PTCS Committee B16 Subcommittee C Steel Flanges and Flanged Fittings (B16)
2000-Present Member ASME PTCS Committee B16 Subcommittee F Steel Threaded and Welding Fittings (B16)
2025-Present Chair ASME PTCS Committee B16 Materials Technical Committee
2022-2025 Vice-Chair ASME PTCS Committee B16 Materials Technical Committee
2004-Present Member ASME PTCS Committee B16 Materials Technical Committee
2025-Present Chair US TAG ISO TC5/SC5 Thread Fittings, Solder Fittings, Weld Fittings, Pipe Thread, Thread Gauge
2004-Present Member US TAG ISO TC5/SC5 Thread Fittings, Solder Fittings, Weld Fittings, Pipe Thread, Thread Gauge
2021-Present Member Bernard F. Langer Medal Committee
2024-Present Member Fellows Review Committee
~~2025-Present Member Committee on Organization and Rules~~

ASTM

2018-Present Member Committee F42 on Additive Manufacturing Technologies
2010-Present Member ASTM Subcommittee A01.14 Task Group on Revision of ASTM-A-262
2006-Present Member ASTM Committee A01 Executive Committee
2006-Present Chair ASTM Subcommittee A01.14 Methods of Corrosion Testing
2005-Present Member ASTM Subcommittee A01.14 Methods of Corrosion Testing
1991-1994 Secretary ASTM Subcommittee Section A01.22.02 Steel Forgings Wrought Fittings Bolting Materials
1990-Present Member ASTM A01 Subcommittee 22 Steel Forgings, Wrought Fittings, Bolting Materials for Piping
1990-Present Member ASTM A01 Subcommittee 22 Section 02 Welding Fittings
1990-Present Member ASTM A01 Subcommittee 22 Section 03 Forgings
1990-Present Member ASTM A01 Subcommittee 18 Castings
1990-Present Member ASTM A01 Subcommittee 17 Flat-Rolled and Wrought Stainless Steel
1990-Present Member ASTM A01 Subcommittee 10

MSS

2010-2015 Chair MSS Board of Directors Personnel Committee
2009-2015 Member MSS Board of Directors Information Technology Committee
2002-2015 Member MSS Board of Directors Personnel Committee
2002-2015 Member MSS Board of Directors
1992-Present Member MSS Committee 105 Forged Steel Fittings
2025-Present Chair MSS Committee 108 Ferrous Threaded Fitting
2023-Present Vice-Chair MSS Committee 108 Ferrous Threaded Fitting
1992-Present Member MSS Committee 108 Ferrous Threaded Fittings
1992-Present Member MSS Committee 110 Steel Flanges & Flanged Fittings
1992-Present Member MSS Committee 302 Marking and Terminology
1992-Present Member MSS Committee 304 Quality Standards
1992-Present Company Technical Representative MSS

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Name Annemarie Appleton

Title President

Other

Awards:

ASME BPV II Gold Standard Award 2025

ASME ASME Fellow Grade 2024

ASME Bernard F. Langer Nuclear Codes and Standards Award 2020

ASME 125th Anniversary Certificate of Recognition 2009

ASME Standards & Certification Board Certificate of Acclamation for Outstanding Service to ASME and the Nuclear Industry in the Re-write of

NCA-3800 in the 1992 Edition 1994 Addenda

ASME Standards & Certification Board Certificate of Accalamation for Outstanding Service to ASME and the Nuclear Industry in the develop of Div5 -

High Temperature Reactors

ASME BPV Committee III Certificate of Accamation for review, acceptance & incorporation of 2008 Edition of NQA-1 into Section III of the ASME Boiler

& Pressure Vessel Code

ASME BPV III Subgroup General Requirements Certificate of Appreciation 15 Yesr Service Award

ASME BPV II Standards Committee Certificate of Appreciation 15 Year Service Award

ASME B16 Standards Committee Certificate of Appreciation 10 Year Service Award

ASTM Committee A01 Founding Committee Award 2025

ASTM Award of Merit (Fellow) 2019

ASTM A01 Committee on Steel, Stainless Steel and Related Alloys Award of Appreciation for outstanding service to the committee as chair of

A01.14 on Methods of Corrosion Testing 2010

MSS Certificate of Recognition 30 Year Service Award 2022

MSS Certificate of Recognition 20 Year Service Award 2012

ASQ Senior Member

ASQ Certificate of Recognition 15 Year Membership Award

ASM 15 Year Membership Award

Publications:

ASTM Symposia Paper STP1607 2017 0232 Published: 17 April 2019

Microstructure Analysis for the Detection of Intermetallic Phases Predictive of Toughness and Corrosion Resistance in Duplex and Lean Duplex Steels

<https://www.astm.org/stp160720170232.html>

NRC Workshop on Vendor Oversight 2014 Conference

Comparison of ASME Section III NCA-3855.5 Utilization of Unqualified Source Material vs. Commercial Grade Material

<https://www.nrc.gov/docs/ML1415/ML14153A175.pdf>

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Name Annemarie Appleton		Title President
Nuclear Audit Participation Record		
11/4/2025	Accu-Test Labs	Houston, TX
6/3-5/2025	Material Inspection Tech	Houston, TX
5/19-23/2025	Western Flange and Forge	Cleveland, TX
8/5-9/2024	Brafe Engineering LTD	Woodbridge, UK
7/15-17/2024	ASC Engineered Solutions	North Kingston, RI
3/26-27/2024	Met Weld Inc	Altamont, NY
1/8-12/2024 & 1/22-26/2024	Thermal Engineering International	Joplin, MO
4/24 & 25/2018	Flowline Divison	New Castle, PA
10/10-11/2016	Management System Analysis	Royersford, PA
4/3-4/2013	Flowline Division	Newcastle, PA
10/6-7/2011	Both Well Fittings	Kaoshiung City, Taiwan
4/18-19/2011	Flowline Division	Newcastle, PA
7/24/2009	MEGA Fittings	Scanzorosciate (BG), Italy
7/22/2009	Acciairie Valbruna	Vicenza, Italy
7/21/2009	Acciairie Valbruna	Bolzano, Italy
4/24/2008	Flowline Division	Newcastle, PA
4/20/2005	Flowline Division	Newcastle, PA
3/29/2004	Castle Metals	Franklin Park, IL
3/9/2004	Acciairie Valbruna	Bolzano, Italy
3/8/2004	Rodacciai, SpA	Bossisio Parini, Italy
3/1/2004	Valbruna Corp USA	Oakland, NJ
2/20/2004	TAD Metals, Inc.	Monroe Township, NJ
2/20/2004	TW Metals, Inc.	Monroe Township, NJ
2/18/2004	Castle Metals	Fairless Hills, PA
2/9/2004	Exton Granite Calibration	at KMS, Totowa, NJ
12/19/2003	Rolled Alloys, Inc	Windsor, CT
12/9/2003	Allvac, Inc	Richburg, SC
12/8/2003	Outokumpu (Avesta Polarit)	Richburg, SC
12/8/2003	U. S. Inspection Services (Outokumpu/Allvac)	Richburg, SC
12/5/2003	Outokumpu (Avesta Polarit)	Degerfors, Sweden
12/4/2003	Acciairie Valbruna	Vicenza, Italy
12/1/2003	Outokumpu (Avesta Polarit) SMACC	Sheffield, England
6/9/1999	Altech Specialty Steel Corp	Watervliet, NY
4/16/1999	Flowline Division	Newcastle, PA
3/31/1999	Ideal Forging Corp.	Southington, CT
12/11/1997	Cartech Service_Center	West Caldwell, NJ
12/16/1994	Jos. T. Ryerson & Son Inc.	Jersey City, NJ
12/6-7/94	Slater Steels	Fort Wayne, IN
3/23/1994	Laboratory Testing, Inc.	Dublin, PA
1/14/1994	Cartech Service Center	West Caldwell, NJ
12/18/1992	Cartech Service Center	West Caldwell, NJ
12/17/1992	Laboratory Testing, Inc.	Dublin, PA
12/9&10/92	Crucible Specialty Metals	Syracuse, NY
10/14/1992	Crucible Service Center	Kenilworth, NJ

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Name Annemarie Appleton		Title President
Nuclear Audit Participation Record, continued		
12/18/1992	Cartech Service Center	West Caldwell, NJ
12/17/1992	Laboratory Testing, Inc.	Dublin, PA
12/17/1992	Laboratory Testing, Inc.	Dublin, PA
12/9&10/92	Crucible Specialty Metals	Syracuse, NY
10/14/1992	Crucible Service Center	Kenilworth, NJ
12/18/1992	Cartech Service Center	West Caldwell, NJ
12/17/1992	Laboratory Testing, Inc.	Dublin, PA
12/9&10/92	Crucible Specialty Metals	Syracuse, NY
10/14/1992	Crucible Service Center	Kenilworth, NJ
07/29&30/92	Ideal Forging Corporation	Southington, CT
6/23/1992	MetroLab Corporation	Newark, NJ
5/20/1992	Flowline Corporation	Newcastle, PA
5/13/1992	Crucible Materials Corporation	Fairfield, NJ
12/31/1991	Carpenter Technology Corp.	West Caldwell, NJ
12/16/1991	Bridgeport Testing Laboratory	Bridgeport, CT
10/28/1991	Laboratory Testing, Inc.	Dublin, PA
10/24/1991	Ideal Forging Corporation	Southington, CT
5/20/1991	Crucible Materials Corporation	Fairfield, NJ
3/26/1991	Crucible Materials Corporation	Syracuse, NY
11/2/1990	Ideal Forging Corporation	Southington, CT
10/23/1990	Carpenter Technology Corp.	Reading, PA
10/22/1990	Carpenter Technology Corp.	West Caldwell-, NJ
6/15/1990	Dwight DIC, Inc.	Lyndhurst, NJ
3/21/1990	Merrill Custom Forgings	Maspeth, NY
3/14/1990	Lawrence Ripak Company	West Babylon, NY
3/2/1990	Benedict Miller, Inc.	Lyndhurst, NJ
2/27/1990	Earle M. Jorgensen Company	Wethersfield, CT
12/14/1989	Crucible Materials Corporation	Syracuse, NY
10/24/1989	Ramball Testlab	Pennsauken, NJ
10/2/1989	Alpha Testing Laboratories	Totowa, NJ
9/27/1989	Ideal Forging Corporation	Southington, CT
9/26/1989	Merrill Custom Forgings	Maspeth, NY
9/25/1989	Bridgeport Testing Laboratory	Bridgeport, CT
9/13/1989	Carpenter Technology Corp.	West Caldwell, NJ
9/12/1989	Carpenter Technology Corp.	Reading, PA
1988-1986	Various ASP/KMS Vendor Audits	Various
3/14/1986	Training / Ideal Forging Corp.	Southington, CT

**Personal Information:**

Surname: Appleton Annemarie
Given Name:
Address: 635 Cannella Way
Riverdale, New Jersey 07457 USA

+1 (201) 650-8262
Mobile:
E-mail: abappleton@appletonqualityconcepts.com December

Date of Birth: 18, 1957
Place of Birth: Montreal, Quebec, Canada

USA
Citizenship: USA
Present Residence:

SUMMARY

Ms. Appleton is an expert in numerous areas of ASTM, ASME, and MSS materials specifications and product standards, and Quality System Programs for materials manufacturers and suppliers in process, pressure piping, and pressure vessel materials and piping components, especially in austenitic stainless and high-alloy materials. In particular she has extensive experience with the supply of materials in the commercial nuclear power industry under the requirements of ASME Section III NCA-3300/ NCA-4000/HAB-3800/HAB-4000, ASME NQA-1, and the US Nuclear Regulatory Commission Regulations Title 10, Code of Federal Regulations, Appendix B to Part 50 - Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants and Part 21--Reporting Of Defects And Noncompliance. Most recently, she has participated in the development and maintenance of the ASME QPS Quality Program for Suppliers General Industry Standard 2021. For more than 35 years, she has participated in and held leadership positions on consensus committees at various standards development organizations with jurisdiction over these specifications and standards. Ms. Appleton has been elevated to the grade of Fellow at both ASTM and ASME. Her industry SDO experience is alloyed with 42 years of daily hands-on experience in quality management and production management of a pipe fitting manufacturing facility for austenitic and high-alloy pipe fittings..

EMPLOYMENT

2023 - Present

President & Chief Consultant
Appleton Quality Consultants LLC 636
 Cannella Way, Riverdale, NJ 07457
 Phone 201-650-8262
 abappleton@appletonqualityconcepts.com www.appletonqualityconcepts.com

1981-2023

Knickerbocker Machine Shop Inc / Alloy Stainless Products Co. Inc. (ASP/KMS)
 611 Union Boulevard, Totowa, NJ 07512 & 87 Fairfield Road, Fairfield, NJ 07004

2015-2023

ASP/KMS President & CEO

Executive Management responsibility for all Company Operations, leading Sales, Production, and Finance to achieve overall Company goals to provide customers with excellence in conformance, quality, service, and integrity while striving to adapt the workplace to the dynamic challenges of the 21st century,

1994-2015

ASP/KMS Vice-President/Manufacturing

Executive Management responsibility for all Manufacturing / Production / Machinery Technology and Personnel, Scheduling, and Resource Allocation and all Quality/Engineering/Technical/Inspection Technology and Personnel, Scheduling, and Resource Allocation in @80 person Machine Shop/Manufacturing Operation with Production Staff of @8 Supervisory and @50 Operational; @6 in Quality Control / Assurance; = 1 Engineering, 1 Management, 4 Inspection including direct and delegated participation in Plant Technology innovation and improvement (machinery and equipment), Production Scheduling, Personnel Deployment, Union and other Employee Negotiations, and Quality Assurance Systems and Procedures, Standards and Specifications Review, Inspection Procedures and Practices, Supplier and Internal Audit Programs, Nonconforming Material Management, Quality Cost Reduction, Corrective Action Programs.

1991-1994

ASP/KMS Vice-President/Quality

Executive Management responsibility for all Quality / Engineering / Technical / Inspection Technology and Personnel, Scheduling, and Resource Allocation in @80 person Machine Shop with @6 in Quality Control / Assurance;= 1 Management, 1 Engineering, 4 Inspection, Management of Quality Assurance Systems and Procedures, Standards and Specifications Review, Inspection Procedures and Practices, Supplier and Internal Audit Programs, Nonconforming Material Management, Quality Cost Reduction, Corrective Action Programs

1986-1991

ASP/KMS Quality Control Manager

Management responsibility for all Quality / Engineering / Technical / Inspection Technology and Personnel, Scheduling, and Resource Allocation in @80 person Machine Shop with @6 in Quality Control / Assurance;= 1 Management, 1 Engineering, 4 Inspection. Responsible for Implementing Quality Assurance Systems and Procedures, Standards and Specifications Review, Inspection Procedures and Practices, Supplier and Internal Audit Programs, Nonconforming Material Management, Quality Cost Reduction, Corrective Action Programs

1986-Present

ASP/KMS Management Appointment ASP/KMS Nuclear Lead Auditor

1984-1986

ASP/KMS Quality Control Administrator

1981-1984

ASP/KMS Inside Sales Associate

1978-1979

Bard Parker Division Becton Dickenson ***Contract Sales Department Leader***

1977-1979

Bard Parker Division Becton Dickenson ***Contract Sales Department Clerk***

DEGREES and CERTIFICATIONS

2025-Present ASME Credentialed ASME Educator
 2004-2010 Certified Quality Engineer ASQ CQE Certification No. 46754 issued 12/4/04
 2004-2010 Certified Quality Manager ASQ CQM Certification No. 8430 issued 10/16/04
 2004-2010 Certified Quality Auditor ASQ CQA Certification No. 30469 issued 6/5/04
 1992-1995 Certified Quality Auditor ASQC CQA Certification No. 3052 issued 6/6/92
 1985 A.A.S. Business Administration/ Accounting Passaic County Community College, Paterson, NJ

PROFESSIONAL SOCIETY AFFILIATIONS

2010-Present ASNT Member No. 135543
 2000-Present ASME Member No. 2850956 FELLOW
 1992-Present MSS Technical Representative
 1991-Present ASM Member No. 147133
 1986-Present ASTM Member No AA6441300 (000107304) FELLOW
 1986-Present ASQ Senior Member No. 100304

STANDARDS DEVELOPMENT ORGANIZATIONS

ASME American Society of Mechanical Engineers

2005-Present Member ASME B&PV Committee SCII on Materials
 2008-Present Member B&PV Standard Committee II on Materials Executive Committee
 2023- Present Vice-Chair B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
 2008-2023 Chair ASME B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
 2000-Present Member ASME B&PV Committee SCII SGFS Subgroup on Ferrous Specifications
 2025-Present Member Standards Committee on Additive Manufacturing for Metallic Materials (A3M)
 2017-2025 Contributing Member BPTCS/BNCS Spec Comm Use of Additive Manufacturing for Pressure Retaining Equip
 2024-Present Member Board on Nuclear, Clean Energy, Power, and Facilities Codes and Standards
 2024-Present Member Strategic Committee on Nuclear Facilities
 2025-Present Member BNCS Task Group on Honors and Awards
 2016-2024 Member Board on Nuclear Codes and Standards
 2021-Present Member Committee on Nuclear Certification
 2019-Present Member ASME Standards Committee on Nuclear Quality Assurance
 2025-Present Vice-Chair ASME B&PV Committee BPV III Committee on Construction of Components for Nuclear Facilities
 2011-Present Member ASME B&PV Committee BPV III Committee on Construction of Components for Nuclear Facilities
 2019-Present Member ASME Comm BPV III SGGR Working Group General Requirements
 2018-2022 Chair ASME B&PV Committee BPV III SG-GR WG-GCCC Gen Req Graphite & Composite Core Components
 2018-Present Member ASME B&PV Committee BPV III SG-GR WG-GCCC GR Graphite & Composite Core Components
 2010-2018 Member ASME B&PV Committee BPV III SG-GCC Subgroup Graphite Core Components
 2009-2018 Chair ASME B&PV Committee BPV III Joint TG SGGR/SGGCC on GR for Graphite Core Components
 2009-2017 Member ASME B&PV Comm BPV III SGGR WGQACS Task Group on Reorganization of Subsection NCA
 2009-2019 Member ASME B&PV Comm BPV III SGGR Working Group Quality Assurance, Certification & Stamping
 2005-2008 Secretary ASME B&PV Committee SCIII SGGR Subgroup General Requirements
 2001-2002 Secretary ASME B&PV Committee SCIII SGGR Subgroup General Requirements
 1997-Present Member ASME B&PV Committee SCIII SGGR Subgroup General Requirements
 1991-1994 Member ASME B&PV Task Group TG3800 (SCIII/SGGR) Re-write Subarticle NCA-3800
 2011-Present Member ASME PTCS Committee B16 Standardization of Valves, Flanges, Fittings, and Gaskets
 2004-Present Member ASME PTCS Committee B16 Subcommittee C Steel Flanges and Flanged Fittings (B16)
 2000-Present Member ASME PTCS Committee B16 Subcommittee F Steel Threaded and Welding Fittings (B16)
 2025-Present Chair ASME PTCS Committee B16 Materials Technical Committee
 2022-2025 Vice-Chair ASME PTCS Committee B16 Materials Technical Committee
 2004-Present Member ASME PTCS Committee B16 Materials Technical Committee
 2025-Present Chair US TAG ISO TC5/SC5 Thread Fittings, Solder Fittings, Weld Fittings, Pipe Thread, Thread Gauge
 2004-Present Member US TAG ISO TC5/SC5 Thread Fittings, Solder Fittings, Weld Fittings, Pipe Thread, Thread Gauge
 2021-Present Member Bernard F. Langer Medal Committee
 2024-Present Member Fellows Review Committee
 2025-Present Member Committee on Organization and Rules

ASTM American Society for Testing and Materials

2018-Present	Member Committee F42 on Additive Manufacturing Technologies
2010-Present	Member ASTM Subcommittee A01.14 Task Group on Revision of ASTM-A-262
2006-Present	Member ASTM Committee A01 Executive Committee
2006-Present	Chair ASTM Subcommittee A01.14 Methods of Corrosion Testing
2005-Present	Member ASTM Subcommittee A01.14 Methods of Corrosion Testing
1991-1994	Secretary ASTM Subcommittee Section A01.22.02 Steel Forgings Wrought Fittings Bolting Materials
1990-Present	Member ASTM A01 Subcommittee 22 Steel Forgings, Wrought Fittings, Bolting Materials for Piping
1990-Present	Member ASTM A01 Subcommittee 22 Section 02 Welding Fittings
1990-Present	Member ASTM A01 Subcommittee 22 Section 03 Forgings
1990-Present	Member ASTM A01 Subcommittee 18 Castings
1990-Present	Member ASTM A01 Subcommittee 17 Flat-Rolled and Wrought Stainless Steel
1990-Present	Member ASTM A01 Subcommittee 10 Stainless and Alloy Steel Tubular Products
1990-Present	Member ASTM Committee A01 Steel, Stainless Steel and Related Alloys

MSS Manufacturer's Standardization Society of the of the Valve and Fittings Industry

2010-2015	Chair MSS Board of Directors Personnel Committee
2009-2015	Member MSS Board of Directors Information Technology Committee
2002-2015	Member MSS Board of Directors Personnel Committee
2002-2015	Member MSS Board of Directors
1992-Present	Member MSS Committee 105 Forged Steel Fittings
2025-Present	Chair MSS Committee 108 Ferrous Threaded Fitting
2023-Present	Vice-Chair MSS Committee 108 Ferrous Threaded Fitting
1992-Present	Member MSS Committee 108 Ferrous Threaded Fittings
1992-Present	Member MSS Committee 110 Steel Flanges & Flanged Fittings
1992-Present	Member MSS Committee 302 Marking and Terminology
1992-Present	Member MSS Committee 304 Quality Standards
1992-Present	Company Technical Representative MSS

EDUCATION & TRAINING

2024	ASME Train the Trainer
2024	ASME NQA-1 Part 1 – 18 QA Requirements 4.0 PDH
2024	ASME Design for Additive Manufacturing with Metals 1.0 CEU
2024	ASME Additive Manufacturing Manufacturability: Lasere Powder Bed Fusion .4 CEU
2024	Attendance at 11th ASTM AM CoE Snapshot Workshop .55 CEU
2024	GSC Project Management Professional (35 Contact Hours) 2.3
2023	ASME TRIZ The Theory of Inventive Problem Solving 2.4 CEU
2023	ASME Overview of QPS (Quality Program for Suppliers) General Industry .10 CEU and Exam 96.6%
2018	ASME Essentials: ASME BPV Code Section III Division 1 2.00 PDH Online 3/23/2018
2018	ASME How to get an N Stamp: Conformity Assessment, Reqs, & Procedures 3.00 PDH 3/13/2018
2018	ASME Essentials: ASME BPV Code Section III Subsection NCA 2.00 PDH Online 3/11/2018
2018	ASME Execution: How to get Results 1.50 PDH Online 3/05/2018
2018	ASME Introduction to Additive Manufacturing 1.50 PDH Online 3/04/2018
2018	ASME Technical Writing for Engineers 4.00 PDH Online 3/02/2018
2018	ASME Creating Effective Technical Presentations 2.00 PDH Online 3/01/2018
2018	ASME Ethics for Engineers 3.00 PDH Online 2/28/2018
2018	ASME Changing Organizational Culture 1.50 PDH Online 2/27/2018
2018	ASME Standards and Certification 2.00 PDH Online 2/26/2018
2017	ASTM Symp on Fatigue & Fracture of Additive Mfg Components 1.0 CEU 11/15-16/17, Atlanta, GA
2015	Piping Failures – Causes and Preventions, 7.50 PDH .75 CEUs, November 6, 2015 Atlanta GA
2011	ASME 2011 Leadership Soft Skills Forum, 3.5 PDH January 2011
2009	ASME Nuclear Power Plant Construction, 14 PDH June 2009
2005	ASQ Certified Quality Engineer 6.5 CEU January 2005
2004	NJMEP Principles of Lean Manufacturing Workshop November 2004
2004	ASQ Certified Quality Manager 4.0 CEU October 2004

2004	ASQ Certified Quality Auditor 3.0 CEU June 2004
2004	NiDI Seminar "Corrosion in the Chemical Process Industry: Applications of Nickel Containing Alloys"
2004	X-MET 880 Operator Training Program
2000	Teledyne Radiation Safety Training
1993	Skillpath Total Quality Management Seminar
1993	ASM Principles of Machining Course 5.0 CEU March 1993
1993	ASM Elements of Metallurgy Course 5.0 CEU March 1993
1992	ASQC Sec 0304 Certified Quality Auditing Course
1992	Juran Institute Total Quality Management Seminar 0.6 CEU Mar 1992
1985	Passaic County Community College - Associate Applied Science Degree
1975	DePaul R.C. Regional High School - Diploma

AWARDS

- 2025 ASTM A01 Committee on Steel, Stainless Steel, and Related Alloys Founding Committee Award
- 2025 ASME BPV II Committee on Materials Gold Standard Award
- 2025 ASME Codes & Standards Certificate of Acclamation
For excellence in development of proposed changes to the 2026 NQA Edition in support of the Clear Language Initiative
- 2024 ASME Fellow Grade
- 2020 ASME Bernard F. Langer Nuclear Codes and Standards Award
- 2019 ASTM International Fellow / Award of Merit Committee A01
- 2019 ASME Codes & Standards Certificate of Appreciation (15+ years BPVII and Subgroups)
- 2017 ASME Codes & Standards Certificate of Appreciation (15+ years SGGR-BPVIII)
- 2013 ASME Codes & Standards Certificate of Acclamation
For Outstanding Service to ASME and the Nuclear Industry in the completing of a major technical revision of Section III resulting in the development of Division 5 – High Temperature Reactors published in the 2011 addenda of the ASME BPV Code Section III
- 2011 ASME Codes & Standards Certificate of Acclamation
In testimony of the high regard and appreciation of the Society for valued services in advancing the Engineering profession by the review, acceptance, and incorporation of the 2008 Edition of ASME NQA-1, Quality Assurance Requirements for Nuclear Facilities, into Section III of the ASME BPV Code.
- 2010 ASTM Committee A01 Award of Appreciation
In Recognition of Outstanding Service to Committee A01 as Chair of Subcommittee A01 on Methods of Corrosion Testing
- 2010 ASME Codes & Standards Certificate of Acclamation
For Outstanding Service to ASME and the Nuclear Industry in the Re-write of NCA-3800 Metallic Material Organization's Quality System Program published in the 1992 Edition 1994 Addenda of ASME Section III
- 2009 ASME Codes & Standards Certificate of Recognition for Service (10+ years B16)

PUBLICATIONS

Appleton,, "Microstructure Analysis for the Detection of Intermetallic Phases Predictive of Toughness and Corrosion Resistance in Duplex and Lean Duplex Steels." In STP1607-EB 100 Years of E04 Development of Metallography Standards, ed. G. V. Vander, (pp. 166-182). West Conshohocken, PA: ASTM International, 2019. doi:<https://doi.org/10.1520/STP160720170232>.

ASME UUQSM (NCA 3855.5) vs. CGD

Authors: Annemarie Appleton. Published June 12, 2014

<http://pbadupws.nrc.gov/docs/ML1415/ML14153A175.pdf>

OTHER ENGAGEMENTS

2019-2022	Trustee, Saint Joseph's Health Foundation Board, Paterson, NJ 07503
2018-2021	Director, Mental Health Association in Passaic County Board
2011-2018	Trustee, Saint Joseph's Wayne Hospital Foundation Board, Wayne, NJ 07470
2010-2018	Saint Joseph's Wayne Hospital Foundation Board Charity Ball Gala Committee
2010-2018	Saint Joseph's Wayne Hospital Foundation Board Charity Golf Outing Committee
2010-2022	Chair, Dr. Anthony J. Addeo Nursing Scholarship Committee, St. Joseph's Wayne Hospital
2005-2022	Member, Dr. Anthony J. Addeo Nursing Scholarship Committee, St. Joseph's Wayne Hospital
1992-2008	Director, Greater Community Bank, 55 Union Boulevard, Totowa, NJ 07512



INTERNATIONAL

**Committee A01 on Steel, Stainless Steel
and Related Alloys**

Founding Committee Award

Presented to

Annemarie Appleton

**In recognition of the highest level of leadership
and exemplary contributions to ASTM's Founding
Committee in the development and promotion
of voluntary consensus standards.**

2025

Daniel Janikowski
A01 Chair

Cassandra W. Robinson
Board Chair



The ASME Boiler and Pressure Vessel Committee on Materials

Awards the

2025 ASME BPV II Gold Standard Award

to

Annemarie Appleton
for

Exemplary service to the BPV II Committee on Materials through project management, technical guidance, and diligence in the review of ballots. Ms. Appleton's contributions over the years have been essential to the successful operation of the Committee.

George Galanes
Chair, BPV II Standards Committee

Matteo Ortolani
Vice Chair, BPV II Standards Committee

Colleen Rodrigues
Secretary, BPV II Standards Committee



The Board of Governors has elected

Annemarie Appleton

Fellow

Who is now entitled to all the privileges, granted by the Constitution
of the Society, an organization for promoting the art,
science, and practice of mechanical engineering

March 2024

A handwritten signature in black ink, reading 'Thomas R. Kurfess'.

Thomas Kurfess, P.E.
President



A handwritten signature in black ink, reading 'Thomas Costabile'.

Thomas Costabile, P.E.
Executive Director/CEO



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

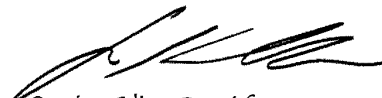
*Bernard F. Langer
Nuclear Codes and Standards Award*

awarded to

Annemarie Appleton

*For contributions to the nuclear power plant industry
through the development and promotion of
ASME Nuclear Codes and Standards*

2020

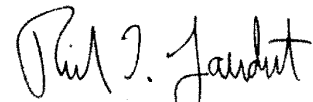


Senior Vice President
Standards and Certification



Chair

Board on Nuclear Codes and Standards



President



Executive Director



Annemarie Appleton

is granted an

AWARD OF MERIT

and the honorary title of

FELLOW

For long term leadership, organization, and dedicated service to Committee A01 on Steel, Stainless Steel and Related Alloys as Chair of Subcommittee A01.14 on Methods of Corrosion Testing, member and contributor to A01.90 Executive Subcommittee, and faithful liaison between A01 and numerous related organizations.

By Action of the Board of Directors

Katharine E. Morgan

PRESIDENT

2019

Wim van der Molen
CHAIRMAN OF THE BOARD



THE
STANDARDS AND CERTIFICATION
BOARD OF DIRECTORS

AWARDS THIS CERTIFICATE OF ACCLAMATION TO

Annemarie Appleton

FOR OUTSTANDING SERVICE TO ASME AND
THE NUCLEAR INDUSTRY IN
THE RE-WRITE OF

NCA-3800

Metallic Material Organization's Quality System Program
published in the
1992 Edition 1994 Addenda of
ASME Section III



A handwritten signature in dark ink, appearing to read 'B.E.H.', is written over a horizontal line.

Bernard E. Hrubala
Sr. Vice President, Standards and Certification

A handwritten signature in dark ink, appearing to read 'Bryan A. Erler', is written over a horizontal line.

Bryan A. Erler, P.E.
Vice President, Nuclear Codes & Standards



The ASME B16 Standards Committee

presents this certificate of appreciation to

Annemarie Appleton

in testimony of the high regard of your committee members
and the deep appreciation of the Society for your valued
services in advancing the engineering profession for

10 Years of Outstanding Service to the
B16 Standards Committee



W B Bedeem
William B. Bedeem
Chair, B16 Standards Comm.

Gay A Jolly
Vice Chair, B16 Standards Comm.

Colleen O'Brien
Colleen O'Brien
Secretary, B16 Standards Comm.



The American Society of Mechanical Engineers
Founded 1880

This Certificate is Awarded to
Annemarie Appleton

For Successful Completion of
Train-the-Trainer

Date Completed: **5/21/2024**

Professional Development Hours

Thomas Costabile P.E.
Executive Director

By issuing this certificate, ASME does not "approve," "accredit," "endorse," "warrant," or "guarantee" any activity, entity, person, organization, or government institution. It is possible that any specific job function or activity or make any determination of an individual's competence or ability to perform a specific task or function within a specific work environment or under specific working conditions.



Arin Ceglia, Managing Director
Learning & Development

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ASME Two Park Avenue, New York, New York 10016



The American Society of Mechanical Engineers Founded 1880

This Certificate is Awarded to
Annemarie Appleton

For Successful Completion of
NQA-1 Part 1 - 18 QA Requirements

Date Completed: **5/21/2024**

4.0 Professional Development Hours

Thomas Costabile

Thomas Costabile P.E.
Executive Director

By issuing this certificate, ASME does not "approve," "certify," "rate," or "endorse" any activity, company, licensee, registrant, or government institution to practice any specific job function or activity or make any determination of an individual's qualifications or competence. ASME's role is to provide a safe and sound working environment or under actual working conditions.



Avin Ceglia

Avin Ceglia, Managing Director
Learning & Development

ASME does not make any determination of an individual's capabilities in applying this general knowledge within a specific work environment or under actual working conditions. Individuals must not make any representations to the public or any other party regarding their qualifications or competence. ASME's role is to provide a safe and sound working environment or under actual working conditions.

ASME Learning & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. As an IACET Accredited Provider, ASME Learning & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.
ASME Two Park Avenue, New York, New York 10016



The American Society of Mechanical Engineers
Founded 1880

This Certificate is Awarded to

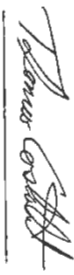
Annemarie Appleton

For Successful Completion of
Additive Manufacturing Manufacturability: Laser Powder Bed Fusion

Date Completed: **5/18/2024**

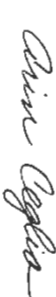
0.40 Continuing Education Units

4.0 Professional Development Hours


Thomas Costabile P.E.
Executive Director

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Arin Ceglie, Managing Director
Learning & Development

ASME does not make any determination of an individual's capability to perform a specific task or activity. ASME's role is to provide a professional development environment or under actual working conditions. ASME is not responsible for the accuracy, reliability, or completeness of any information or data provided by any individual or organization. ASME's role is to provide a professional development environment or under actual working conditions.

ASME Learning & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. As an IACET Accredited Provider, ASME Learning & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.
ASME Two Park Avenue, New York, New York 10016

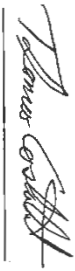


The American Society of Mechanical Engineers
Founded 1880

This Certificate is Awarded to
Annemarie Appleton

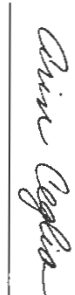
For Successful Completion of
Design for Additive Manufacturing with Metals

Date Completed: **5/17/2024**
1.00 Continuing Education Units
10.0 Professional Development Hours


Thomas Costabile P.E.
Executive Director

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Arin Ceglia, Managing Director
Learning & Development

ASME does not make any determination of an individual's capabilities in applying the general knowledge within a specific work environment or under the stated conditions. It is the responsibility of the individual to ensure that the activity is conducted in accordance with the applicable standards and regulations. ASME is not responsible for any work environment or under stated working conditions.

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ASME Two Park Avenue, New York, New York 10016

Katherine E. Morgan

Annemarie Appleton

is awarded 0.55 CEUs for attendance at the:



11th ASTM AM CoE Snapshot Workshop

April 15, 2024

Columbus, OH, USA



Katherine Morgan, President

Khalid Rafi,
Senior Program Development Lead



ASTM International Additive Manufacturing Center of Excellence
CERTIFICATE OF ATTENDANCE

This is to certify that

Annemarie Appleton
has attended the ASTM AM CoE
11th Snapshot Workshop

April 15, 2024

A handwritten signature in black ink, appearing to read "Khalid Raft", written over a horizontal line.

Khalid Raft
ASTM International



第五届国际材料与试验高端论坛

5th International Forum on Testing & Materials (IFTM'2018)

第十九届国际冶金及材料分析测试学术报告会

19th International Conference on Analysis and Testing of
Metallurgical Process & Materials (ICASI' 2018 & CCATM' 2018)

第六届中国能力验证论坛

6th China Proficiency Testing Forum (6th PT)

会议摘要集

Abstracts of conference

2018年10月15-18日
中国·北京 国家会议中心
Beijing China

ASME 标准在美国工业发展中的重要作用

Powers, Labrador, Appleton

(美国机械工程师学会 (ASME))

Important Role of ASME Standards in US Industry Development

Powers, Labrador, Appleton

(American Society of Mechanical Engineers (ASME))

Lauren Powers 简介:

Lauren Powers is a Project Engineering Advisor in ASME's Conformity Assessment Department. She is the Product Manager for the N-Type Certificates, Quality System Certificates for nuclear material owners, and the NQA-1 Program Certification. She has previously served as a staff secretary for ASME's BPV XI Standards Committee, OM Code Committee, QME-1 Standards Committee, and the Board on Nuclear Codes & Standards. Lauren holds a Bachelor of Science in Chemical Engineering from Villanova University and a Master's in Public Administration from Seton Hall University.



JON G. LABRADOR 简介:

Managing Director, Conformity Assessment

Oversight of the development and maintenance of ASME Conformity Assessment's Product Certification, Accreditation and Personnel Certification programs as well as Standards & Certification and Conformity Assessment's Process Management Department responsible for the maintenance and development of S&C Electronic Tools.

ANNEMARIE APPLETON 简介:

Ms. Annemarie Appleton is the President of Alloy Stainless Products Company Inc., a division of Knickerbocker Machine Shop Inc. with locations in Totowa and Fairfield, NJ, USA. Alloy Stainless Products Company has been manufacturing the ASP brand of austenitic, duplex, nickel, and other alloy pipe fittings and specialty components for a world market including chemical processing, paper production, shipbuilding, and power plants, including nuclear facilities, for 75 years.

Ms. Appleton joined ASP in 1981 as inside sales associate and has held several positions including quality control administrator, Nuclear Lead auditor, QC Manager and VP Quality and VP/Manufacturing prior to becoming President and assuming executive management responsibility for the entire company. Prior to joining ASP/KMS in 1981, Ms. Appleton worked at Bard Parker, a division of Becton Dickinson Company, in Lincoln Park, NJ, as contract sales leader, and she also served on the Board of Directors of Greater Community Bank, a publicly held company, for 17 years. She has 35 years of nuclear industry experience.

Ms. Appleton has been actively involved in the ASME Code and Standards, ASTM, and MSS committee and



other industry standards development organizations since 1991. She participates in ASME Boiler and Pressure Vessel Committees II (Materials) and III (Rules for Construction of Nuclear Facility Components. From 2002 to 2012, Ms. Appleton served on the Boards of Directors of MSS - Manufacturer's Standardization Society of the Valve and Fittings Industry, in addition to work on the technical committees. Currently, Ms. Appleton is serving as the chairperson of Subcommittee A01.14 Methods of Corrosion Testing at ASTM Committee A01 on Steel, Stainless Steel, and Related Alloys. She is also the Chairperson of Subgroup Ferrous Specifications of BPV Committee II (Materials).

Ms. Appleton is an expert in numerous areas of ASTM, ASME, and MSS materials specifications and product standards, and Quality System Programs for materials manufacturers and suppliers in process, pressure piping, and pressure vessel materials and piping components, especially in austenitic stainless and high-alloy materials. In particular she has extensive experience with the supply of materials in the commercial nuclear power industry under the requirements of ASME NCA-3800, ASME NQA-1, and the US Nuclear Regulatory Commission Regulations Title 10, Code of Federal Regulations, Appendix B to Part 50 - Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants and Part 21--Reporting of Defects And Noncompliance. For the past 25 years, she has participated and achieved leadership positions in the consensus committees at various standards development organizations with jurisdiction over these specifications and standards.

In 2010, she was awarded the ASME Codes & Standard Certificate of Acclamation for her outstanding service to ASME and the Nuclear Industry in the re-write of NCA 3800 Metallic Material Organization's Quality System Program, the 1992 Edition 1994 Addenda.

增材制造领域全球范围联合标准的制定

Pat A. Picariello

(美国材料与试验协会 (ASTM))

Joint Standards Development in the World of Additive

Pat A. Picariell

(American Society for Testing Materials (ASTM))

Pat A. Picariello 简介:



Pat serves as Director, Developmental Operations for ASTM International, one of the largest voluntary standards development organizations in the world. In his role, he leads a team that coordinates the standardization activities of over 30 ASTM Technical Committees covering a diverse portfolio of global industry sectors including steel, forensic engineering, security systems and equipment, automated guided vehicles, roofing, & cement/concrete.

Pat has worked with a broad cross section of industries to help them come together within ASTM to facilitate their standardization objectives. Among the varied committees Pat has organized are activities in asset management, unmanned systems (air, maritime,

10:10-10:30	2017-2018 年度 CSTM 标准发布 发布人：王海舟院士 2017-2018 CSTM Standards Issuance Issuer: Wang Haizhou Academician of Chinese Academy of Engineering
主持人：毛新平 院士 The Host : Mao Xinping Academician of Chinese Academy of Engineering	
10:30-11:00	报告题目：国际标准体系 报告人：张晓刚 原 ISO 主席 Plenary report: International Standards System Speaker: Zhang Xiaogang Former Chairman of International Organization for Standardization (ISO)
11:00-11:30	报告题目：质量基础设施 报告人：肖建华 国际认可论坛主席 Plenary report: Quality Infrastructure Speaker: Xiao Jianhua Chairman of International Accreditation Forum(IAF)
11:30-12:00	报告题目：CSTM 标准体系建设 报告人：王臣 CSTM 材料试验技术联盟 理事长 Plenary report: Development of CSTM Standards system Speaker: Wang Chen President of Chinese Society for Testing & Materials(CSTM)
主持人：我妻和明 日本东北大学 国际钢铁工业分析委员会 副主席 The Host : Kazuaki Wagatsuma Deputy Chairman of International Committee of Analysis in Steel and Iron Industry(ICASI)	
13:30-14:00	报告题目：核电用材料评价体系 报告人：Annemarie Appleton 美国机械工程师协会教授 Plenary report: Evaluation system of materials for nuclear power Speaker: Annemarie Appleton Professor of American Society of Mechanical Engineers (ASME)
14:00-14:30	报告题目：生命周期工程技术在流程工业及产品中的应用 报告人：聂祚仁 中国工程院院士 Plenary report: Application of life cycle engineering in process industries and products Speaker: Nie Zuoren Academician of Chinese Academy of Engineering

报告日程安排

REPORTS SCHEDULE

标准分论坛-标准与制造业变革论坛 Sub-forum on Standards : Standard and Manufacturing Revolution 地点： 多功能厅 A Venue: Function Hall A					
10月17日 8:30-11:40 (Oct. 17 th) 8:30-11:40			主持人：张晓刚 前 ISO 主席 孙冬柏 中山大学常务副校长 Chairperson: ZHANG Xiaogang Former ISO Chairperson SUN DongBai Executive Vice President of Yat-Sen University		
序号 No.	时间 Time	题目 Title	报告人 Speaker	国家 Country	单位 Organization
1	08:30 -9:10	欧洲标准化对新兴工业挑战 的战略支撑作用 European standardization as a strategic support for the new industry challenges	Francisco Verdera	西班牙 Spain	原 CEN & CENELEC 战略合作者 主席 Former Director Strategic Partnerships in CEN and CENELEC, and not only as CEN
2	9:10-9:50	ASME 标准在美国工业发展 中的重要作用 Important Role of ASME Standards in US Industry Development	Powers, Labrador, Appleton	美国 USA	美国机械工程师学会 American Society of Mechanical Engineers (ASME)
3	9:50-10:30	建材领域变革与标准化— CSTM团体标准建设 Transformation and standardization of building materials --- CSTM Association Standards Construction	姚燕 Yao Yan	中国 China	中国建筑材料科学 研究院院长、教授级 高级工程师 President of China Building Materials Academy
4	10:30-11:10	ASTM 报告：增材制造领域 全球范围联合标准的制定 Joint Standards Development in the World of Additive Manufacturing	Picariello Pat A.	美国 USA	ASTM 国际标准化组 织 开发运营部主任 ASTM International Director , Developmental Operations
5	11:10-11:40	核电材料长期服役腐蚀损伤 评价标准的建立 Development of evaluation methods for metallurgical materials in high temperature and high pressure water for nuclear power plant	韩恩厚 Han Enhon	中国 China	中国科学院金属 研究所 Institute of Metal Research, Chinese Academy of Sciences
午餐 & 展会参观 Lunch & Exhibition Visiting					



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Essentials - BPV Code, Section III, Division 1: Rules for Construction of Nuclear Facility Components

Date Completed: **3/23/2018**
2.00 Professional Development Hours


Paul W. Hansen
Director, Engineering & Development




Ann Crisp
Director, Learning & Development



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
How to Get an N Stamp - Conformity Assessment, Requirements and Procedures
Date Completed: **3/13/2018**
3.00 Professional Development Hours

Paul A. Hinkle
Paul A. Hinkle
Executive Education Director



Tommy E. Appleton
Tommy E. Appleton
Director Learning & Development



ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Essentials - ASME BPV Code Section III: Subsection NCA

Date Completed: **3/11/2018**
2.00 Professional Development Hours


Paul W. Stauden
Executive Director




Annemarie Appleton
Director, Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Execution: How to Get Results

Date Completed: **3/5/2018**
1.50 Professional Development Hours


Paul W. Hunsicker
ASME Executive Director




Annemarie Appleton
Director, Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Introduction to Additive Manufacturing

Date Completed: **3/4/2018**
1.50 Professional Development Hours


Paul W. Henshaw
Executive Director




Ann Crigler
Director, Learning & Development



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Technical Writing for Engineers: Giving Readers What They Need

Date Completed: **3/2/2018**
4.00 Professional Development Hours


Kay E. Hamilton
Executive Director




Ann Appleton
Director, Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Creating Effective Technical Presentations

Date Completed: **3/1/2018**
2.00 Professional Development Hours


Paul A. Henshaw
IACET Executive Director




Annemarie Appleton
Director, Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Ethics for Engineers: Doing the Right Thing When No One is Looking

Date Completed: **2/28/2018**
3.00 Professional Development Hours


Paul W. Hamilton
Manager, Learning & Development




Ann Appleton
Director, Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
Changing Organizational Culture

Date Completed: **2/27/2018**
1.50 Professional Development Hours


Paul W. Hamilton
ASME Executive Director




Ann Engle
Director Learning & Development



ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.

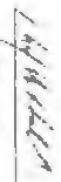


The American Society of Mechanical Engineers
Founded 1880

This certificate is awarded to
Annemarie Appleton

For successful completion of
ASME Standards & Certification

Date Completed: **2/26/2018**
2.00 Professional Development Hours


Paul D. VandeBurg
Interim Executive Director




Annemarie Appleton
Director Learning & Development

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.
As an IACET Accredited Provider, ASME Training & Development offers CEUs for its programs that qualify under the ANSI/IACET Standard.



Annemarie Appleton

is awarded 1.0 CEUs for attendance at the:

Symposium on Fatigue and Fracture of Additive
Manufactured Materials and Components

November 15-16, 2017
Atlanta, GA, USA



Katherine E Morgan

Katherine Morgan, President

Kelly M Dennison

Kelly Dennison, Symposia Manager



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 4, 2014

Annemarie Appleton, Vice-President
Manufacturing & Quality
Knickerbocker Machine Shop Inc.
Alloy Stainless Products Company
611 Union Boulevard
Totowa, NJ 07512

SUBJECT: INVITATION TO PARTICIPATE IN THE NUCLEAR REGULATORY COMMISSION
WORKSHOP ON VENDOR OVERSIGHT

Dear Ms. Appleton:

Consistent with our previous communication, we would like to formally thank you for volunteering to be a speaker for the session on "American Society of Mechanical Engineers (ASME) Material Upgrade (NCA 3855.5) v/s Commercial Grade Dedication," during the Nuclear Regulatory Commission (NRC) Workshop on Vendor Oversight, sponsored by the Office of New Reactors. The workshop will be held Thursday, June 12, 2014, at the Portland Marriott Downtown Waterfront, 1401 SW Naito Parkway, Portland, OR 97201, Telephone: 503-226-7600. Further information on the workshop can be found on the NRC workshop on Vendor Oversight website at:

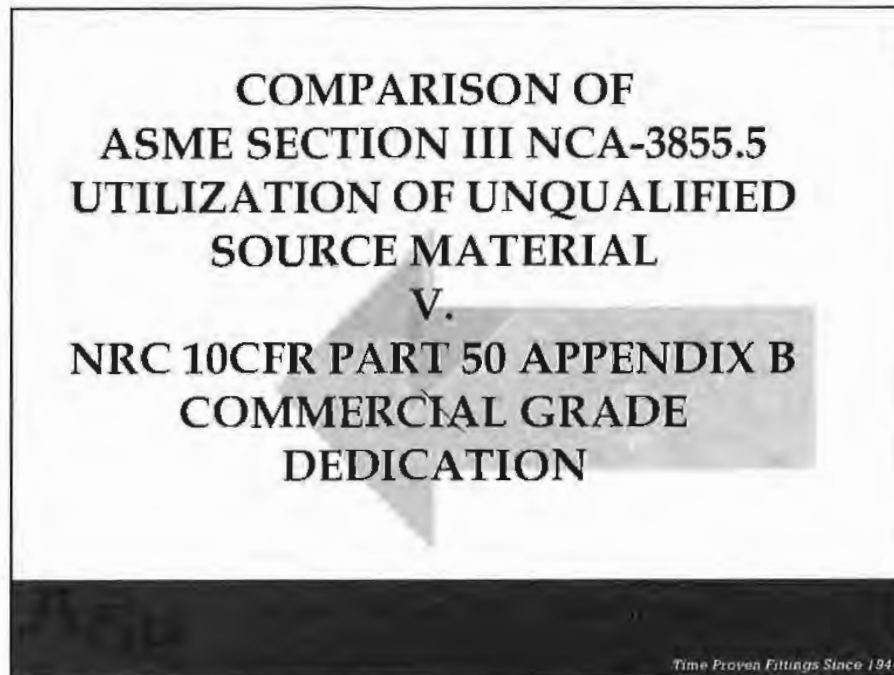
<http://www.nrc.gov/reactors/new-reactors/oversight/quality-assurance/vendor-oversight.html>

We appreciate your willingness to develop a 45-minute presentation on ASME Material Upgrade (NCA 3855.5) v/s Commercial Grade Dedication. The time allocated for this session will be shared between you and Mr. Douglas Vickery, representative and speaker for Dubose National Energy Services Inc. Please contact Raju Patel at 301-415-3511 or raju.patel@nrc.gov regarding further information on this subject. We request that your presentation materials be submitted to the NRC for their inclusion on the workshop website no later than May 2, 2014.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward H. Roach".

Edward H. Roach, Chief
Mechanical Vendor Inspection Branch
Division of Construction Inspection
and Operational Programs
Office of New Reactors



Introduction & Background.

Discussion of differences and similarities between the two systems for the supply of metallic materials.

There are numerous areas where the two systems actually overlap, and others where they seem to diverge, but it is important to really dissect the terminology, to find that there is more similarity under the surface.



The Santa Clara Valley Section
& District D Awards
3 Professional Development Hours to:

Annemarie Appleton

Leadership Soft Skills Forum 2011

“Accepting the Leadership Challenge: Tools for your Career in the 21st Century”

Presented on January 29, 2011

Attended by Webinar

Scott Burr

Professional Development Chair,
SCVS & District D

Annis Shalk

Chair SCVS



The American Society of Mechanical Engineers

Founded 1880

THIS CERTIFICATE IS AWARDED TO

Annemarie Appleton

FOR SUCCESSFUL COMPLETION OF

Nuclear Power Plant Construction

June 22-23, 2009

Atlanta, GA

14 PDHs



Harmon E. Miller
Chair, Board of Directors
Continuing Education Institute

[Signature]
Director
Continuing Education Institute



Annemarie Appleton

HAS PARTICIPATED IN AND COMPLETED

Certified Quality Engineer

ASQ'S FOUNDATIONS IN
QUALITY LEARNING SERIES

GIVEN ON

January 28, 2005

AND HAS BEEN AWARDED

6.50

CONTINUING EDUCATION UNITS (CEU)

Brian J. Lehouillier
Managing Director

Certificate of Completion



ASQ

AMERICAN SOCIETY
FOR QUALITY™

Certificate of Completion

Annemarie Appleton

HAS PARTICIPATED IN AND COMPLETED

Certified Quality Manager

ASQ'S FOUNDATIONS IN
QUALITY LEARNING SERIES

GIVEN ON

October 06, 2004

AND HAS BEEN AWARDED

4.00

CONTINUING EDUCATION UNITS (CEU)

Brian J. LeHouillier
Managing Director

CUSTOMER TRAINING

Thermo Scientific Niton XRF Analyzer Operator's Training Certificate

This is to certify that

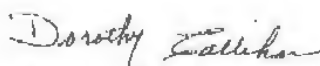
Ann Marie Appleton

has successfully completed the Thermo Fisher Scientific Niton XRF Analyzer Operational Training Course. The topics of this course include device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance of the Thermo Scientific Niton XRF Analyzer.

Course date: 2009 January 30

Location: Totowa, NJ

Certificate Number: 16:310033000000EwBql



Dorothy Callihan
Operational Training Coordinator



William Radosevich
Director of Customer Training

Metro New York - New Jersey ASM Chapter

A 5 Star Chapter

MEI COURSE

METRO NEW YORK – NEW JERSEY CHAPTER Offers ASM International MATERIALS EDUCATION INSTITUTE (MEI) COURSE

Wear and Corrosion of Metals and Alloys

ASM International Offers One-Day Course;

“Wear and Corrosion of Metals and Alloys”

The ASM International is offering a one-day course entitled, “Wear and Corrosion of Metals and Alloys”. It will be given on November 5, 2005 in ~~Room 104 of the Short Hills National Mall in Short Hills, NJ~~. There is ample free parking available on campus. It will begin at 8:00AM sharp and continue until 1:00PM.

The cost of the course is \$145, with a ten percent discount for advance payment. The price for retirees, unemployed members, and full-time students is \$75, with an additional five percent discount for advance payment.

Interested individuals can register by mailing a check to ASM International, 21 Burnside Drive, Short Hills, NJ 07078.

The course is a distillation of the eleven-lecture course given by Dr. Buck Buchanan at ASM Headquarters in Metals Park. The content of the one-day course is as follows;

Friday, November 04, 2005 America Online: ASPaba

Lecture 1; 8:05AM-9:00AMAM;

Introduction; practical applications of applications requiring control of wear and corrosion; turbines, pumps, valves, shafts, expanders, bearings, gears, structural components.

Lecture 2; 9:05AM-10:00AM;

Mechanisms of wear and corrosion; abrasive wear, adhesive wear (galling), cavitation, erosion, fretting, oxidation, sulfidation, aqueous corrosion, galvanic corrosion, crevice corrosion, intergranular corrosion, stress corrosion.

Lecture 3; 10:05AM-11:00AM

Techniques to reduce wear and corrosion; base alloy selection, surface alloying, overlays.

Lecture 4; 11:05AM-12:00PM

Base alloy selection; composition, hardness, heat treatment, metallurgical considerations, wear and corrosion-resistant materials.

Lecture 5; 12:05PM-1:00PM;

Surface alloying; diffusion coatings, case hardening techniques and considerations, spray coatings, vapor coatings, and weld overlays.

Nickel Institute CPI Seminar
Chemical Process Industry
Applications of Nickel Containing Alloys
R. W. Ross, RPE, NACE Corrosion Specialist
Wednesday June 23, 2004
8:30 am – 12:30 pm
Embassy Suites Hotel
Philadelphia Airport
9000 Bertram Avenue
Philadelphia, PA
215-365-4500

Nickel Institute

What is NI?
What are NI's activities?
How can NI help?
Overview of Nickel Industry

Nickel Institute

New Technology Stainless Steels and Nickel Alloys

Technical Seminar Series
Chemical Process Industry

Nickel Institute

Basics of Corrosion

Technical Seminar Series
Chemical Process Industry

Nickel Institute

Materials Selection For Systems Handling Water

Technical Seminar Series
Chemical Process Industry

Nickel Institute

Corrosion by Specific Chemicals

Technical Seminar Series
Chemical Process Industry

Nickel Institute

Materials Selection for High Temperatures

Technical Seminar Series
Chemical Process Industry

Nickel Institute

Guidelines for Welding Nickel-containing Alloys

Technical Seminar Series
Chemical Process Industry

Certificate of Completion

This certifies that

Annemarie Appleton

has successfully completed the Principles of Lean
Manufacturing Workshop

MEP
Aligned with NIST / MEP

**NEW JERSEY MANUFACTURING
EXTENSION PROGRAM, INC.**

Instructor

James T. Moore

Date

11-17-04

Hands-on Help for Manufacturers

Certificate of
Training

Presented to

AnneMarie Appleton

Of

Alloy Stainless Products Co. Inc.

for having successfully completed the X-MET 880
Operator Training Program on the 4th of March, 2004.


John I.H. Patterson
President

metorex

Certificate of Training

*Teledyne Brown Engineering - Environmental
Services certifies that*

Annemarie Appleton

*has successfully completed Radiation Safety
Training as required by N.J.A.C. 7:28-2.3*

Instructor: *Jeffrey M. Guenther* Date: September 26, 2000
JEFFREY GUENTHER

CERTIFICATE of COMPLETION

awarding .6 CEU's (or 6 credit hours) to the below signed attendee, according to the guidelines set forth by the National Task Force on the Continuing Education Unit, for attending and participating in



Total Quality Management

Annemarie Appleton

Signature of Seminar Participant

Denise M. Dudley
Denise M. Dudley, Ph.D.
Executive Vice President

March 30, 1993

Date

Jerry L. Brown
Jerry L. Brown
President

SkillPath, Inc., 6900 Squibb Road, Suite 300, Mission, Kansas 66202

Materials Engineering Institute



The Materials
Information Society

This certifies that

Annemarie Appleton

has satisfactorily completed the Metallurgical Course entitled
Elements of Metallurgy

under the direction of Materials Engineering Institute, of
ASM International, and in testimony thereof has been awarded this

CERTIFICATE and 5

CONTINUING EDUCATION UNITS (CEU)

this *17th* day of *March*, 19 *93*

under the seal of
ASM International

President

Edward W. Lott

at Materials Park, Ohio

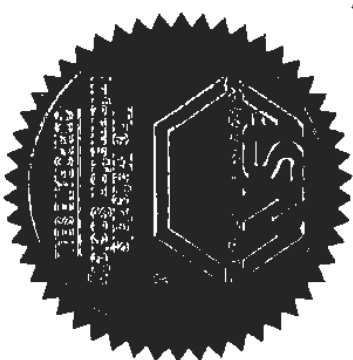
Issued by
MATERIALS ENGINEERING INSTITUTE

Managing Director

E. J. Lott

Director

Barney W. Almond





Course 1

ELEMENTS OF METALLURGY

Lesson Number and Title

1. Atoms, Molecules, & Crystals
2. The Physics and Chemistry of Metals
3. Chemical Equilibrium, Heat, & Temperature
4. Elements of Extractive Metallurgy
5. Metal Refining
6. due to reorganization of lessons, no #6 at this time [material is contained in other lessons]
7. Solid Solutions
8. due to reorganization of lessons, no #8 at this time [material is contained in other lessons]
9. Solidification of Metals
10. due to reorganization of lessons, no #10 at this time [material is contained in other lessons]
11. Heat Treatment of Steel
12. Precipitation Hardening
13. Diffusion and Surface Treatments
14. Methods of Forming Metals
15. Mechanical Testing of Metals

Elements of Metallurgy is currently under revision. Please contact ASM's Education Department if you have any questions.

ASM International®
MATERIALS ENGINEERING INSTITUTE
MATERIALS PARK, OHIO 44073

Materials Engineering Institute



The Materials
Information Society

This certifies that

Annenmarie Appleton
has satisfactorily completed the Metallurgical Course entitled
Principles of Machining
under the direction of Materials Engineering Institute, of
ASM International, and in testimony thereof has been awarded this

CERTIFICATE and 5

CONTINUING EDUCATION UNITS (CEU)

this *1st* day of *March*, 19 *93*

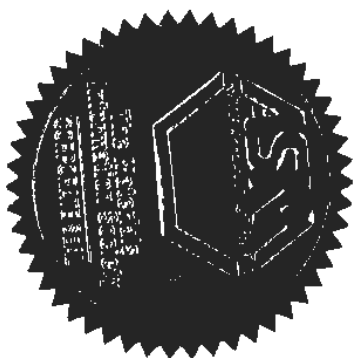
under the seal of
ASM International

Edward H. Ketter
President

at Materials Park, Ohio
Issued by
MATERIALS ENGINEERING INSTITUTE

E. J. Joerges
Managing Director

Robert M. Altmann
Director



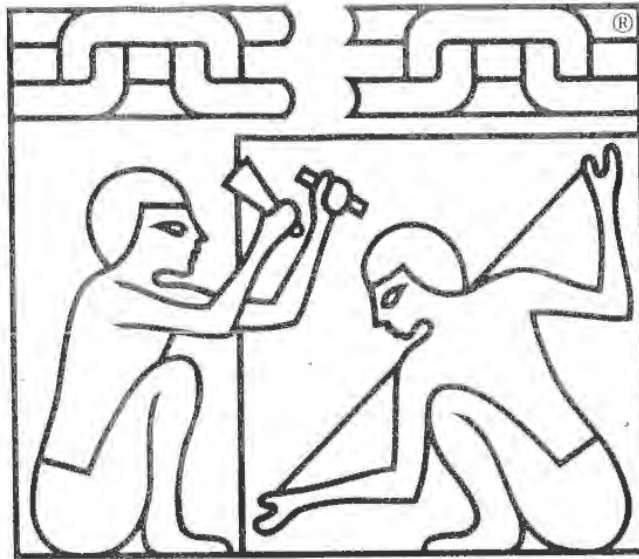


Course 8

PRINCIPLES OF MACHINING

Lesson Number and Title

1. The Machine Tool
2. What Happens When Metal is Cut
3. Effects of the Cutting Process
4. Cutting Tools
5. Force, Work, and Power in Machining
6. Tool Life-Measurement and Control
7. Machinability of Metals
8. Machinability Versus Microstructure
9. The Economics of Machining
10. Cutting Fluids
11. Surface Quality
12. Turning
13. Milling
14. Drilling
15. Grinding



This is to certify that

Annemarie Appleton

has satisfactorily completed the course

JURAN INSTITUTE

**TOTAL QUALITY
MANAGEMENT**

What Everyone Needs to Know

and is awarded .6 Continuing Education Units

Instructor

Instructor

20 March 1992

Date

CERTIFICATE OF RECOGNITION

AWARDED TO

Annemarie Appleton

For Twenty Years of Loyal Service



Awarded this 15th day of May, 2012


John V. Ballun
President


Robert O'Neill
Executive Director

Certificate of Recognition

P R E S E N T E D T O

Annemarie Appleton

for

15 Consecutive Years
of ASQ Membership

A S R E C O G N I Z E D O N M A Y 1 , 2 0 0 6



Jerry Mairani
Jerry Mairani, President

Daniel Duhon
Daniel Duhon, Chairman of the Board



METRO NEW YORK - NEW JERSEY CHAPTER
ASM INTERNATIONAL
(Formerly American Society for Metals)

In reply refer to
Harry E. Lunt, P.E.
13 Brockden Drive
Mendham, NJ 07945
Phone/Fax: 973-543-2229

April 6, 2006

Ms. Annemarie Appleton
Alloy Stainless Products
611 Union Blvd
Totowa, NJ 07512-2402

Reference: **15 Year Award**

For your 15 years of membership in the Society, ASM International has issued an award. The Metro New York-New Jersey Chapter would like to present the award to you at its meeting on Tuesday, April 11, 2006 at L'Affaire, 1099 Route 22 East, Mountainside, New Jersey.

The dinner is on us! I hope you can join us.

Very truly yours,

A handwritten signature in cursive script that reads "Harry E. Lunt". The signature is written in black ink and includes a long horizontal flourish extending to the right.

Harry E. Lunt
Secretary



By making quality a global priority, an organizational imperative, and a personal ethic, the American Society for Quality becomes the community for everyone who seeks quality technology, concepts, and tools to improve themselves and their world.

Danny Duhan, ASQ President

5/26/2005
Date

SENIOR MEMBER

Has met all professional and technical requirements to attain the status of

ANNEMARIE APPLETON

American Society for Quality

Certificate of Completion

Annemarie Appleton

HAS PARTICIPATED IN AND COMPLETED

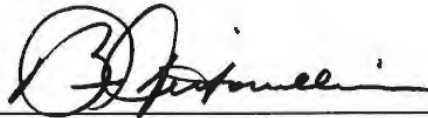
**ASQ's Foundations in Quality
SELF-DIRECTED LEARNING SERIES**

Certified Quality Auditor

AND HAS BEEN AWARDED

3

CONTINUING EDUCATION UNITS (CEU)



Brian J. LeHoullier
Director, Programs and Operations

American Society for Quality





American Society
for
Quality Control
North Jersey Section

May 23, 1992
Date

Certificate of Recognition

This is to certify that

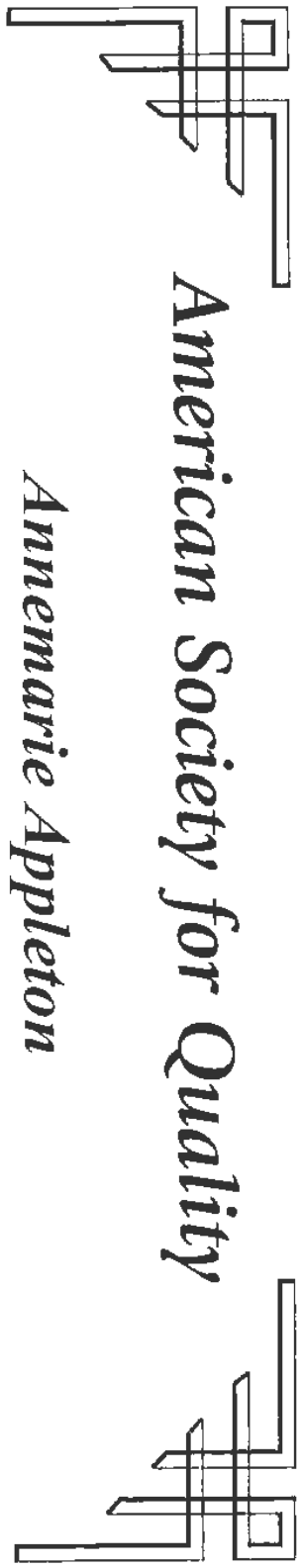
ANNEMARIE APPLETON

*has successfully completed
the course of instruction entitled*

Certified Quality Auditing

Frank J. Bosman
Instructor

William D. Bosman
Chairman, Education Program



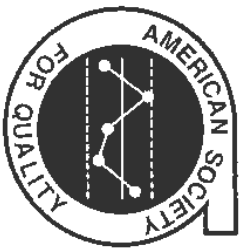
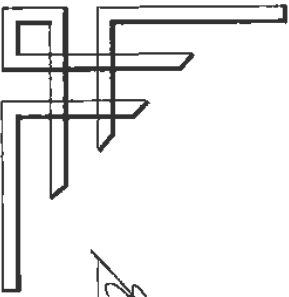
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Auditing

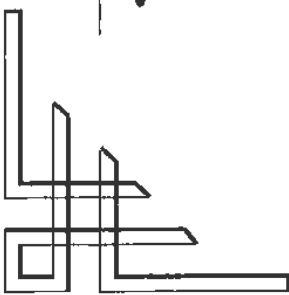
and is, therefore, certified by the Society as a

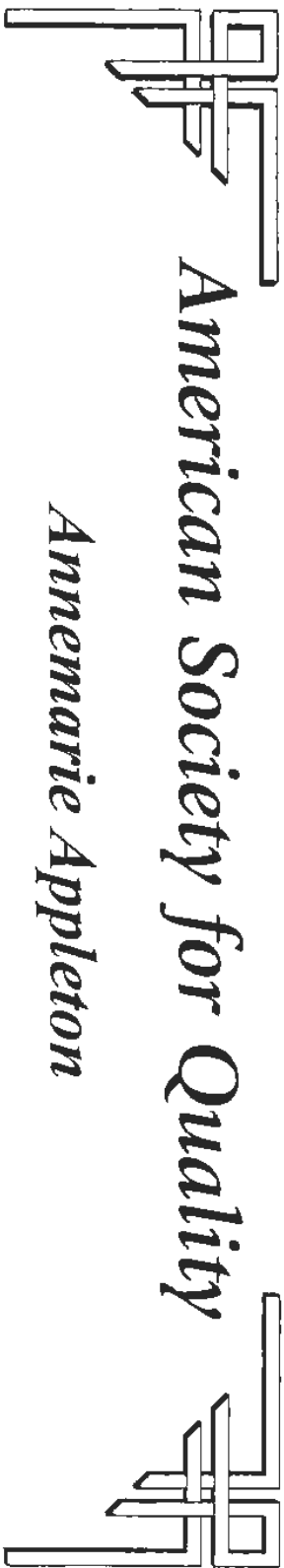
Quality Auditor

Certification Number 30469
Certification Date 6/5/2004
Recertify By 12/31/2010



-11/10 -1/10
President





Annemarie Appleton

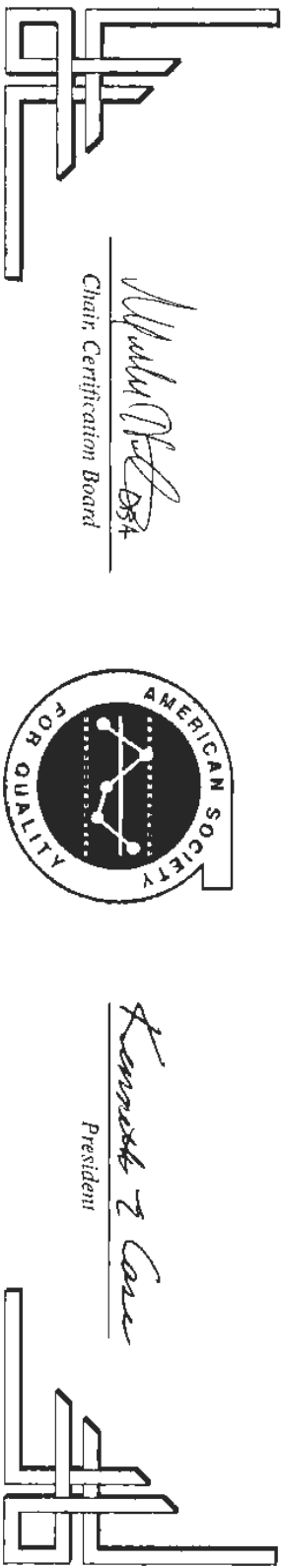
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Auditing

and is, therefore, certified by the Society as a

Quality Auditor

Certificate Number 30469
Certification Date 06/05/04
Recertify By 06/30/07





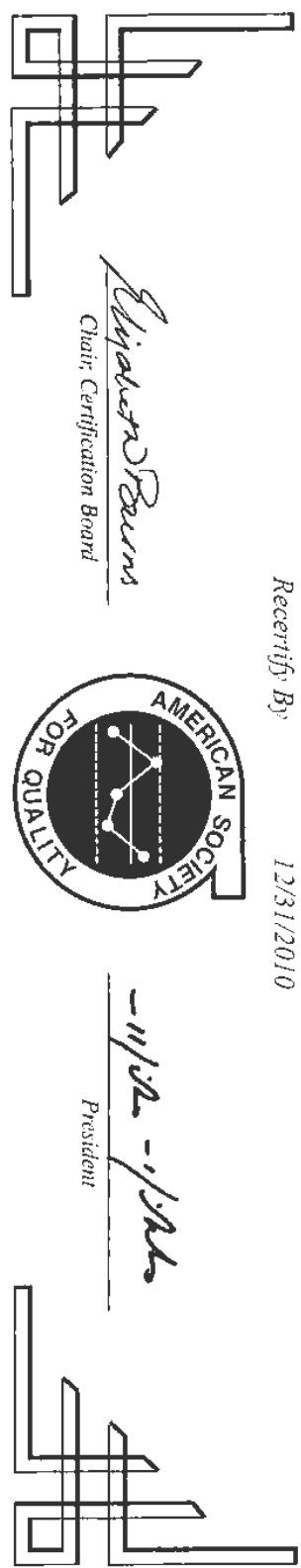
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

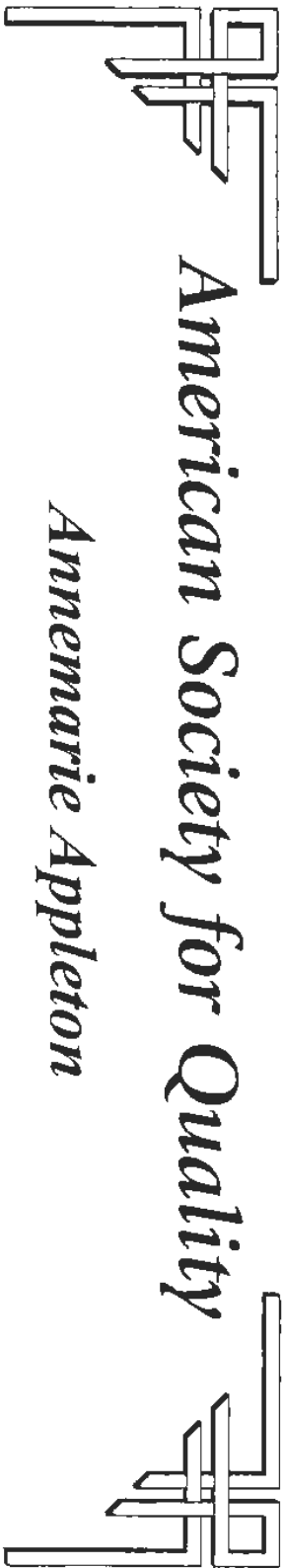
Quality Auditing

and is, therefore, certified by the Society as a

Quality Auditor

Certification Number 30469
Certification Date 6/5/2004
Recertify By 12/31/2010





Annemarie Appleton

*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

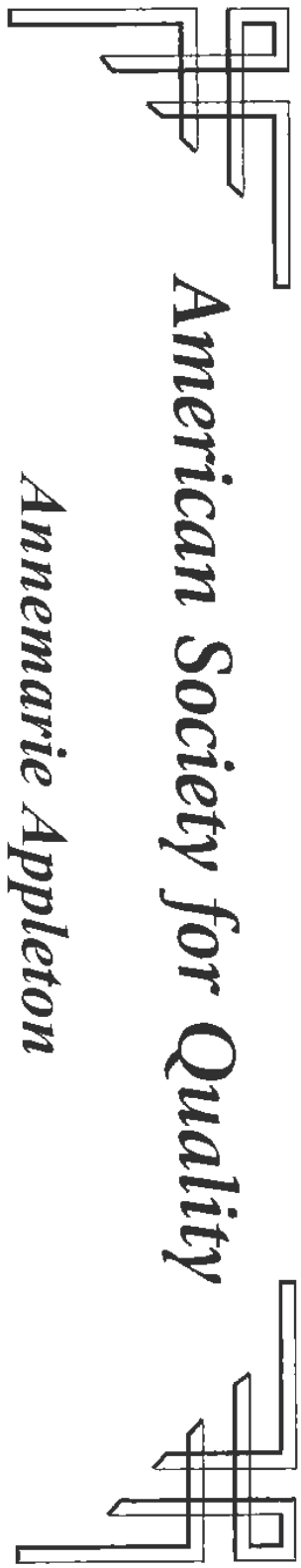
Quality Auditing

and is, therefore, certified by the Society as a

Quality Auditor

Certificate Number 30469
Certification Date 06/05/04
Recertify By 06/30/07





Annemarie Appleton

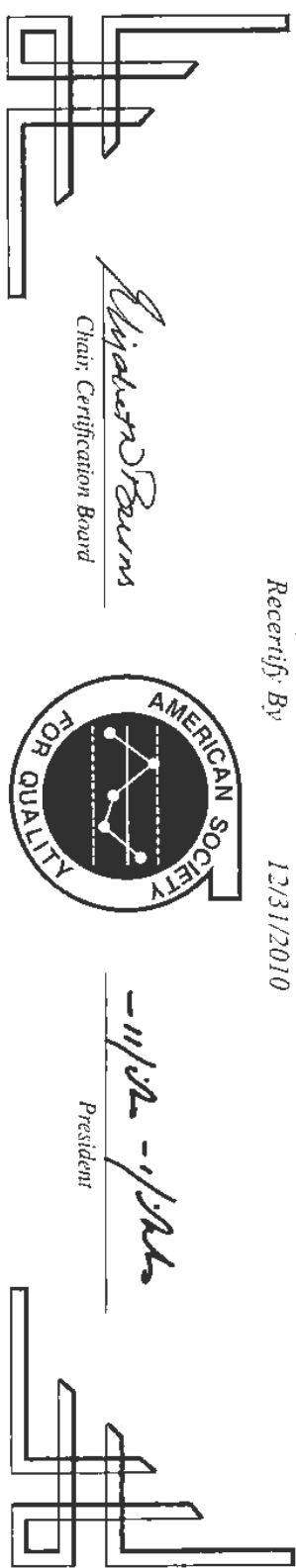
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

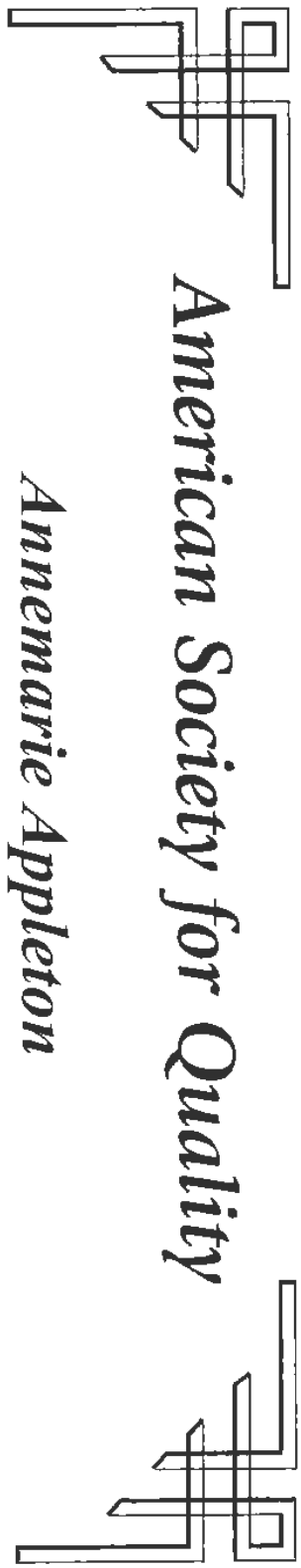
Quality Engineering

and is, therefore, certified by the Society as a

Quality Engineer

Certification Number 46754
Certification Date 12/4/2004
Recertify By 12/31/2010





Annemarie Appleton

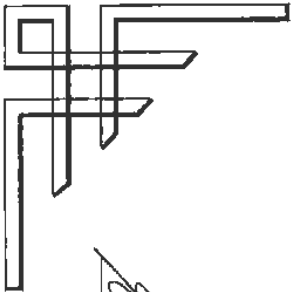
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Engineering

and is, therefore, certified by the Society as a

Quality Engineer

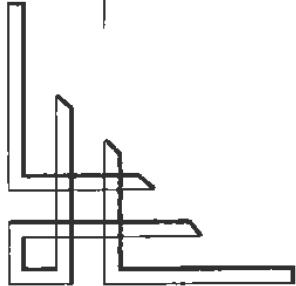
Certification Number 46754
Certification Date 12/4/2004
Recertify By 12/31/2010

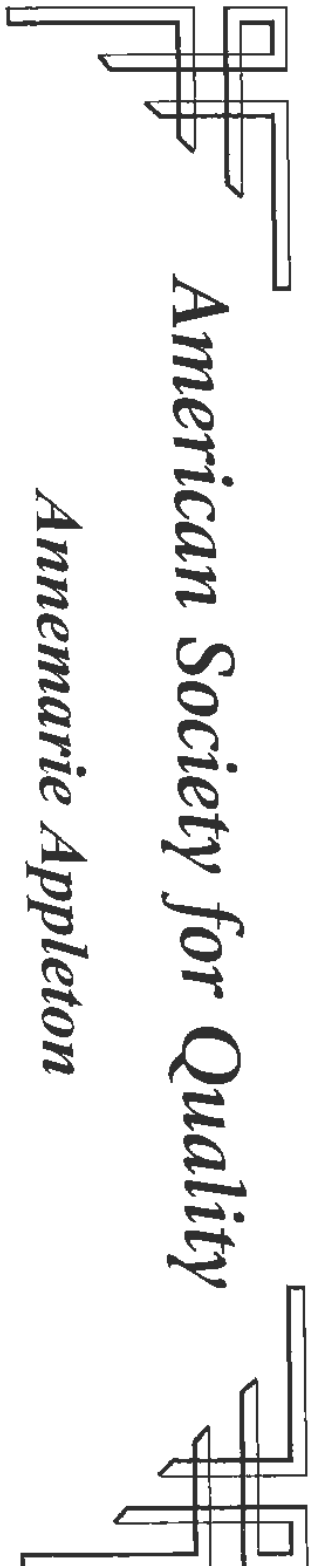


Christy Burns
Chair, Certification Board



-11/12 -1/12
President





Annemarie Appleton

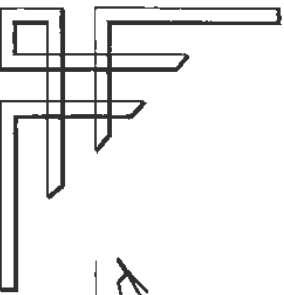
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Engineering

and is, therefore, certified by the Society as a

Quality Engineer

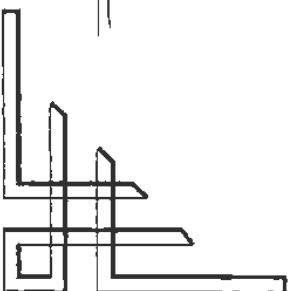
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Recertify By 12/31/2007

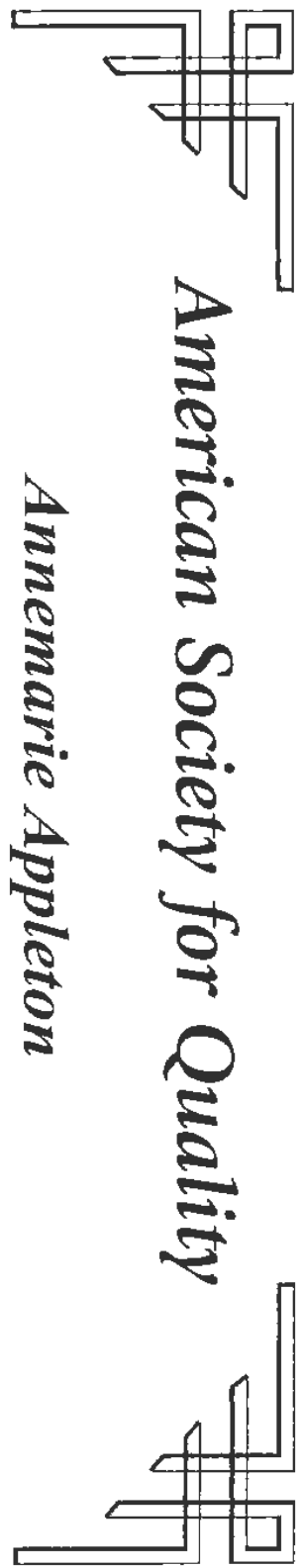


Katherine Lynn
Chair, Certification Board



David M. Appleton
President





Annemarie Appleton

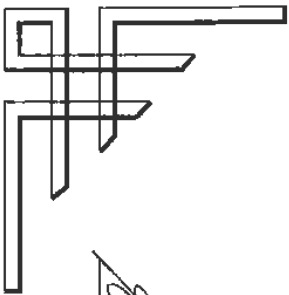
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Management

and is, therefore, certified by the Society as a

Manager of Quality/Organizational Excellence

Certification Number 8430
Certification Date 10/16/2004
Recertify By 12/31/2010



Clayton Burns
Chair, Certification Board



-11/12 -1/12
President





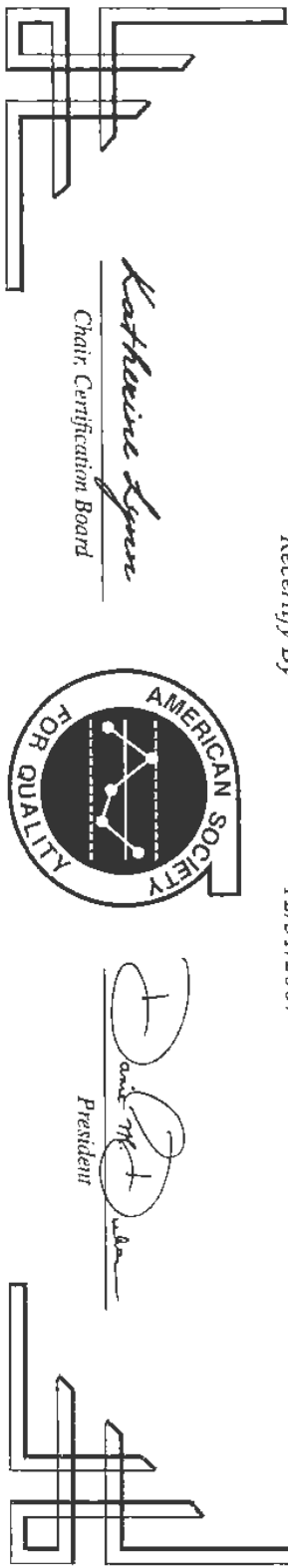
*has satisfactorily fulfilled the requirements established
by the Society for professional attainment in*

Quality Management

and is, therefore, certified by the Society as a

Quality Manager

Certification Number 8430
Certification Date 10/16/2004
Recertify By 12/31/2007



American Society for Quality Control

Annemarie Appleton

has satisfactorily fulfilled the requirements established by the Society for professional attainment in

QUALITY AUDITING

and is, therefore, certified by the Society as a

QUALITY AUDITOR



Certificate Number 3052
 Certification Date 6/6/92
 Recertify By 6/30/95

Therese A. Knigh
 Chair, Certification Committee

AV Crane
 President

Passaic County Community College

Upon recommendation of the Faculty and by the authority of the Board of Trustees granted by the State of New Jersey hereby confers the degree of

Associate in Applied Science upon

Annemarie Buckley

together with all the rights, privileges and obligations thereunto appertaining.

In Testimony Whereof, we do herewith affix our signatures and the seal of the College.

Given in the City of Paterson in the State of New Jersey,

the thirty-first day of December, nineteen hundred and eighty-five.

Chairman, Board of Trustees



President of the College

Dean of Academic Affairs

ASP/KMS LEAD AUDITOR EXAMINATION

SIGNATURE OF EXAMINEE: *James Appleton* DATE: 5/7/96

CIRCLE THE LETTER OF THE APPROPRIATE RESPONSE(S) FOR THE RESPECTIVE QUESTION.

1. THE BASIC REASON FOR AN AUDIT IS TO:
A. COMPLETE AN AUDIT REPORT
B. DETERMINE IF A CONTROL SYSTEM IS IN PLACE
C. SUGGEST IMPROVEMENTS TO YOUR SUPPLIERS
D. DETERMINE IF THE CONTROL SYSTEM IS IN EFFECT
☒ E. B AND D ARE CORRECT
2. THE PURPOSE OF A QUALITY AUDITING PROGRAM IS TO:
A. PROVIDE MANAGEMENT OBJECTIVE FEEDBACK
B. IDENTIFY PROBLEMS EARLY
C. DETERMINE IF WRITTEN PROCEDURES ARE BEING UTILIZED
☒ D. ALL OF THE ABOVE
3. THE DURATION OF AN AUDIT USUALLY DEPENDS UPON THE:
☒ A. SCOPE OF THE AUDIT
B. MONETARY VALUE OF THE AUDITEE
C. DETAIL IN THE AUDITEE'S QUALITY MANUAL
D. TIME OFFERED BY THE AUDITEE
4. CHECKLISTS MAY COVER THE FOLLOWING AREAS FOR A SYSTEM AUDIT, (CIRCLE ALL THAT APPLY):
-a-2 ☒ A. DESIGN SYSTEMS
☒ B. PROCESS CAPABILITY
☒ C. QUALITY POLICIES
☒ D. INSPECTION PROCEDURES
☒ E. CALIBRATION SYSTEMS
5. AUDIT CHECKLISTS ARE NORMALLY FILLED IN BY THE:
☒ A. AUDITOR(S)
B. AUDITEE
C. AUDITOR AND AUDITEE
D. AUDITEE ONLY AFTER APPROVAL FROM THE AUDITOR(S)
6. ITEMS NORMALLY REVIEWED IN THE OPENING AUDIT MEETING BY THE AUDITOR INCLUDE THE:
A. AUDIT PURPOSE
B. ANTICIPATED DURATION OF THE AUDIT
C. SCOPE OF THE AUDIT
☒ D. ALL OF THE ABOVE
7. FULFILLMENT OF A REQUIREMENT IS SUBSTANTIATED BY:
A. A QUALITY PROGRAM
B. THE WORD OF THE AUDITEE
☒ C. OBJECTIVE EVIDENCE
D. A DOCUMENTED PROCEDURE

SIGNATURE OF EXAMINEE: Annemarie Apperson DATE: 5/7/96

8. A CONCLUSION (USUALLY NEGATIVE IN NATURE) BASED ON OBSERVATIONS MADE DURING AN AUDIT IS REFERRED TO AS:
- A. OBJECTIVE EVIDENCE
 - ☒ B. A FINDING
 - C. A FAULT
 - D. ALL OF THE ABOVE
9. CORRECTIVE ACTION REQUESTS ARE:
- A. LEFT UP TO THE AUDITEE'S DISCRETION TO ANSWER
 - B. NOT REVIEWED BY THE AUDITOR OR AUDITEE
 - ☒ C. FORMAL REQUESTS FOR AUDITEE ACTION
 - D. INITIATED BY THE AUDITEE
10. INTERNAL AUDITS ARE PERFORMED:
- A. BY PERSONNEL HAVING DIRECT RESPONSIBILITY IN THE AREA BEING AUDITED.
 - ☒ B. BY PERSONNEL NOT HAVING DIRECT RESPONSIBILITY IN THE AREA BEING AUDITED.
 - C. ONLY BY PERSONNEL QUALIFIED AS LEAD AUDITORS
 - D. ONLY BY QUALITY ASSURANCE PERSONNEL

NUMBER OF CORRECT RESPONSES: 9.8 PERCENTAGE CORRECT (SCORE): 98%

X PASS FAIL(<80%)

IN THE EVENT THAT THE EXAMINEE FAILS, THE INDIVIDUAL SHALL BE RETESTED AFTER ONE MONTH. THE EXAMINEE SHALL NOT PERFORM AS A LEAD AUDITOR UNTIL THE EXAMINATION HAS BEEN SUCCESSFULLY COMPLETED.

QUALITY MANAGEMENT REVIEW: Wlad Art. Puyot DATE: 07MAY96