



The next ASQ Boulder Section meeting will be Thurs, April 29th at Covidien Corp / Boulder facility. Tutorial starts at 5:30pm and the main presentation starts at approx 6:30pm. Please see page 3 for more details. There are several new QA related job postings starting on page 12 and going to page 20 of this newsletter.

APRIL CHAIR MESSAGE

For an overview of how quality is currently being conducted and the challenges in Medical Devices, please plan on attending the April 29th Section meeting to be held at the Covidien Corp. / Boulder facility. Our main presenter will be Terry Hilkemeier, VP of Quality. Terry has many years experience in managing quality in the medical devices industry. The tutorial presenter will be Gerry Naugle of the Verify Corp. speaking on the "10 Toughest Aspects of Baldrige".

Note that the tutorial starts at 5:30PM and will be an opportunity to improve your networking. Our section is still offering the \$50 reimbursement for new ASQ members. Please consider inviting a colleague and/or a student to join you at the April 2010 meeting.

A special "Thank you" to Ron Sedlock of the qualitycatalyst Inc., for his outstanding and informative presentation at the March 2010 Section #1313 meeting. Thanks to each of you who attended.

As a reminder, Section 1313 officer slate for next year will be presented at the April meeting held at the Covidien Corp facility in Gunbarrel on Thursday, April 29th. We are still in need of an education chair person to fill the role for the remainder of this fiscal year (until June 30, 2010). This is a prime opportunity to increase your professional network and obtain 1.5 RUs for each year of service. Thank you for considering this!

Local employers are increasing the contact rate at which they are interacting with our section to advertise open positions. Please do check the #1313 Linked In site, as well as the section web site at: www.asq1313.org for updates.

Thank you for your continued support of ASQ Section 1313.

Sincerely,
Rebecca Jessep
ASQ Section 1313 Chair

ASQ'S Customer and Member Center:

E-MAIL: help@asq.org

PHONE: 800-248-1946

FAX: 414-272-1734

USPS ASQ Communications

MAIL: 600 N. Plankinton Ave.
Milwaukee, WI 53201-3005

We suggest that you go to the ASQ National website at: www.asq.org for complete ASQ national news, regional event links, books, courses, yearly certification testing, re-certifications, conferences, ASQ Divisions and on-line membership forms, including member upgrades and what is needed to update your own member profile. And, while you are on the internet, be sure to visit **ASQ Boulder Section website** at: www.asq1313.org

Did You Know? The ASQ Divisions and Sections offer approx. 70 scholarships, some of which go untapped due to a limited number of student applicants.

ASQ National News

World Conference Topics Reflect Issues of Today

While companies in many industries deal with product recalls and many others work through changes brought about by the economic crises, everyone in quality needs to keep with the global economy. Luckily the issues of the day will be given plenty of time at the ASQ World Conference on Quality and Improvement, May 24-26, St. Louis, Mo. More information on featured speakers and conference session presenters, and registration information with a form for download and payment are available at the ASQ main website at: www.asq.org

New! Customize Your World Conference

Agenda Attendees of the ASQ World Conference on Quality and Improvement can take advantage of a new feature called [My Itinerary](#), which allows you to create a custom agenda to track your activities. Schedule sessions before leaving the office and access it on-site with your mobile device. Get started today by reviewing the program at wcqi.asq.org.

continued on page 4

ASQ#1313 Officers & Committee Chairs 2009-10

ASQ Section 1313	Boulder, CO
Title: Chair Name: Rebecca Jessep Phone: 303-587-7067 E-mail : rebeccaessep@hotmail.com	Title: Vice Chair Name: Joe Wojniak Phone: 800-635-5267 E-Mail: joe.wojniak@yahoo.com
Title: Secretary Name: Melinda Schones Phone : 303-359-5531 E-mail: mschones2002@yahoo.com	Title: Treasurer Name: Ewald Schelert Phone: 303-702-9009 E-mail: Schelert@mesanetworks.net
Title: Re-Cert Name: Larry Derouin Phone: 303-431-9287 E-Mail: LWDerouin@comcast.net	Title: Internet & Website Name: Arnold Miller Phone: 303-466-2631 E-Mail: arn_miller@earthlink.net
Title: Publicity and VOC Name: Byron Murray e-mail: byron.murray@yahoo.com	Title: Membership Name: Maggie Brinkel e-mail: mbrinkel@comcast.net
Title: Financial Auditing Name: Wells Lange	Title: Education Chair Name: Gretchen Stewart

Phone: 303-604-6694
wellsolly@comcast.net

Phone: 303-641-1335
 e-mail: stewartgm@qwestoffice.net

Title: Newsletter Editor
 Name: Gerry Naugle
 Phone: 303-591-2830

Title: SMP
 Name: Melody Sands
 Phone: 303-404-2288
 E-mail: melodygsands@mac.com

e-mail gnaugle@earthlink.net

Title: Certification
 Name: Wells Lange
 Phone: 303-604-6694
 E-mail: wellsolly@comcast.net

Title: Programs
 Name: Guy Harris
 Phone: 303-470-7020
 E-Mail: harrisgb@comcast.net

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MBNQA

For info on the Malcolm Baldrige National Quality Award Program, visit www.quality.nist.gov

CPEX

For info on the Colorado Performance Excellence Program (Colorado State quality and business performance program), visit www.coloradoexcellence.org Local contact: Executive Director, Mr. Tom Mauro tmmauro@coloradoexcellence.org (or) at 303-893-2739 Please see **page 11** in this newsletter for the most recent information on upcoming winter 2009 CPEX activities and events. **The Boulder ASQ Section is a sponsor of the CPEX at the Elk Level / Level 1.**

ASQ #1313 Tutorial & Main-Presenters for Upcoming Meetings as of: **April 12th, 2010**

All Boulder Section tutorials start at 5:30pm on the 4th Thurs of each month, except where the date or any other aspect of the meeting is denoted in **bold blue font**.

Thurs, April 29th

Main Presenter: Terry Hilkemeier, VP Quality at Covidien Corp / Boulder

Topic is: **“Medical Quality Challenges”**

ASQ-Boulder Student Night

30-Min Tutorial: Gerry Naugle of Verify Corp. Topic is: **“The 10 Toughest Aspects of Baldrige”**

The meeting site for April and May of 2010 is the Covidien Corp / Boulder facility at: 5920 Longbow Drive, Boulder, CO in Building #2 Meeting is in the Mt. Audubon /Mt. Meeker Room.

Directions to the meeting site: Take Longbow Dr. west from 63rd Street in Gunbarrel. Take 3rd right after Leanin’ Tree Bldg and park at end of drive in front of Bldg 2 In the satellite map below, Longbow Drive enters the picture from the upper-right, north is up.



Please enter through the "Cafeteria" doors where you will be required to check in and will be directed to the meeting room location. If there are questions, please contact Rebecca Jessep, ASQ Section 1313 Chair, at rebecca.jessep@covidien.com or 303-530-6484

May 27th **Main Presenter:** Rebecca Jessep, QE at Covidien Corp / Boulder and Section Chair

Topic is: **“Developing Effective FMEAs”**

30-Min Tutorial: Arnold Miller, Boulder Section Webmaster

Topic is: **“The Responsibility Process”** This tutorial illustrates how people “process” thoughts about avoiding or taking responsibility. Awareness of the process provides a framework for learning by individuals and organizations. It is the first “how to” model for taking and teaching Personal Responsibility – the #1 principle of success.

[ASQ National News , continued from page 1](#)

Two New Certifications Poised for Release

ASQ will be offering new lean and Master Black Belt certifications in the coming months. The lean certification has three levels: bronze certification emphasizes the tactical aspects of lean; silver is based on integration of lean; and the gold focuses on lean's strategic facets. The first administration of the lean certification will be May 23, prior to the ASQ World Conference on Quality and Improvement.

The Master Black Belt certification is currently being finalized by the ASQ Certification Board. Stay tuned to *Friday Fast Facts* for more information regarding these new certifications, and be sure to browse the [current certifications](#) that are offered at the ASQ main website certifications links at www.asq.org

Free ASQ Webinar Explains ISO 9001:2008 Standard

Experts to discuss key changes in standard as transition deadline nears

Milwaukee, Wis., As time runs out for businesses to certify to the new ISO 9001:2008 quality management system standard, ASQ (American Society for Quality) is offering a **free webinar** to help make the transition easier. *ISO 9001:2008 Explained* will be offered **LIVE at 1 p.m. CST/2 p.m. EST, Wednesday, April 21, 2010**. Participants can register at <http://www.asq.org/webinars/iso-9001-2008-explained.html>.

ISO 9001 is used to increase confidence in products and services offered by certified organizations and provide the framework for organizations to evaluate their quality management systems. This standard applies to any size organization—small, medium, or large—and all types of organizations—private or public sector. The 2008 version replaces the year 2000 version currently implemented in 170 countries worldwide. All businesses registered to the ISO 9001:2000 standard must recertify to the ISO 9001:2008 version by November 14, 2010. **Existing certifications to ISO 9001:2000 will be invalid after November 14, 2010**

Topics to be discussed in the ASQ webinar include:

- Overview of the 8 Management Principles
- The ISO 9001 Approach
- Key changes between the 2000 and 2008 versions
- An opportunity for live Q&A

About the Presenters

Presenting the webinar are Charles A. Cianfrani and Jack West, both experts on the topic and authors of the book *ISO 9001:2008 Explained, Third Edition* (ASQ Quality Press.)

[\\$5,000 International ASQ Scholarship Opportunity](#)

The Richard A. Freund International Scholarship is awarded every June to one or more graduate students. The scholarship honors the memory of Richard A. Freund, ASQ past president. He was an ASQ Fellow and Shewhart Medalist and known for his contributions to quality, international goodwill, and tireless scholarship. The application deadline is April 1 and is open to individuals currently enrolled or planning to enroll in a master's or higher degree program. The application deadline is April 1 and is open to individuals currently enrolled or planning to enroll in a master's or higher degree program. [Click here](#) to download an application.

[ASQ Responding to Auto Recalls](#)

With the recent Toyota recalls, the topics of lean manufacturing and quality are getting a lot of press. ASQ is proactively responding to those stories, developing a webinar about the quality aspect of the recalls, and answering media inquiries on the issues. Ron Atkinson, ASQ past president and recently retired 35-year

veteran of the auto industry, talked with a reporter from the *Milwaukee Journal Sentinel* about quality and auto recalls. The ASQ main website at: www.asq.org

Updates to ASQ Recertification Journal

There are changes to the recertification journal categories, including more opportunities for RU credits, and the categories have been better de-fined to make recertifying easier. The 18 RU credit amount remains the same. To order a new journal, call the ASQ Customer Care at: 1-800-248-1946 and ask for item B0525.



Purchase the new ISO 9001:2008 standard today from ASQ!

Have you transitioned to ISO 9001:2008 yet? ASQ is your **official** source for the latest version of the ISO 9001 standard and all your ISO needs. This new standard will replace ANSI/ISO/ASQ 9001:2000 and applies to any size organization—small, medium, or large—and all types of organizations—private or public sector. Because you are an ASQ member, you can take advantage of member pricing!

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- Enhance customer satisfaction
- Meet customer and applicable statutory and regulatory requirements

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Looking for more ISO solutions?

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ASQ Boulder Section News

Boulder Section Annual Picnic

On Sat, August 7th, 2010

Mark your new 2010 calendars for annual family-friendly summer picnic, located at North-Side of Midway Park in Broomfield. Open to all section members and their immediate families for a free catered BB-Q lunch and non-alc beverages. Look for the Girl Scout Shelter building (picture below, on left). It is also the donut-looking object just above the center “Midway Blvd” on this Satellite photo. To RSVP for the picnic (RSVP is needed for catered food qty) or any additional questions on the location, please call Gerry Naugle 303-591-2830 or e-mail to: gnaugle@earthlink.net **prior to 5:00pm on Aug 6th.**



USPS correspondence address for the Boulder ASQ Section is:

ASQ Boulder Section

P.O. Box 21595

Boulder, CO 80308-4595

Note: All education & course registration materials should be sent to Section Education Chair (see page 10)

Boulder Section's Charity Donation Program:

In 2008, the Boulder Section exec board in approved a policy of donating to bonafide local charities of \$100 per calendar quarter. If you have in mind a bonafide local charity, please let a Section officer know about it at any monthly meeting (or) bring to the attention of the entire exec board on via a letter. Enclose any information in an envelope and send it to the section correspondence address (above) or bring with you any information regarding your charity to pass on to, and for review by the exec board at their next meeting. Suggestions for the 3Q and 4Q of 2010 are being accepted at the present time.

Unemployment Program for Membership Available from ASQ

ASQ headquarters is offering resources for members who have encountered job loss. One benefit for those who want to retain their membership, but have difficulty renewing because they are currently unemployed, are discounted membership dues. Participating members receive a discount on their membership renewal based on consecutive years of membership. Currently, membership dues are \$129 for current Full (formerly Regular), Senior, and Fellow members. For more information, and to check out other resources available, visit <http://work.asgquality.org>.

“New Energy” Offers New Quality Opportunities

In February 2008, the ISO Technical Management Board approved the establishment of a new project committee (ISO/PC 242—*Energy Management*) to develop the new ISO Management System Standard for Energy. According to the ISO Web site, “Corporations, supply chain partnerships, utilities, energy service companies, and others are expected to use ISO 50001 as a tool to reduce energy intensity use and carbon emissions in their own facilities (as well as those belonging to their customers or suppliers) and to benchmark their achievements.”

You’ll notice that 20 years passed between Stoner’s public statement and the ISO decision. Of course, quality professionals and systems have been part of the growing industries in the meantime. But, with the ISO activity proving this statement, it has been only in the past few years that quality has entered the mind-set. Perhaps it’s because there are more companies entering the industry on the manufacturing side with new hydrokinetic devices and compact wind turbines. Or, perhaps, it’s because many of the renewable energy “experiments” are working and governments are eager to get the revolution going.

Wind and water energies are currently the most researched and tested of the renewable energies. Wind turbines have been working throughout Europe for years. Hydro technologies are moving away from the dam and onto the “kinetic.” And in the thick of it are quality professionals. Or, rather, quality professionals should be in the thick of it. The years of renewable energy research, testing, and using have produced complex processes needing managing, auditing, and improving.

In terms of hydroelectric power, the world’s largest renewable energy, *ASQ Weekly* has already discussed the need for quality professionals [in infrastructure](#) construction and maintaining of dams. The advantages of hydroelectric energy are many. As stated on [bionomicfuel.com](#), they include: renewable and non-polluting energy sources that do not emit any greenhouse gases or create toxic waste. Accident risks of using hydroelectric energy as an alternative energy source are minimal. The main risk, states the site, “comes in the disturbance of the various ecosystems that would be disturbed by an increase in dams.” Another risk is that dams are costly ventures. Governments have often looked to private investors to get the projects going—and the investors have found that dams are not great investments. Which is why many feel hydrokinetic is the next wave of aquatic energy. Hydrokinetic energy has the benefit of hydroelectric power without the use of a dam. Companies like Hydro Green Energy are creating and testing technologies that would greatly increase the amount of hydropower countries can generate and doing it in a way that is friendlier to the environment (click here for a release about [Hydro Green Energy’s recent study](#)).

The efforts of wind energy are more apparent. Wind turbines tower among the rural lowlands, catching the breeze and storing and converting it to much needed energy. Turbines are also placed in the water to harness that energy while reducing the need to purchase land. Wind is certainly the cleanest of all energy sources. There are no emissions, and while there are disturbances to the ecosystem (birds on land, aquatic life in the water), they have proved less than coal and water energy. The main issues with wind energy are reliability and efficiency: Energy is only harnessed when a wind is blowing. While the wind is generally more reliable than the sun (why solar energy is not viable in many areas), it’s less reliable than our current electrical system. But it’s a growing energy source with more research and resources being spent on it. Gene Cuenot, ASQ Energy and Environmental Division member leader, says,

“There has been a growth in hiring quality professionals that includes supplier quality engineers, NDT testing, and quality management [within the wind energy industry].”

While renewable energies have been around for some time, it appears that now is the time to follow the developments closely. Below are a few resources to keep you up-to-date and investigate possible job opportunities.

Resources

- Bionomicfuel.com—“The seven most prepared countries to use renewable alternative energy”
- [ISO/PC 242-Energy Management](#)
- [National Renewable Energy Laboratory](#)
- [Wind Industry Jobs](#)

ASQ BOULDER SECTION #1313 COURSE DESCRIPTIONS

Revised 03-12-2010

1301 – CERTIFIED QUALITY ENGINEER (CQE) REVIEW

This is a refresher course for those preparing to take the ASQ Certification exam. This course is advanced and intense. The instructor has an excellent text specific to this course, which is provided at no additional cost. It is recommended the student bring a copy of Juran’s Quality Handbook, 5th ed., which can be purchased for about \$135 through ASQ but used copies can often be found for much less on the Internet. The students must bring their own calculator. For additional details or questions, contact the Boulder Section Education Chair, Gretchen Stewart at: stewartgm@qwestoffice.net or 303-641-1335

1302 – CERTIFIED QUALITY AUDITOR (CQA) REVIEW

This is a refresher course for those preparing to take the ASQ Certification exam. This course adds strength and credibility to your auditing experience plus prepares you for taking the ASQ Certification exam. The exam requires that you have some auditing background and you need to meet certain minimum requirements. Each student needs to purchase the latest edition of the CQA Primer published by the Quality Council of Indiana (QCI) prior to the first class (cost is approximately \$65). To order, contact QCI at 1-800-660-4215 or www.qualitycouncil.com. A recommended book to also purchase is Management Audits, 3rd ed. by Allan Sayle, which can also be purchased through QCI at a discount. It may also be found used, for less on the Internet.

1305 – CERTIFIED SOFTWARE QUALITY ENGINEER (CSQE) REVIEW

This is a refresher course to aid in your preparation for taking the ASQ Certification exam. The Certified Software Quality Engineer is a professional who has comprehensive understanding of software quality development and implementation, a thorough understanding of software inspection, testing, verification, and validation, and can implement software development and maintenance processes and methods. The exam requires you have minimum software testing or development experience and you must meet certain minimum requirements. Each student needs to purchase the latest edition of the CSQE Primer published by the Quality Council of Indiana (QCI) prior to the first class (cost is approximately \$70). To order, contact QCI at 1-800-660-4215 or www.qualitycouncil.com. For additional details or questions, contact Education Chair.

1321 – SIX SIGMA SIMPLIFIED

This is an introductory course that will cover the benefits, basic tools, core analysis processes, and success planning for starting a six sigma program. It covers the fundamental concepts for a small to medium size team program and explains the tools for transitioning into a Six Sigma organization. The class has simplified practical applications of improvement processes and data analysis. Course books and other supporting materials are approximately \$27 and are in addition to the course fee. This course is geared toward company leaders of continuous improvement as well as six sigma team members. No prior knowledge of six sigma is required. This is a wonderful class to start the “ideas flowing” for your organizational improvement goals. For additional details or questions, contact the Education Chair.

Spring 2010 ASQ Boulder Section #1313 Course Offerings

Updated 03-12-2010

Course Name	Instructor	Course Fee (1)	Exam Date	ASQ Exam Application Deadline	Course Dates & Times	Course Registration Deadline
Possible for the fall of 2010 #1305 - Certified Software Quality Engineer (CSQE) Review	Arnold Miller 303-466-2631 Location: TBD	\$400/ \$450				

(¹) Course fee for ASQ or other professional society member/non-member. (2) Cost of primers, texts, workbooks, etc. are not included and must be purchased by the student prior the first class. Contact the Boulder Education Chair, **Gretchen Stewart**, (contact information below) for details.

MORE INFORMATION: Summary from Section web page: <http://www.asq1313.org/courses.html>

FUTURE COURSES & LOCATIONS:

Contact the ASQ Boulder Education Chair, Gretchen Stewart at: stewartgm@qwestoffice.net or at: 303-641-1335 to see if the class you want can be made available in the Colorado Springs, Denver or Ft. Collins area. Let us know if there is a class you need but is not listed above. We may be able to offer that class in the future.

COURSE REGISTRATION INFORMATION

You do not have to be a member of ASQ to attend a class however, members of ASQ and other professional societies receive a discount for classes. Local Quality professionals teach all classes in the Boulder/Longmont/ Broomfield area unless otherwise noted. We contact you at least two weeks in advance of the class start date for the exact location. Classes are typically held at a company that employs one of the students. You may nominate your company for hosting a class. Directions and registration confirmations are provided. Participants receive a certificate upon completion of the course. We need a minimum of about 4 - 5 students to hold a course and we reserve the right to cancel or postpone classes not having enough students. A full refund will be given if minimum class registration requirements are not met. If you cancel within two weeks prior to a class beginning you may not receive a refund.

ASQ CERTIFICATION REVIEW COURSES: These courses are intended as a refresher course for those preparing to take the ASQ Certification exam. These courses are typically not introductory and are intended for people with either academic and/or on the job experience. NOTE: Enrollment in a class DOES NOT enroll the student for the certification exam. The student is responsible for confirming exam dates and application deadlines with ASQ Headquarters. Qualification requirements for sitting for an exam and information regarding exam applications may be obtained by calling ASQ Headquarters at 1-800-248-1946 or go to <http://www.asq.org>

INSTRUCTORS & COURSE DESCRIPTIONS: A list of instructor biographies and course descriptions can be found on the ASQ Boulder Section web site, <http://www.asq1313.org/> **COURSES LOCATIONS:**

Contact the ASQ Boulder Education Chair, Gretchen Stewart at: stewartgm@qwestoffice.net or 303-641-1335 to see if the class you want can be made available in the Colorado Springs, Denver, Loveland or Ft. Collins area.

GUARANTEE: If you pay for and take one of our ASQ Certification review courses and still fail the Certification Exam, you may retake the course for free as many times as you need. The instructor reserves the right to charge for course materials (e.g., handouts, etc.). Your ASQ section leadership is committed to meeting your quality-related education and certification needs. If you have any questions about a particular course, please contact the instructor or the Boulder Section Education Chair (contact information above).

ASQ #1313 COURSE REGISTRATION FORM

Please complete the following information as thoroughly as possible. In case of a schedule change or cancellation, we really appreciate two phone numbers to contact you.

Student's Name: _____ ASQ Membership #: _____

Title: _____

Company name: _____

Address: _____

Daytime phone: _____ Night time phone: _____

FAX: _____ or E-mail: _____

Course # and Name: _____

Course Start Date: _____

Course Fee: \$ _____ (ASQ Member) \$ _____ (Non-member)

Please enclose a check payable to "ASQ Boulder Section" and please contact the Boulder Section Education Chair, Gretchen Stewart at: stewartgm@gwestoffice.net or 303-641-1335 for the USPS mailing information from her, for correspondence directly to her.

Non-ASQ Boulder Section (or) Non-ASQ Denver Section Training Resources

Colorado Quality Executive Network - Final Call

On **April 20th** a group of top quality executives will be meeting at the MillerCoors Brewery in Golden, Colorado. This will be the inaugural session of the **Colorado Quality Executive Network (CQEN)**. The purpose of this high level network is to share ideas. The group represents wide range of industries and organizations that make up the Colorado economy.

Please forward to the top quality person in your organization. The April meeting is by invitation only. Please contact me if you have an interest in attending this ground breaking event.

Best regards, Ron Sedlock
phone: 303-716-5873 or 303-587-9153 (cell)
www.thequalitycatalyst.com

LOOKING TO STAY AHEAD OF THE COMPETITION ?

There are government grants to assist with the cost of improving your business operations and achieving Management Systems Certifications !

In this tough market, investment decisions are tougher with restricted budgets. Management Systems Certification could be one of the best investment you can make for your business right now. And with assistance from government grants, this can be your opportunity to take your business to the next level.

A management system certification can be the tool to help **differentiate** your business and give you a **competitive advantage** in this global economy.

ISO 9001 is not just a certification; it is a system designed to continually improve your organization's effectiveness while promoting customer satisfaction and higher quality.

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QA Job Postings

Two Performance Management Coordinators for Bridgeport Hospital (425 licensed beds)

Bridgeport Hospital is a private, not-for-profit hospital and a member of the Yale New Haven Health System. It is the most comprehensive hospital in Fairfield County with 2,600 employees. The Performance Management Coordinator reports directly to the VP Performance Management and Risk, who is a MD.

The major responsibility of the Performance Management Coordinator is to provide measurement, target definition, evaluation and reporting expertise necessary to drive significant performance breakthroughs. The Coordinator will work with the Risk Management Department to identify potential risk situations as well as with the Yale New Haven Health System (YNHHS) Performance Management to achieve system wide Performance Management initiatives. In addition, a significant portion of time is spent on issues related to regulatory compliance.

The ideal candidate is detailed oriented, self-motivated and independent. At least 3 years' experience with analysis of administrative and clinical health care data is required but may be attained through support services.

Susan Carlow, Steve Harvey & Associates, smc@sharveyassoc.com

The University of Michigan Hospitals and Health Centers is conducting a search for a Director of Program & Operations Analysis

(Chief Industrial Officer), reporting to the Senior Associate Director and Chief Operating Officer of the Hospitals and Health Centers.

It is requested that all interested candidates apply through the University of Michigan Careers website: <http://www.umich.edu/~jobs/>; use Job ID: 39308. This posting will be available until April 16, 2010. Applications will not be taken via email or fax.

Careers at SpeeCo

Please send resumés to hr@speeco.com

Mission:

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Quality Engineer - 28566

Opening: Denver area corporate headquarters has an opening for a QUALITY ENGINEER.

Position Summary

The Quality Engineer will support the organization in maintaining the organization's quality program. Assures all internal and external customer requirements are met within the framework of our mature ISO 9001:2008 Quality Management System. The ideal candidate will have a proven track record achieving successful outcomes with strategic initiatives, complaint investigations, data analysis, quality reporting and corrective/preventive action.

In addition, the Quality Engineer will plan and direct quality activities for inspection and/or testing of components, assemblies and subassemblies. Plan and direct quality activities for incoming, in process, outgoing, and new product development phases.

- 3+ years experience in manufacture industry
- 3+ years experience in one or more related engineering areas such as industrial, production, reliability, or design
- Comprehensive understanding of Quality Management Systems for receiving inspection, control of nonconforming material, calibration, records control, and document control applications
- Demonstrate ability to identify and evaluate complex quality or technical issues and provide well thoughtout solutions
- Demonstrate ability to think critically; to be flexible and adaptable while responding to the changing department demands as well as anticipate and influence changes
- Demonstrate the ability to communicate effectively both orally and in writing with all levels of management
- Demonstrate the ability to work effectively within the organization, collaborate and provide inspection team with technical assistance
- Expertise in reading blueprints, engineering drawings and determine appropriate tools/measuring instruments required to determine product conformance
- Knowledge of manufacturing processes, specifications and inspection criteria
- Skilled in advanced quality tools such as Failure Modes Effect Analysis (FMEA), GD&T, SPC, Root Cause Analysis, and Poka-Yoke

- Skilled in computer applications including Microsoft Office and statistical products
- Strong knowledge of drawing and schematic interpretation, and product modeling
- Strong knowledge of statistical methods, data analysis, and reporting

Education Requirements

- ASQ Certification
- Associates Degree in Engineering; or related discipline; or equivalent work experience
- Bachelor's Degree in Engineering or related discipline

Test Engineer

Opening: Denver area corporate headquarters has an opening for a TEST ENGINEER.

Position Summary

The Test Engineer is responsible for the development, implementation and reporting for validation testing requirements for the Company product lines both domestically and abroad. Validation testing of Company products includes all new, released, and existing products.

- Ability to design new parts and assemblies using SolidWorks in the creation of fixtures and test equipment;
- Ability to develop, operate, and maintain test equipment;
- Ability to document test results and report to organization;
- Ability to handle issues independently;
- Ability to perform basic manufacturing processes such as welding, operating a lathe and mill;
- Ability to run development and validation tests on SpeeCo product lines;
- Ability to support inspection and re-work efforts of heavy mechanical parts as necessary;
- Demonstrated ability to assist team members in solving business problems and/or technical issues to effectively meet customer needs;
- Demonstrated ability to communicate effectively both orally and in writing with all levels in organization and make formal presentations;
- Familiar to Designs of Experiments (DOE), FMEA's and statistical analysis;
- Knowledge of agricultural industry;
- Knowledge of GD&T and first article inspection process;
- Knowledge of ISO quality management system is a plus.
- Knowledge of new product development procedures and processes;
- Perform validation of new suppliers to engineering test specifications;
- Proficient with MS Office Suite applications
- Strong knowledge of forging, casting, heat treat, materials selection, machining, forming, welding, and finishes;

Education Requirements

- 4 year Technical Degree in Engineering;
- Bachelor of Science degree in Mechanical, Design or Industrial Engineering or related field.

Job Requirements

- 2+ years experience as a test engineer or related field.

Covidien

Carlsbad, CA

Job Title

Respiratory Solutions - Senior Quality Engineer (09-0164)

Description

Nellcor Puritan Bennett, is now the Respiratory and Monitoring Solutions (RMS) business unit of Covidien, formerly Tyco Healthcare. RMS systems are used to monitor, diagnose and treat respiratory disease and sleep disorders, and they provide life sustaining ventilation and oxygen support for patients.

In addition to Respiratory and Monitoring Solutions, Covidien also manufactures, distributes and services a diverse range of industry-leading product lines, including surgical devices, energy-based devices, pharmaceutical products, imaging solutions, patient care and safety products, and medical supplies.

For more information, visit us at www.covidien.com.

SUMMARY OF POSITION:

Integral member of the team representing quality engineering in design and development of medical device products, primarily ventilators and ventilation accessories, and facilitate the application of design controls. Translate Quality Standards into processes and procedures, and apply these to the new product design process.

ESSENTIAL FUNCTIONS:

1. Assist R&D in the development of and/or review proposed new and modified product designs for quality characteristics, including manufacturability, serviceability, testability, reliability, and conformance to product requirements.
2. Ensure that product development projects and changes to existing products are conducted in compliance with the FDA Quality System Regulation by providing leadership to the team with respect to regulatory requirements of new product development and/or product changes.
3. Be highly engaged to ensure successful transfer of new products to production facility. Review production processes for quality of validation through IQ, OQ, and PQ activities.
4. Assist in the development of design and process verification and validation test plans. Ensure verification / validation results demonstrate compliance to medical device standards. Represent Quality Engineering in the approval of protocols and reports, ensuring defensible practices and conclusions.
5. Provide training to project teams on verification/validation, statistical methods and design controls.
6. Accountable for product risk assessment efforts within product teams.
7. Participate in and/or review all team deliverables for Design History Files and Technical Files for conformance to applicable requirements.
8. Provide Quality support to facilitate the rapid resolution of product complaints and/or safety issues.
9. Conduct internal quality system and supplier quality audits.

Requirements

Minimum Requirements:

- * 5-7 years of experience in a Quality Engineering role in the Medical field. (MEDICAL INDUSTRY EXPERIENCE IS REQUIRED)
- * Bachelor of Science degree in an engineering discipline, EE preferred
- * Skilled in test plan development and root cause failure analysis

- * Skilled in statistical methods, including ANOVA, statistical process control, sampling plans, gauge R&R, and design of experiments
- * Good verbal (including presentation) and written communication skills, especially technical report writing
- * Ability to effectively work on project teams
- * Familiar with reliability analysis and test methods
- * Familiar with ISO 14971, or strong experience in risk evaluation techniques, such as FMEA and/or fault tree analysis
- * CQE certification - desired

Function EEO/AA
 Quality
 Division Med Dev - Respiratory and Monitoring Products – HMRES

***Contact: *James Carter*

303-305-2608 james.carter3@covidien.com



from: <http://www.nrel.gov/employment/>

Posting Title	Sr. Supervisor II – Records Program Manager
Requisition Number	1197BR
Location	Golden, CO
Position Type	Regular Employee
Hours Per Week	40
Job/Research Summary	The Records Program Manager will be directly responsible for establishing the strategic direction of NREL’s Records Management (RM) Program by developing and implementing strategies that drive the optimal capture, delivery, use, retention, and disposition of NREL’s information in electronic and paper format. The successful candidate will also provide business process expertise and support to all NREL organizations to promote acceptance and continual improvement of RM. This position will have both supervisory and technical responsibilities.
Job Duties	<ul style="list-style-type: none"> • Establish the strategic direction of NREL’s RM Program by assessing the current program and analyzing the business processes associated with records across the records management lifecycle. Identify gaps, develop and implement improvements, and maintain NREL’s RM Program. Develop the necessary NREL policies, procedures, work instructions, and forms and monitor compliance with Federal/DOE/NARA laws, orders and guidelines. • Provide business process expertise and support in order to develop, design, and implement new methodologies, processes, systems, and technologies that increase process efficiencies and compliance in support of NREL’s RM Program. Collaborate with DOE headquarters and other National Laboratories on best practices.

- Lead and coordinate records management projects through development and execution of project plans, negotiation of deliverables, and successful implementation of new records management requirements into the existing program.
- Develop and manage budgets, evaluate and hire new records staff, coach and mentor staff, develop and deliver staff performance evaluations including addressing performance issues if required, review and approve staff work for quality and accuracy, plan and direct the work of records staff in the delivery of RM services, and provide project management and leadership.
- Write proposals and make formal presentations to executive management for process improvement projects relating to paper and electronic records management, and conduct cost/benefit analysis in support of NREL's RM Program.
- Conduct internal reviews and coordinate external reviews to ensure compliance with NREL's RM policies and procedures, and with applicable laws, orders, and guidelines.
- Represent NREL's RM interests in external forums.
- Develop and conduct NREL's RM User Awareness Training.
- Develop and update RM reporting/metrics for NREL management.
- Ensure the implementation of and adherence to RM policies and procedures.

Required Education and Experience

Relevant Bachelor's Degree and 5 years experience in a business or technical discipline or equivalent education/experience.

Additional Basic Required Knowledge, Skills and Abilities

Relevant experience performing the analysis, design, implementation, and administration of all elements of a records management program, including:

- Applying retention and disposition to records, information, and data in paper and electronic format.
- Managing projects or initiatives in the area of electronic records and information management.
- Leading process improvement initiatives concerning information creation, review, use, maintenance, and disposition.
- Identifying training needs, developing the necessary training materials, and delivering training to NREL staff.

Extensive knowledge of laws, regulations, principles, procedures, and practices related to records management. Excellent leadership and project management skills and competence in program/project management. Ability to make informed decisions and to work independently. Skilled in analytical techniques, practices, and problem solving. Demonstrated interpersonal, conflict resolution, oral and written communication, and teaming skills. Demonstrated problem-solving and negotiating skills. Proficient at using all applications in the MS Office suite.

Strong skills in managing a small group of records management personnel (3-5). Management experience within the last 5 years including coaching, mentoring, negotiating performance goals and objectives, performance reviews, managing work assignments, and managing budgets.

Preferred Qualifications

Master's degree in archives and records management, library science, information systems, business administration, or related field.

A minimum of 10 years of progressively increased responsibility in program/project leadership in records management (including both paper and electronic records). Recent experience in the development and implementation of a site-wide electronic records management system.

Records Management certifications (such as CRM and ERM) are highly desirable



from: <http://www.nrel.gov/employment/>

Posting Title	EHS Specialist - Environmental Management System
Requisition Number	1077BR
Location	Golden, CO
Position Type	Regular Employee
Hours Per Week	40
Job/Research Summary	Advanced level EHS position, having primary responsibility for the development and implementation of NREL's environmental management system (EMS) and selected EHS programs and projects in support of EMS. Interacts with laboratory staff, administrative support staff, senior managers, DOE, and regulatory agencies on a regular basis. Works with minimal direction providing guidance and subject matter expertise in support of EMS-related activities, sustainability, and EHS programs, projects, and tasks.
Job Duties	<ul style="list-style-type: none">• Implement NREL's Environmental Management System (EMS) and take an active role in implementing sustainability program components as part of a cross-organizational team. Establish EMS goals and executable strategies that will result in the full implementation of the EMS at all levels of the organization. Coordinate activities necessary to achieve ISO 14001 certification.• Develop, implement, and maintain assigned environmental programs to address hazards existing at NREL and comply with regulatory requirements. Programs may include such areas as NEPA, GRI reporting, environmental permitting and compliance, air emissions, water programs, or construction-related programs. As subject-matter expert, provide interpretation and guidance to workers and other EHS Office staff for assigned programs. Program assignments will involve advanced risk assessment activities, conducting compliance reviews of regulations and other requirements, and developing reports on technical work.• Conduct and/or participate in pollution prevention assessments and provide guidance to EHS and Laboratory staff regarding pollution prevention opportunities.• Identify environmental permitting and compliance requirements, and develop and implement a process to meet those requirements.• Provide support and back-up for environmental programs. Responsibilities include maintaining a working knowledge of NREL environmental-related policies, programs, and procedures. May involve implementing requirements of any or all of NREL's environmental programs, such as environmental sampling, field inspections of construction sites and laboratories, or working with research and construction subcontractors.• Conduct or assist in assessments, audits, and inspections of environmental programs conducted by NREL, DOE, consultants or other third parties, or external agencies. Develop and implement corrective actions in response to the assessment findings.• Develop and present training programs in support of EMS requirements and

assigned environmental programs. Training presentation methodologies may include live, video, or electronic media. Provide back-up training presentation support in environmental program areas assigned to others.

- Serve as a member of the NREL Emergency Response Team, for small to moderate size releases of hazardous materials. Responsibilities include: participating in drills, classroom training, wearing SCBA, spill response and clean-up, maintaining required certifications, and other related activities.

Required Education and Experience

Relevant Master's and 10 years experience or equivalent relevant education/experience.

Additional Basic Required Knowledge, Skills and Abilities

- Demonstrated knowledge of environmental management systems, environmental practices, and ability to develop and implement environmental program and project activities.
- Advanced skills, abilities, and techniques in project management and audit/assessments.
- ISO 14000 EMS Lead Auditor training.
- Advanced written and verbal communication skills and the ability to interact with all levels of management and staff, DOE, external agencies, and the public.
- Ability to simultaneously plan and manage multiple complex tasks.
- Demonstrated proficiency with basic computer software, e.g. Microsoft Outlook, Word, Excel, PowerPoint, Project, etc.
- Occasional travel to project sites and meetings. Ability to perform occasional site work that can involve extreme weather conditions, moderate physical exertion, and travel to geographically remote sites.
- Ability to walk up to one mile continuously; able to stand continuously for two hours; able to lift and carry forty-five pounds. Willingness and ability to participate in emergency response team activities, including the ability to wear a full-face respirator and Level B protection with Self-Contained Breathing Apparatus.

Preferred Qualifications

- Evidence of formal EMS training
- Experience with multiple Management Systems desired (e.g., ISO-9000, ISO-14001, OHSAS 18000)
- ISO 14000 EMS Lead Auditor certification
- Ability to develop standards for Laboratory areas where little precedence exists
- Advanced technical knowledge of EHS practices, procedures and techniques
- Experience working at a Department of Energy site. In-depth understanding of DOE and OSHA regulations.
- Demonstrated leadership abilities in programmatic planning, organization, improvement and execution.

Research Technician - Metrology

Posting Title**Requisition Number**

1139BR

Location

Golden, CO

Position Type

Regular Employee

Hours Per Week

40

Job/Research Summary

Entry-level technician position supporting the operations and development of the NREL Metrology Laboratory by providing routine maintenance and calibration of measurement and test equipment, and providing administrative support in compliance with NREL's Metrology Laboratory policies and procedures.

Job Duties

- Performs routine maintenance and calibration of test instruments under direct supervision of scientific and technical staff. Maintains a safe, clean, and organized operating environment in accordance with NREL's safety policies and procedures. Assists senior technical staff with experimental set up, including soldering, cabling, and wiring data acquisition instruments. Contributes to the development and maintenance of the metrology operations database. Perform general metrology laboratory administration, including equipment purchases, calibration due notifications, receive/accept incoming measuring and test equipment (MTE), inspect incoming MTE, schedule MTE for repair and/or calibration, update calibration database, file MTE calibration reports, and coordinate the return of MTE to owner.
- Work Schedule - Standard 40-hour workweek, Monday through Friday. Typical work hours are 8:00 a.m. to 5:00 p.m. with some flexibility, occasional overtime and weekend work is required.

Required Education and Experience

Relevant Associates degree, or certification program or equivalent relevant education/experience.

Additional Basic Required Knowledge, Skills and Abilities

Demonstrated technical knowledge of metrology practices, calibration procedure development, and test instruments (especially multifunction calibrators, oscilloscopes, digital multi-meters and general-purpose test instruments). Demonstrated exceptional interpersonal and communication (verbal and written) skills. Effective computer skills for document generation, basic data analysis tools, and basic data acquisition. Ability to interpret and develop electronic circuits. Exhibits attention to detail with high levels of innovation, initiative and integrity. Must have (or be able to obtain) and maintain a valid Colorado driver's license with an acceptable driving record. Capable of routinely lifting 70 lbs. A pre-hire physical screening will be required.

Preferred Qualifications

Associate's degree in electrical engineering plus metrology training, or Military training (Precision Measurement Equipment Laboratory-PMEL). One to three years of bench-level calibration experience, including electrical/electronic instruments, temperature/humidity probes, pressure transducers

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CEx Assessment and Feedback Process for 2010

Foothills, Timberline, and Peak Application letters of intent are due April 5, 2010 to CPEX headquarters in electronic form. The applications in electronic form are due May 24, 2010. High Plains applications are accepted anytime. Please read the material for applicants online at the Applicants dropdown at www.coloradoexcellence.org . Contact Tom Mauro at 303-893-2739 or at tmmauro@coloradoexcellence.org for any further information.

CPEX Education for 2010

To begin or continue your organization's journey for continuous improvement, please register for some of the CPEX training to be offered throughout Colorado over the next few months. CPEX highly recommends holding this training at your site if you have 5 or more attendees. In this way COO and Dean of Education Jim Walker can customize the training for your organization.

All courses are held at the CPEX World Headquarters at 4140 Jackson Street in Denver, CO 80216, unless otherwise noted. Costs for the Application Writing Workshop are \$150 for the first person from an organization and \$125 for additional registrants from the same organization. Courses at your site are \$100 per person plus travel, lodging, and meal expenses for the instructor.

CPEX is designing Application Writing Classes this year that are level specific. We highly recommend if you have not attended an Application Writing class in the last year that you do so this year. There are significant changes to Category 3 in 2009-10.

Register now

www.coloradoexcellence.org

tmmauro@coloradoexcellence.org or <http://www.coloradoexcellence.org>