

***SPECIAL GAS SERVICES, INC ANNOUNCES
THE OPENING OF THEIR SPECIALTY GAS
PRODUCTION TRAINING INSTITUTE***



***A UNIQUE BLEND OF THEORY, APPLICATIONS, AND
LABORATORY EXERCISES AT OUR SPECIALTY GAS STANDARDS
LAB IN FORT MYERS, FL. REGISTRATION IS NOW OPEN FOR
OUR SPRING 2009 SESSIONS. CLASS SIZE IS LIMITED AND
CLASSES ARE FILLED IN THE ORDER THAT APPLICATIONS ARE
RECEIVED. TO REQUEST COURSE INFORMATION AND
MATERIALS PLEASE CONTACT US AT training@specialgas.com OR
VISIT OUR WEB SITE AT www.specialgas.com.***

THE MAKING OF A SPECIALTY GAS TECHNICIAN

It is well recognized that there is a severe lack of technical depth in the area of specialty gas production and gas analysis. Finding qualified personnel becomes ever more difficult. In fact, this can be referred to as a “Generation Gap” in production technology caused largely by attrition. This attrition is no longer replaced from within, as it is rare for technical personnel to remain at the same company for more than 5 years. The majors have stopped “growing their own” replacements. Companies are faced with the on-going task of training new employees using existing personnel having a shallow base of knowledge and experience; a recipe for certain quality disaster. This course of instruction combines theory and hands-on training in basic areas of specialty gas production and laboratory procedures.

Instructor: Ray Borzio, President/CEO, Special Gas Services, Inc.
Basic Class Length: 5 Days
Target Students: Cylinder Prep Technicians, Cylinder Fill Technicians, Analytical Lab Technicians
Discussion Points: Days 1 & 2; Cylinder Prep, Zero and Ultra-pure Gas Filling, Purity Analysis
Days 3 & 4; Gas Mixture Filling, Pressure Fill Techniques, By-weight Filling, Binary Gas Analyzers, Basic Gas Chromatography
Day 5; Advanced Mix Calculations, PPM Mixtures, Reactive Gas Mixture Production, Gas Mixture Stability Requirements

The courses are conducted at our training institute in Fort Myers, FL in our specialty gas standards lab. Course work combines classroom and laboratory sessions allowing hands-on experience. Complete text and certificate of completion is provided with each completed session. Class size is limited to 8 students and private advanced sessions are available on request in Fort Myers, FL or at the students' location. Pre-registrations are being accepted on a first-come, first-serve basis and classes will be filled based on students' experience and needs. For information please contact us at training@specialgas.com.



ABOUT THE PRESENTER

Ray Borzio is President and CEO of Special Gas Services, Inc., a company dedicated to implementing specialty gases production technology for the industrial and medical gas industry. A graduate of Rutgers University, his career began in 1973 at BOC's largest specialty gas plant in Riverton, NJ. After accepting various positions in production, distribution, quality control and outside sales, he was relocated to Research Triangle Park, NC to establish a new sales territory and ultimately manage BOC's newest production facility. At this 15,000 square foot location, BOC specialized in aluminum cylinder technology to serve the needs of the air quality and pollution control markets associated with the US EPA, The National Institute of Standards and Technology, and research organizations in the Triangle area,

In 1982 Ray accepted a position with National Welders Supply Co., Inc. (now Airgas/National Welders, Charlotte, NC) to direct a new division (National Specialty Gases) for the Southeast's largest and fastest growing industrial gas company. Over the next twelve years, this division would become one of the most profitable expansions in the Company's history. From its state-of-the-art 30,000 square foot facility, National Specialty Gases continues to be a leading supplier of EPA Protocol and NIST traceable gas mixtures nationwide. This facility was designed and installed personally by Ray. In addition to production, technical, and safety, Ray was financially responsible for the division which today has sales in excess of \$10,000,000.00 annually. Ray also directed the sales efforts, wrote their first specialty gas catalog and developed complete sales applications manuals for sales force training.

In January of 1994 Ray founded Special Gas Systems & Technologies, Inc., providing technical support to growing industrial and medical gas distributors considering specialty gas production locally. This company was merged with Special Gas Services, Inc. in August of 2005. Special Gas Services, Inc. is a complete fill plant equipment supplier and consulting service. The company evaluates a distributor's present production capabilities, fabricates and installs production equipment to produce new gas products, and offers appropriate training to insure high quality gas products. The Company's project scope ranges from 50,000 cylinder/month pallet style fill plants to individual, high-end lab mixing and purification systems. Our installations to date exceed 100 both nationally and internationally.

ALSO AVAILABLE:

EVALUATING YOUR SPECIALTY GAS BUSINESS PROFILE

As the attention of the major supplier has turned to large high tech bulk gas end-users, there has been a commensurate reduction in time and capacity remaining to produce the commodity style cylinder specialty gases—the core of the medium to large distributors contemplating local production. This seminar helps the distributor answer three questions relating to the level of production technology: 1) Where are you? 2) Where do you want to be? 3) How will you get there?

Seminar Length: 2-3 hours
Target Audience: Owners, Senior Executives, Divisional Managers
Discussion Points: Product Groups by Level of Technology
Equipment Requirements by Product Groups
Laboratory Requirements
Personnel Requirements
Budget Requirements
Return on Investment

YOUR SPECIALTY GAS BUSINESS: SALES AND APPLICATIONS

A distributor's specialty gas business must be continually monitored to insure owners and executives understand where they fit relating to levels of technology associated with the customers they serve. Many times distributors only concern themselves with the technology relating to their own production arenas. It is even more important to understand, at least in a general way, the technology level of the customers they serve and how the products supplied can affect the success of the customers business. This seminar describes the various industries that use specialty gases as well as the applications of end use in these industries.

Seminar Length: 2-3 hours
Target Audience: Sales Managers, Product Managers, Sales Personnel
Discussion Points: Products by Industry
Industry Applications by Product
The Specialty Gas Catalog
Pure Gas Grades and Specifications
Gas Mixture Grades and Specifications
Specialty Gas Hardware Sales
Speaking the Language

MEDICAL GAS PRODUCTION

FDA is required by statute to inspect each registered drug facility at least once every two years. Often, inspections may occur more frequently, especially where FDA may suspect or know there is a problem with a specific firm or the industry as a whole. If an inspection determines that a firm is significantly deviating from the CGMPs (current Good Manufacturing Processes) and satisfactory corrections have not been implemented, FDA will initiate regulatory action intended to prompt a firm to correct its problems and protect the patient.

There are several courses of action FDA can seek within the authority of the law, these include issuance of a warning letter, seizure of a product, including storage tanks, high pressure cylinders, cryogenic home vessels on the premises, and trucks/vans containing the large cryogenic vessels, and tankers, an injunction, prosecution, disapproval of government contracts, and informing the Health Care Finance Administration. We are finding that the general state of cGMP compliance is not very good. This regulatory action rate indicates a need for the industry to improve its overall compliance with the cGMP.

Class Length: 3 Days
Target Students: Medical Gas Cylinder Prep Technicians, Medical Gas Cylinder Fill Technicians, Quality Control Technicians, Compliance Managers
Discussion Points: Day 1-cGMP cylinder inspection and filling requirements
Day 2- PPS 2500 Cylinder Filling Skid training and Lot control and paper work functions
Day 3- Gas analysis and instrument calibration

AVAILABLE ONLY FROM SPECIAL GAS SERVICES



STILL STABLE AFTER ALL THESE YEARS

Confidence in your gas analysis is directly related to the reliability of your calibration gas standard. But how reliable can your calibration gas be without a guarantee of long term stability? Most critical are gas mixtures with reactive gas components like **carbon monoxide, nitric oxide, sulfur dioxide, hydrogen sulfide, and nitrogen dioxide**. These standards are critical for the proper calibration of instruments monitoring air quality, source emissions, industrial hygiene and safety. **The success of your EPA Protocol or NTRM production programs may be at stake!**

Our CYL-INERT™ treatment process is a proprietary series of chemical enhancements and conditioning operations that guarantees long term stability of these reactive gas components in aluminum cylinders. Available exclusively from Special Gas Services, this preparation technology is backed by over two years of stability data at concentrations below 1 ppm!

Remember, without stability there is no reliability!

Call today for details at 919-621-0980 or e-mail at training@specialgas.com.

Due to the sensitive nature of this technology, a non-disclosure document will be required prior to attendance.