



PIBA Program Events Committee Presents:
Radiation Safety Officer Training
40 Hour Course

OCTOBER 5-7 AND 10-11, 2016

Date:	Course runs five days from October 5 th – 11 th (weekdays only) from 8:00am to 5:00pm. Complete training lasts 40 hours.
Location:	IBM 4400 North 1st Street, San Jose
Cost:	Early Registration Rates: (through September 18) \$949.00 per person plus applicable fees Regular Registration Rates: (September 19 through September 30) \$999.00 per person plus applicable fees On-Site Registration Rates (After September 30) \$1,050.00 per person plus applicable fees
Registration:	To register, please go online http://piba.org/Events_registration.html or complete the form below and send to the PIBA office. If you have any questions, email piba@piba.org .
Registration Requirement:	This session is only open to people with radioactive materials licenses. You are required to bring a copy of the license to the first meeting.
CM:	PIBA will provide 40 hours of Certification Maintenance (CM) for this event. This event may be eligible for ABIH CM credit. See the ABIH website for CM credit criteria at www.abih.org.

Event Overview:

This course is designed for persons who want to become a Radiation Safety Officer at a university, biotechnology center, or industrial concern. This course is applicable to laboratory staff scientists who require radiation safety training to qualify as a “user” of radionuclides, biotechnology scientists who use radionuclide tracers, scientists in the radiopharmaceutical industry (production and R&D) and others.

Training Course Instructor – George Anastas:

George Anastas has been providing radiation safety and occupational safety training and consultation in the Bay Area since 1990. He is a Certified Health Physicist, a Fellow of the Health Physics Society, a Fellow of the Australasian Radiation Protection Society, a Professional Nuclear Engineer and a Board Certified Environmental Engineer. He is also a Past-President of the Health Physics Society. He has many years of experience in radiation safety, industrial hygiene, occupational safety and nuclear safety with industry, engineering consulting organizations, California State University Sacramento, the University of New Mexico, the State of New York and San Diego Gas and Electric. He served as the EG&G Senior Executive Consultant to the National Institute of Occupational Health and Safety (NIOSH) in support of NIOSH efforts relating to atomic workers’ compensation. He has published extensively and presented scientific treatises on all of his areas of expertise focusing particularly on risk assessment and risk amelioration.

Training Course Schedule – 40 Hours:

The RSO training course will take place over 5 days for a total of 40 hours.

- Wednesday, October 5, 8:00am – 5:00pm
- Thursday, October 6, 8:00am – 5:00pm
- Friday, October 7, 8:00am – 5:00pm
- Saturday and Sunday – break
- Monday, October 10, 8:00am – 5:00pm
- Tuesday, October 11, 8:00am – 5:00pm

Course Objective:

This is a comprehensive course for the person who has been assigned the duties of Radiation Safety

Officer. The course will be focused upon California requirements, but will feature both Federal and State regulations. This Radiation Safety Officer (RSO) Course is designed to provide the technical and practical information needed to prepare a person to be an effective Radiation Safety Officer (RSO) or an Alternate RSO. It will also be useful as review for current RSOs and for anyone who works with radioactive materials.

Topics to be covered in this course include:

- Radiation fundamentals: nuclear and atomic physics: radioactive decay: units:
- Radiation Safety Committees: organization, requirements: records: accountability
- Radioactive materials licensing: wipe tests, inventory and good practices
- X-ray machine exposures: calculation of exposures
- Gamma and X-ray shielding calculations
- Biological effects of radiation
- Personnel Dosimetry: Bioassay
- Radiation detection instruments
- Sealed source leak tests
- Shipment and receipt of radioactive materials
- Emergency procedures
- Radiation protection programs; program reviews
- RSO responsibilities
- Record keeping
- Preparing for inspections
- Radiation safety surveys
- Training
- Security
- Records/documentation
- Inspections
- Radiation sources and equipment
- Instrument calibration
- Radiation and contamination surveys
- Waste handling and storage: decay in storage

Additional Information:

Bring your calculators that support exponential functions (e^x) and natural logarithms (\ln), a copy of your radioactive materials license, your copy of Title 17 California Code of Regulations (including Title 10 Code of Federal Regulations Part 20), colored sticky notes and questions.

Participants are responsible for their own meals during the training.

Please contact the PIBA office with any course questions: piba@piba.org



Registration Form

RADIATION SAFETY OFFICER TRAINING

OCTOBER 5-7 AND 10-11, 2016

Pre-Registration Deadline: September 30, 2016.

Please type or print, and complete all items.

Fax this form to PIBA **408-521-9191**, or Mail to PIBA, PO Box 1820, Los Gatos, CA 95031.

Name

Company

Address

City

State

Zip code

Phone

Fax

E-mail address

Visa/MasterCard/AMEX/Discover or Check enclosed (please circle one)

Credit card expiration date

Credit card billing address, if different from company address

Signature (your signature authorizes PIBA to process your credit card and *indicates you have read the text below – this is required regardless of membership or credit card processing.* Thank you.)

Early Registration: Received by September 18, 2016:

\$949.00 per person plus applicable fees

Regular Registration: Received between September 19 through September 30, 2016:

\$999.00 per person plus applicable fees

Late or On-Site Registration: Forms received after September 30, 2016:

\$949.00 per person plus applicable fees

PIBA accepts Visa, Master Card, American Express and Discover credit cards, money orders or checks (made out to PIBA). Cancellations will be refunded up to 5 business days prior to the registration deadline. There is a \$150.00 service charge on cancellations for this event.

Please register early for your maximum value!