



ORAU



Integrated capabilities across science, health and national security

We work with our customers to advance scientific research and education, protect health and the environment, and strengthen national security. As a nonprofit corporation backed by a consortium of more than 100 academic institutions, ORAU connects the right people and resources to get things done, and we put the full power of our organization behind every project – both large and small.

What We Do

- Science Education and Workforce Development
- Scientific and Technical Peer Review Services
- Worker and Public Health Studies
- Health Communication and Technical Training
- Environmental Assessments and Health Physics
- National Security and Emergency Management

ORISE

OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

Managed by ORAU for the U.S. Department of Energy





Science Education and Workforce Development

ORAU is a national leader in science, technology, engineering and mathematics (STEM) education with more than 60 years of experience implementing research-based education programs. We work with government and private sector organizations to administer internship, scholarship and fellowship programs, and we deliver programs for K-12 students, recent graduates and educators to develop future science and technology leaders. Services include:

- Workforce needs identification
- Program design and operation
- Recruitment
- K-12 STEM program development
- Assessment and evaluation

Scientific and Technical Peer Review Services

Peer reviews provide critical independent validation of the quality of research proposals and accuracy of scientific information, and trustworthy findings require a credible peer review process. ORAU manages all aspects of the peer review process to ensure timely and fair assessments for informed funding decisions. With expertise in reviews of all sizes and types, our team manages each detail to:

- Plan and manage peer reviews
- Identify qualified reviewers
- Provide online tools
- Coordinate workshops
- Evaluate results

Worker and Public Health Studies

When people are exposed to hazardous substances at work or in their communities, ORAU helps provide accurate, timely answers to health concerns. Combining more than 30 years of experience in occupational exposure research and established partnerships with leading universities and medical centers, we conduct health studies with the highest levels of quality and integrity. Our work includes:

- Worker and public health screenings
- Occupational illness and injury surveillance
- Beryllium exposure studies and testing
- Research and medical database management
- Radiation dose reconstruction



Health Communication and Technical Training

Infectious and chronic disease, radiological terrorism, pollution, natural disasters – the threats to public health and safety are varied and complex. Working at the local, national and global levels, ORAU blends communications and technical training skills with public health, epidemiology and environmental health expertise to develop communication programs that inform the public, equip health professionals and change behavior. Our capabilities include:

- Research and evaluation
- Health communication and marketing
- Technology applications
- Public health preparedness
- Health and safety training
- Health promotion and outreach

Environmental Assessments and Health Physics

ORAU helps protect workers, the public and the environment from potential radiological and chemical contamination by providing reviews and field surveys to assure that contaminated sites are appropriately cleaned up. Working independently from the cleanup contractors, ORAU ensures that necessary quality assurance procedures are in place and verifies whether the cleanup meets federal requirements. Services include:

- Independent verification
- Characterization surveys
- Radiochemical analysis
- Health physics services
- Health physics and radiation safety training
- Air quality research

National Security and Emergency Management

ORAU works with federal, state and local agencies to enhance emergency management planning and integrate their efforts to respond effectively to terrorism, natural disasters and other hazards. We also manage REAC/TS, a 24/7 U.S. Department of Energy response asset for radiation medical emergencies. Capabilities include:

- Emergency preparedness planning and response
- Radiation emergency medical support and training
- Policy development and implementation
- Exercise program design and management
- Emergency management training
- Forensic science support and training



ORAU

For more information:

865-576-3000
www.oraug.org



Customer Highlight: Supporting DOE's Mission Since 1946

As the managing contractor for the U.S. Department of Energy's Oak Ridge Institute for Science Education (ORISE), ORAU provides DOE with seamless access to expertise in science and education, as well as environmental, health and emergency management.

Results include:

- More than 55,000 faculty and student research experiences
- Scientific peer reviews supporting more than \$5 billion annually in potential research awards
- High quality technical training and certification for thousands of DOE, contractor and grantee employees
- Decontamination verification at more than 500 sites in 42 states
- Health monitoring of more than 1.5 million energy workers
- Nuclear security support and training in more than 20 countries

Key Customers

California Emergency Management Agency
Centers for Disease Control and Prevention
National Aeronautics and Space Administration
National Institute for Occupational Safety and Health
Nuclear Regulatory Commission
Oak Ridge National Laboratory
Tennessee Valley Authority
U.S. Department of Energy
U.S. Department of Homeland Security

Working with ORAU

We have a variety of contract vehicles in place to make it easy to work with us, including GSA schedules and the DOE ORISE Work for Others program. For details, visit www.oraug.org/contracts.

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