

# Health, Energy, and Environment (HEE)

## **Center for Epidemiologic Research (CER)**

CER. *DOE 2015 Occupational Radiation Exposure*. Prepared for the U.S. Department of Energy, Office of Health, Safety and Security. October 2016.

## **Survey Projects and Health Physics**

Bailey, E. N. *Report for Trips 1 and 2 for the Independent Verification of Germanium Components Following the Removal of Thorium Coatings by E.R. Precisions Optical in Orlando, Florida*. Prepared for the U.S. Department of Energy Office of Science. September 2016.

Engel, K. M. *Final Report for Independent Confirmatory Survey Summary and Results fro the Turbine Building Basement and Open Land Areas at the Zion Nuclear Power Station, Zion, Illinois*. Prepared for the U.S. Nuclear Regulatory Commission. August 2016.

Harpenau, E. M. *Final Report for the Confirmatory Survey Activities Associated with Phase 2 for the Buffalo Materials Research Center at the State University of New York, University at Buffalo, Buffalo, New York*. Prepared for the U.S. Nuclear Regulatory Commission. January 2016.

———. *Final Interim Report for the Independent Confirmatory Survey Summary and Results for Survey Units LSAs 02-01, 02-02, and 02-03 for the Hematite Decommissioning Project, Festus, Missouri*. Prepared for the U.S. Nuclear Regulatory Commission. March 2016.

———. *Final Report for the Independent Confirmatory Survey Summary and Results for Survey Units LSAs 08-06, 08-11, and 08-17 for the Hematite Decommissioning Project, Festus, Missouri*. Prepared for the U.S. Nuclear Regulatory Commission. May 2016.

———. *Final Report for the Independent Confirmatory Survey Summary and Results for Survey Units LSA 10-03 and LSA 10-04 and Scan Survey Results for LSA 10-01 and LSA 10-02 for the Hematite Decommissioning Projects, Festus, Missouri*. Prepared for the U.S. Nuclear Regulatory Commission. April 2016.

King, D. A. *Chemical Analytical Data Addendum to the Independent Verification Survey Report for Exposure Units Z2-03, -06, -07 and -10 in Zone 2 of the East Tennessee Technology Park, Oak Ridge, Tennessee*. Prepared for the U.S. Department of Energy. April 2016.

———. *Independent Verification Survey Report for Real Property Contained within the Parcel 1 Area at the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio*. Prepared for the U.S. Department of Energy. July 2016.

———. *Report for December 2015 Independent Verification Activities at the Bannister Federal Complex at the Kansas City Plant in Kansas City, Missouri*. Prepared for the National Nuclear Security Administration. February 2016.

———. *Report for the February 2016 Independent Verification Activities at the Bannister Federal Complex at the Kansas City Plant in Kansas City, Missouri*. Prepared for the National Nuclear Security Administration. April 2016.

### **Radiation Emergency Assistance Center/Training Site**

Dainiak N., R. E. Goans, C. J. Iddins, Case C. Radiological and nuclear Terrorism: The Oncologic Emergency Response. In *Oncologic Emergency Medicine Principles and Practice* (Springer International Publishing, 2016).

Iddins C. J., S. R. Cohen, R. E. Goans, R. Wanat , M. Jenkins, D. M. Christensen, N. Dainiak. Case Report: Industrial X-ray Injury Treated with Non-cultured Autologous Adipose-derived Stromal Vascular Fraction (SVF). *Health Physics News*. 111(2): 112-116, June 2016.

Romm, H., C. Beinke, O. Garcia, M. Di Giorgio, E. Gregoire, G. Livingston, E. Lloyd, W. Martinez-Lopez, J. Moquet, S. Sugarman, R. Wilkins, E. Ainsbury. A New Cytogenetic Biodosimetry Image Repository for the Dicentric Assay. *Radiation Protection Dosimetry*. July 2016.

Shuryak I., Y. Sun, A. S. Balajee. *Advantages of Binomial Likelihood Maximization for Analyzing and Modeling Cell Survival Curves*. Prepared for the Radiation Research Society. May 2016.

### **Scientific Assessment and Workforce Development (SAWD)**

SAWD. *Health Physics Enrollments and Degrees Survey, 2015 Data*. Prepared for the U.S. Department of Energy. April 2016.

SAWD. *Nuclear Engineering Enrollments and Degrees Survey, 2015 Data*. Prepared for the U.S. Department of Energy. April 2016.

## **2016 ORAU Awards and Certifications**

### ***Operations***

- ORAU's Beryllium Laboratory remained in compliance with the current certification from the College of American Pathologists.
- ORISE's Radiochemistry and Environmental Services Laboratory received DOE Consolidated Audit Program approval and was ISO/IEC 17025 accredited for quality and accuracy of laboratory operations.
- Received ISO 9001: 2015 registration for quality management systems.
- Received ISO 14001: 2004 certification for environmental management.
- Received the 2016 Electronic Product Environment Assessment Tool (EPEAT) Purchaser Award from the Green Electronics Council.
- Received Voluntary Protection Program (VPP) Star site for the 12<sup>th</sup> consecutive year from U.S. Department of Energy for outstanding safety and health performance in managing the Oak Ridge Institute for Science and Education (ORISE) contract

### ***Human Resources***

- Identified as "2016 Top Diversity Employer" by *Black Equal Opportunity Employment Journal*