

Abstract for the 2017 Annual Health Physics Meeting, July 9-13, 2017

Raleigh, NC

Title: What Every Certified Health Physicist Should Know About Securing Radioactive Sources

The purpose of this presentation is to introduce the overall risk of malevolent use radioactive sources, and the reasons for securing large radioactive sources. Risk concepts will be used to describe the threat, vulnerability and consequences of malicious uses of radioactive material. The technical processes used to select the most important radionuclides to secure, and the thresholds of source activity will be briefly described. The presentation will include a discussion on the physical security approaches and techniques that every Health Physicist should know when working on source security issues.