

T2.1-P06. Design and Implementation of Buried Sources for the 2014 Integrated Field Exercise

The scenario for Integrated Field Exercise 2014 (IFE14) included the use of buried sources to approximate radiological deposition on the ground of sufficient strength to be detectable by radiation survey and in situ measurements. Ten 40-MBq Co-60 sources were used as surrogates for a large radioiodine deposition. The sources were buried and retrieved each day that field missions were in the proximity of their location near surface ground zero. This poster will review the choices made for this scenario implementation in regards to source strength, isotope, and source containers as well as the logistics involved in implementing this part of the scenario. Lessons learned from this implementation and implications for possible future exercises will also be discussed.

Primary author: MILBRATH, Brian (Pacific Northwest National Laboratory)

Presenter: MILBRATH, Brian (Pacific Northwest National Laboratory)

Track Classification: 2. Events and their characterization