

**TITLE:** RADIATION MONITORING AT THE MIDNITE MINE  
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**ABSTRACT:**

The Midnite Mine is an inactive uranium mine located on the Spokane Indian Reservation near Wellpinit, Washington. In 1993, the Congress directed the U.S. Bureau of Mines (USBM) to investigate remediation alternatives at the mine site. As part of this initiative, the USBM Denver Research Center has been collecting baseline radiation data. Radiation monitoring being conducted by the Bureau is essentially that described in NRC Regulatory Guide 4.14. Radon and radon decay products are continuously monitored by instrumentation developed at the Denver Research Center. Wind speed and direction, ambient temperature, relative humidity, barometric pressure and solar radiation are also measured. All data are dumped to a central computer and are periodically transmitted to the Denver Research Center via a cellular phone link. In addition to the central monitoring site, three other locations have been established for ambient air sampling. Airborne particulates collected at these stations are analyzed for Ra-226, The 230, Pb-210, and total uranium. Use of the continuous monitors provides a unique means of detecting extremely low levels of radon and radon decay products. The cellular phone link makes real time data acquisition feasible, and is well suited to use in remote areas.

**TITLE:** FACILITY INSPECTIONS  
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**ABSTRACT:**

This session will explore the reasons for conducting a facility inspection and review the types which can and should be conducted. Pre-inspection preparation, in-briefing, walk through, out-briefing and the importance of issuing an accurate report will be discussed.

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ABSTRACT BOOK

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