

# 623<sup>rd</sup> ASRC Seminar

Date: 14:25 ~ 14:55 Friday, February 26

Location: Conference Hall, ASRC Building

Speaker: Dr. Sue Brannon Clark  
(Pacific Northwest National Laboratory)

Title: Science-based environmental cleanup by  
Rocky Flats

Abstract: As reported recently by the US Department of Energy's (DOE), one of DOE's biggest challenges today is cleanup of the legacy resulting from more than half a century of nuclear weapons production. The research and manufacturing associated with the development of the nation's nuclear arsenal has left behind staggering quantities of highly complex, highly radioactive wastes and contaminated soils and groundwaters. DOE's Office of Environmental Management (EM) was charged with the legacy cleanup. Advances in science and technology can provide the foundation for completing the cleanup more swiftly, inexpensively, safely, and effectively. Recent studies on radioactive contamination at different DOE sites provide opportunities to highlight the complexity of the clean-up problem. In this presentation, recent studies on actinide and fission product contaminant transport at both humid and arid sites will be compared and contrasted. These studies provide examples of basic research that can support effective remediation decisions.

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