UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 16, 2018

Robert Weisenmiller, Chairman
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

SUBJECT: REQUEST FOR REVIEW OF REVISIONS TO NUREG-1507, "MINIMUM DETECTABLE CONCENTRATIONS WITH TYPICAL RADIATION SURVEY INSTRUMENTS FOR VARIOUS CONTAMINANTS AND FIELD CONDITIONS DURING DECOMMISSIONING"

Dear Mr. Weisenmiller:

The United States Nuclear Regulatory Commission (NRC) Office of Nuclear Material Safety and Safeguards (NMSS) requests review and comments on the enclosed revision to NUREG-1507, "Minimum Detectable Concentrations with Typical Radiation Survey Instruments for Various Contaminants and Field Conditions during Decommissioning." Upon resolution of any comments, the NRC will publish NUREG-1507, Revision 1.

This revision seeks to address the usage of radiological survey technologies and methodologies that have come into practice since the original document was published in 1998. For example, additional survey instrumentation and data capture tools have become more commonly used by licensees, including global positioning system (GPS) and geographic information system (GIS) technologies. The NRC has also recognized lessons learned opportunities related to detection efficiency calculations, background interferences, signal degradation, and other topics associated with radiation survey instrumentation.

Please provide your comments by October 17, 2018, to John Clements at 301-415-5878 or via email to john.clements@nrc.gov.

Sincerely,

/RA/

Bruce Watson, Chief
Reactor Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs

Enclosure: Draft NUREG-1507

cc: I. Schneider, CDPH

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