




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

September 4, 2024

MEMORANDUM TO: Paul Krohn, Director
Division of Nuclear Materials Safety
Region I

FROM: Jane Marshall, Director  Signed by Marshall, Jane
on 09/04/24
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

SUBJECT: RESPONSE TO TECHNICAL ASSISTANCE REQUEST, DATED
JULY 18, 2024, FOR THE REVIEW OF A DERIVED
CONCENTRATION GUIDELINE LEVEL USED AT THE MARSHALL
SPACE FLIGHT CENTER, HUNTSVILLE, ALABAMA

On July 18, 2024, Region I submitted a Technical Assistance Request (TAR) for staff in the Division of Decommissioning, Uranium Recovery, and Waste Programs (DUWP) in the Office of Nuclear Material Safety and Safeguards (NMSS) to assess the acceptability of a derived concentration guideline level (DCGL) that the National Aeronautics and Space Administration (NASA) used in a license amendment request to release a room at the Marshall Space Flight Center, Huntsville, Alabama.

Although the NMSS staff determined the NASA calculation omitted a key radionuclide, NMSS staff agreed with the Region I recommendation to accept NASA's use of their original DCGL value because the revised value calculated by NMSS staff did not change the adequacy of the measurement methods or the measurement results. Specifically, the NMSS staff determined that the minimum detectable concentrations remained adequate and that all static measurements for the impacted walls and floor were lower than the revised DCGL.

If you have any questions regarding this review, please contact Alec Hillier (alec.hillier@nrc.gov) or Christianne Ridge (christianne.ridge@nrc.gov) of my staff.

CONTACTS: Alec Hillier, NMSS/DUWP
630-829-9733

Christianne Ridge, NMSS/DUWP
301-415-5673

Enclosure:
Technical Evaluation Report

cc w/enclosure:
Randolph Ragland, Region I

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OFFICE	NMSS/DUWP/RTAB	NMSS/DUWP/RTAB	NMSS/DUWP	
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DATE	Aug 23, 2024	Aug 23, 2024	Sep 4, 2024	

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