



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

October 4, 2021

MEMORANDUM TO: Jacob I. Zimmerman, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: David H. Tiktinsky, Sr. Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: REQUEST FOR ALTERNATE DISPOSAL AND EXEMPTIONS FOR
COLUMBIA FUEL FABRICATION FACILITY WASTE DISPOSAL AT THE
US ECOLOGY IDAHO FACILITY (ENTERPRISE PROJECT IDENTIFIER
L-2021-LLA-0101)

On June 1, 2021, Westinghouse Electric Company, LLC (WEC) requested that the U.S. Nuclear Regulatory Commission (NRC) approve an alternate disposal request (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21153A001) under Title 10 of the *Code of Federal Regulations* (10 CFR) Section 20.2002, "Method for obtaining approval of proposed disposal procedures," for the disposal of specified low-activity radioactive materials from the Columbia Fuel Fabrication Facility.

A request for additional information (RAI) was sent by the NRC to Westinghouse on September 13, 2021 (ADAMS Accession No. ML21257A468). Westinghouse responded to the RAI on September 14, 2021 (ADAMS Accession No. ML21257A439) and indicated that they were going to split the request for an exemption into two parts. The September 14, 2021 request is only for disposal of 133,000 ft³ of Calcium Fluoride waste material which is contaminated with byproduct material and special nuclear material. The other waste material discussed in the June 1, 2021 request will be submitted under separate cover. US Ecology, Inc. (USEI), in coordination with WEC, requested corresponding specific exemptions from 10 CFR 30.3 and 10 CFR 70.3 pursuant to 10 CFR 30.11(a) and 10 CFR 70.17(a) (ADAMS Accession No. ML21166A092 and ML21258A221) to accept this material for disposal. Characterization of the material identified byproduct material and special nuclear material. The

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NRC's approval of the 10 CFR 20.2002 request, along with the requested exemptions, would allow WEC to transfer waste meeting the established criteria for disposal at the USEI Resource Conservation and Recovery Act Subtitle C disposal facility rather than requiring the disposal of the material in a 10 CFR Part 61 low-level waste disposal facility.

Enclosed is the staff's Safety Evaluation Report (SER) for this request. In the SER, the NRC staff concludes that the requested alternate disposal of 133,000 ft³ of CaF₂ sludge at the USEI facility is acceptable under 10 CFR 20.2002.

Docket No. 70-1151
License No. SNM-1107

Enclosure:
Safety Evaluation Report

cc: Westinghouse_ff@listmgr.nrc.gov

SUBJECT: REQUEST FOR ALTERNATE DISPOSAL APPROVAL AND EXEMPTIONS FROM DISPOSAL OF SPECIFIC COLUMBIA FUEL FABRICATION FACILITY WASTE AT THE US ECOLOGY IDAHO FACILITY (ENTERPRISE PROJECT IDENTIFIER L-2021-LLA-0101)

DATE: October 4, 2021

DISTRIBUTION:

FFLB r/f ASchwartzman, NMSS TVukovinsky, RII

ADAMS Accession Nos.: **ML21202A110 (Pkg)** **ML21202A111 (Memo)**
ML21202A112 (SER)

***via email**

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NAME	DTiktinsky	ELee	ASchwartzman/ CMcKenney	AGendelman	JZimmerman
DATE	9/21/2021	9/30/2021	10/4/2021	9/30/2021	10/4/2021

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