

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF SOUTH CAROLINA
AIKEN DIVISION

SAVANNAH RIVER SITE WATCH, TOM)
CLEMENTS, THE GULLAH/GEECHEE SEA)
ISLAND COALITION, NUCLEAR WATCH)
NEW MEXICO, and TRI-VALLEY)
COMMUNITIES AGAINST A RADIOACTIVE)
ENVIRONMENT,)

Plaintiffs,)

v.)

UNITED STATES DEPARTMENT OF)
ENERGY, JENNIFER GRANHOLM, in her)
official capacity as the Secretary, The)
NATIONAL NUCLEAR SECURITY)
ADMINISTRATION and JILL HRUBY,)
Administrator,)

Defendants.)

No. 1:21-cv-01942-MGL

**DECLARATION OF PATRICK
MOSS, IN SUPPORT OF
DEFENDANTS' RESPONSE
BRIEF**

I, PATRICK MOSS, make the following Declaration pursuant to the provisions of 28 U.S.C. § 1746.

1. I am employed by the National Nuclear Security Administration (NNSA) at the Los Alamos National Laboratory (LANL) in Los Alamos, New Mexico, as the Deputy Field Office Manager. I have served in this current capacity since February 2024. I have been engaged in Los Alamos plutonium manufacturing operations in several capacities since 2006.
2. In my capacity as the Deputy Manager, I regularly engage in plutonium manufacturing operations and have done so since 2006. My work in the plutonium facility includes detailed knowledge of all operations in the plant. I have also evaluated the Savannah River plutonium manufacturing operations as a nuclear criticality safety engineer which provided me insight into the processes to be used in that facility.
3. The amount of waste that will be created per pit produced during the pit production process will be fairly consistent between both sites, regardless of whether those pits are produced in Savannah River or in Los Alamos. The differences in manufacturing approach and plutonium polishing technologies used at each facility may impact the

operational source of the waste generated, but the overall amount of plutonium-loaded waste generated should be consistent between the two facilities.

4. Los Alamos will be implementing an americium recovery program that will reduce the amount of americium waste, but only to the extent that the private market for americium can absorb. The current market for americium is finite and will not be able to absorb all the americium that will be produced at Los Alamos. Additional Americium recovery operations will not be conducted once market demand is met and the balance will be discarded. It follows that the americium waste produced at Savannah River will be in further excess to the Los Alamos produced americium as waste and will have no market use.
5. The waste produced at Los Alamos from the pit production process will not be mixed with legacy waste. Los Alamos has not mixed legacy waste with new generation wastes during packaging of legacy waste in recent history and there is no expectation that legacy and new generation waste would be packaged together. Because legacy waste will not be mixed with current pit production process waste, a repeat of 2018 INL incident cannot occur.

I declare under penalty of perjury, pursuant to 28 U.S.C. § 1746, that the foregoing is true and correct to the best of my knowledge, information, and belief.

Executed this 4 day of June, 2024.



Patrick Moss
Deputy Field Office Manager for the National
Nuclear Security Administration at the Los Alamos
National Laboratory in Los Alamos, New Mexico