

SAFETY EVALUATION

BY

THE DIVISION OF MATERIALS LICENSING

NUCLEAR FUEL SERVICES, INC.

DOCKET NO. 50-201

LABORATORY STANDARDS AND TEST MATERIALS

By letter dated March 6, 1972, Nuclear Fuel Services, Inc. requested a change in Technical Specification 3.3 of License No. CSF-1 to increase the quantities of radioisotopes necessary for the West Valley laboratories to support the development of the low-level waste treatment plant and the expansion of its environmental monitoring program.

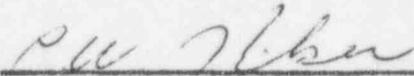
Technical Specification 3.3, Calibration, Laboratory Standard, and Testing Materials lists the radionuclides which maybe received, processed, stored, and used for standards, tests, measurements, and calibration.

The attached table indicates the changes in quantities requested by NFS. The table also shows the additional radionuclides for which NFS requested authorization.

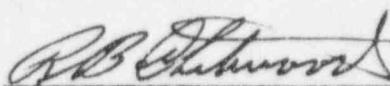
The changes in possession limits proposed for laboratory purposes will not increase the hazard from an accidental release of radioactivity from the facility. Limits presently in effect which govern the routine releases of radioactivity in effluents from the facility provide adequate protection of the public from the radionuclides listed.

Approval of the attached Change No. 17 to the Technical Specification of License No. CSF-1 is recommended.

Signed:


C. W. Nilsen
Irradiated Fuels Branch
Division of Materials
Licensing

Approved:


R. B. Chitwood, Chief
Irradiated Fuels Branch
Division of Materials
Licensing

<u>Material</u>	<u>Possession Limit</u>	<u>Form</u>
Plutonium	62. grams	any
Plutonium	14. grams	sealed source
Plutonium-242	6. grams	any
Plutonium-238	1. gram	any
Neptunium-237	3.5×10^{-3} curie	any
Americium-241	1.0×10^{-3} curie	any
Thallium-204	$5. \times 10^{-6}$ curie	any
Cesium-137	$5. \times 10^{-3}$ curie	any
Cesium-137	33. curies	sealed sources
Cesium-134	$5. \times 10^{-3}$ curie	any
Cerium-144	$1. \times 10^{-2}$ curie	any
Iodine-131	$6. \times 10^{-6}$ curie	any
Iodine-129	$5. \times 10^{-6}$ curie	any
Ruthenium-106	$1. \times 10^{-2}$ curie	any
Zirconium-95	$5. \times 10^{-2}$ curie	any
Strontium-90	$1. \times 10^{-2}$ curie	any
Strontium-85	$1. \times 10^{-2}$ curie	any
Krypton-85	3. curies	any
Zinc-65	$1. \times 10^{-2}$ curie	any
Cobalt-60	$5. \times 10^{-2}$ curie	any
Cobalt-58	$1. \times 10^{-2}$ curie	any
Manganese-54	$5. \times 10^{-3}$ curie	any
Antimony	$5. \times 10^{-3}$ curie	any
Any byproduct material with atomic numbers from 3 to 85 inclusive	$3. \times 10^{-6}$ curie each	any

(Change No.17)