10 CFR PART 71 QUALITY ASSURANCE PROGRAM FOR SHIPMENT OF ^{239} PLUTONIUM-BERYLLIUM NEUTRON SOURCES

(Please Type)

Site Name and Address: Gannon University

University Square, Erie, PA 16541

This Quality Assurance (QA) Program is limited to the shipment of ^{239} Plutonium-Beryllium (^{239}PuBe) neutron sources in model DOT 6M packaging from Gannon University (Site Name) to the United States Department of Energy, Los Alamos National Laboratory (LANL), Los Alamos, New Mexico. It is designed to meet the requirements of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material." The anticipated date of each shipment that will be made, the contents of each shipment, and the serial number of each ^{239}PuBe neutron source is provided below.

Estimated Shipment Date: Feb/3-7/97

Number of DOT 6Ms: One

^{239}PuBe Neutron Source Information:

SERIAL # N320B85	ELEMENT 32g	ISOTOPE 29g	CURIES 2.0Ci
SERIAL #	ELEMENT	ISOTOPE	CURIES
SERIAL #	ELEMENT	ISOTOPE	CURIES
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1. Organization (10 CFR § 71.103)

The final responsibility for the QA program for 10 CFR Part 71 Subpart H Requirement resides with Gannon University
(Site Name)

The QA Program is implemented by Paul B. Griesacker, Ph.D.

Department of Physics
(Name, Title & Department of Person Responsible for the Shipment)

The Paul B. Griesacker (Title of responsible individual) is responsible for the overall administration of this QA program, including training of personnel and all quality-related activities regarding the shipment of ^{239}PuBe neutron sources. These quality-related activities include, but are not limited to, inspection and identification of each DOT 6M upon receipt from LANL, or a Shipping Broker, as well as proper handling, packaging, inspecting, testing, and recording each shipment.

2. Quality Assurance Program (10 CFR § 71.105)

The management of Gannon University (Site Name) establishes and implements this QA Program based on the LANL manual "Plutonium Beryllium (^{239}PuBe) Neutron Source Recovery Program", dated February 1995, which is part of this QA Program. Training on the LANL manual for all QA functions is required before any quality-related activities are performed. The QA Program will emphasize control of the characteristics of the transportation package which are critical to safety.

3. Document Control (10 CFR § 71.113)

All documents related to each shipment of ^{239}PuBe neutron sources will be controlled. The Paul B. Griesacker (Title of responsible individual) shall assure that all QA functions are performed in accordance with the LANL manual.

4. Handling, Storage ,and Shipping Control (10 CFR § 71.127)

The procedures in the LANL manual will be followed concerning the handling, storage, and shipping of transportation packages. Shipments will not be made unless tests, certifications, acceptances, and final inspections have been completed.

5. Inspection, Test, and Operating Status (10 CFR § 71.129)

Inspection, test, and operating status of each transportation package for shipment of ^{239}PuBe neutron sources will be documented. Transportation package status will be indicated by tag, label marking, or log entry.

Nonconforming parts or transportation packages will be positively identified and segregated to avoid inadvertent use.

6. Quality Assurance Records (10 CFR § 71.135)

Records of transportation package inspections and tests will be retained for three years beyond the date this QA program ends. Records of each shipment will be retained for three years after each shipment occurs. The records will be identified and retrievable.

RESPONSIBLE OFFICIAL

Name: Paul B. Griesacker, Ph.D. (Type) Title: Professor of Physics (Type)

Signature: Paul B. Griesacker Date: 26 November 1996