



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

MAR 12 1974

*CCG &
File forward to
RD for Action -
check with Paulus
on matter aspects.*

Harley Thornburg, Chief, Field Support and Enforcement, RO

SHIPMENT OF CONTAMINATED REACTOR COMPONENT FROM OCONEE NUCLEAR
STATION TO UNAUTHORIZED RECIPIENT

Attached for your information and appropriate action is a copy of the shipment record covering the subject shipment. According to Oregon officials, the Bingham-Willamette Co. in Portland, Oregon is not licensed by the State to possess mixed fission products or activation products for non-destructive testing or repair.

Please let me know the action taken by RO in this matter in order that we may pass the information on to Oregon.

For your information, licenses authorizing repair, inspection, and testing of reactor system components at temporary job sites have been issued to utility companies.

Gene Blanc.

Gene A. Blanc, Chief
Agreements and Exports Branch
Directorate of Licensing

Enclosure:
Shipment record

8001070615

FROM: Duke Power Company
Oconee Nuclear Station
P.O. Box 1175
Seneca, S.C. 29178
LICENSE NO: DPR-38
ACCOUNTABILITY:

SHIP TO: Bingham - Willamette Co.
Portland, Oregon
LICENSE NO: OR9 0027-1
ACCOUNTABILITY: n/a

DESCRIPTION OF MATERIAL: 2-A-1 LOWER ROTATING SEAL
TYPE OF CONTAINER: Plastic Bags
NAME OF RADIONUCLIDES: MFP
PHYSICAL STATE: Solid Liquid Gas
METHOD OF SHIPMENT: Individual - Robert W. Sumrell
COLLECT: n/a
SPECIAL PERMIT NO: n/a
TRANSPORT GROUP: n/a
U233 Gms or Kgs U235 Gms or Kgs Pu238 Pu239 Pu241 Gms or Kgs Other Gms or Kgs
SPECIAL INSTRUCTIONS: Does this shipment require sole use of vehicle? No.
Does this shipment require notification of DOT? No. AEC? RECEIVER? YES.
COMMENTS:

DATE: 2-21-74 SIGNATURE (Originator): C.L. Thomas

REQUIRED DOT LABEL ON CONTAINER: I None II III
SHIPMENT EXEMPT - NO LABEL REQUIRED: PLACARDS REQUIRED ON VEHICLE:
TRANSPORT INDEX: PACKAGE: 41 SHIPMENT:
EXTERNAL RADIATION: CONTAINER SURFACE: 0.2 MR/HR.
3 FT. FROM SURFACE: 41 MR/HR.
EXTERNAL SURFACE OF VEHICLE: .2 MR/HR.
6 FT. FROM EXTERNAL SURFACE OF VEHICLE: 41 MR/HR.
READING IN CAB: n/a MR/HR.
EXTERNAL CONTAMINATION: ALPHA 250 DPM/100 CM²
BETA <200 DPM/100 CM²

SAFETY HAZARDS NOTED: None
SIGNIFICANT MONITORING RESULTS AND REMARKS: (Attach additional sheets as necessary to list drums, etc.)

DATE: 2-21-74 HEALTH PHYSICS TECHNICIAN: D.L. Davidson
CONTENTS RADIATION LEVELS, PACKAGING, AND LABELING CHECKED FOR COMPLIANCE WITH APPLICABLE REGULATIONS
DATE: 2-21-74 HEALTH PHYSICS SUPERVISOR: C.L. Thomas

THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION (DOT).

DATE: 2-21-74
DATE SHIPPED: 2-21-74
ESTIMATED ARRIVAL DATE: 2-22-74
REQUIRED NOTIFICATIONS MADE: Yes
VIA: Verbal to - Carrier
SIGNATURE (Shipper): C.L. Thomas

White Copy - Accompanies Shipment
Yellow Copy - Health Physics Department Report Rec
Pink Copy - Fissile Material (SM) Accountability

SHIPPING INSTRUCTIONS

HEALTH PHYSICS CONTROL

SHIPMENT APPROVAL OR RELEASE

20100615

HEALTH DIVISION

File - Bingham-Willamette
ORE-0027-1

March 4, 1974

David Wagstaff

Investigation of Reported Contaminated Equipment

It was reported to the writer that the licensee had received a stainless steel "O" ring that had been a part of a Bingham-Willamette pump that been involved in a failure within a primary loop on a reactor. That part had been contaminated with HFP. See attached "Radioactive Shipment Record."

The writer investigated this report and found that the "O" ring part did contain detectable activity although no removable contamination was detected. A Ludlum Model 14A thin end window GM survey meter was used. Surface readings were maximum 0.7 mr/hr and an average of 0.5 mR/hr over the entire surface area.

DGW:ah