



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TELEPHONE
(312) 858-2660

August 28, 1973

R

Region III Files

VERIFICATION OF GULF UNITED NUCLEAR FUELS CORPORATION EXPORT SHIPMENT

On August 23, 1973, an inspection at the Gulf facility was made of uranium metal as broken biscuit material, approximately 93% U-235. The metal was being packaged for shipment to the Hydro-Electric Power Commission of Ontario, Toronto, Ontario, Canada. The intermediate consignee is Eldorado Nuclear Limited of Port Hope, Ontario, Canada.

The Toledo balance was first checked with working weight standards at various normal use weight ranges plus several zero point checks. The balance was found to be operating satisfactory. The metal was first put in plastic bags and then in two metal cans. Each plastic bag contains metal from a separate biscuit number. Tare weights on similar metal cans and plastic bags were first obtained, and they checked with the listed tares on the container. Gross weights on the uranium in the two metal cans weights were then weight checked.

There were no AEC seals available, since the inspection team was at Gulf for another inspection and could not anticipate this foreign shipment verification job. It was necessary to use Gulf seals on both the inner and outer containers. The inner container was the usual 6" I.D. x 5" deep steel container. One seal was used on each of these containers in the center of a wire 180° across the bolt holes. The two outer containers were 15 gallon steel drums, DOT Permit No. SP 6300, UNC Model No. 1352.

Other pertinent data is listed below:

Gulf Inner Seal No.	4993
Gulf Outer Seal No.	4528
Outside Container No.	9
Biscuit Numbers	87, 88 & 89
Uranium metal weight	10,498 grams

Gulf Inner Seal No.	4430
Gulf Outer Seal No.	4830
Outside Container No.	11
Biscuit Numbers	89, 90 & 91
Uranium metal weight	10,496 grams
Number of analytical samples	3
Total Uranium metal weight	20,994 grams

E-40

The three analytical samples were sent to New Brunswick Laboratory on August 24, 1973, on AEC-741 No. ZWQ-FBE-61. This shipment should leave for Canada before September 1, 1973, according to licensee information. A copy of the application for export license is enclosed.

Ch. St. Julien
for J. A. Hind, Chief
Materials and Plant
Protection Branch

Enclosures:
As noted above

cc: MSFPB, HQ, w/encl
RO: Files, w/encl
DR Central Files, w/encl