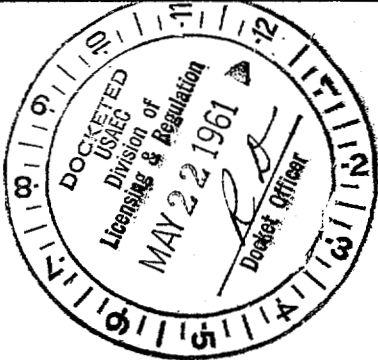


File by

ENGELHARD INDUSTRIES, INC.



D. E. MAKEPEACE DIVISION
PINE & DUNHAM STREETS
ATTLEBORO, MASS.
ATTLEBORO 1-0090

May 18, 1961

Myrtle-5-9358

U.S. Atomic Energy Commission
Division of Licensing and Regulation
Germantown, Maryland

ATTENTION: Mr. J. C. Delaney Chief,
Nuclear Materials Section

REFERENCE: Docket 70-139; SNM-185; Our letter of March 1, 1961.

SUBJECT: Request for Amendment to Store Additional PRDC Core
Subassemblies.

Gentlemen:

Due to the unforeseen delays in the grinding of colmony pads on PRDC core subassemblies, it has become necessary to provide storage for an additional 24 of these assemblies. Per your telegram of March 21, we have authorization to store 191 Kg. of U-235 content in 39 core subassemblies in accordance with procedures submitted in our application dated March 1, 1961. We now request authorization for the storage of an additional 24 core subassemblies (118 Kg. of U-235) in accordance with the same storage procedures as previously submitted.

It is our intention to construct a caged area 8 feet wide by 20 feet long to be located in a locked metal storage building. This building is adjacent to our main plant building and is included in our plant security program. The storage building is equipped with a radiation detection alarm, since PRDC fuel pins are currently stored in this building. Movement into and out of the storage cage and building will be controlled by Criticality Control personnel.

*Compl. eq.
sent 5-25-61
J.P.*

Mr. John C. Delaney Chief • Page Two
Nuclear Materials Section

May 18, 1961

The building itself is not heated or sprinklered and, therefore, the possibility of flooding is negligible although it has been considered in setting up spacing requirements between individual units. We refer particularly to Exhibit 8, to application for special Nuclear Materials License submitted by Power Reactor Development Company, which indicates that a 14" center-to-center spacing is safe under full or partial flooding conditions. Our spacing will be 19" center-to-center between adjacent units which gives an additional safety factor.

Cores will be suspended in the same manner as specified on our drawing SK-87 previously submitted. Only one (1) core will be moved into or out of the storage cage at any one time.

We trust that since the procedures to be followed in our new storage area are exactly the same as these previously approved, a minimum of processing will be necessary for your approval.

Should further information be required, do not hesitate to call the writer collect. Your earliest attention to this matter will be appreciated in order that our production schedule will not be seriously disrupted.

Very truly yours,

Norton M. Weiss

Norton M. Weiss
Health & Safety Manager

NMW/sl

