East Hartford

October 25, 1967

U. S. Atomic Energy Commission
Washington, D. C. 20545

Attention: Mr. Robert E. Brinkman
Isotopes Branch
Division of Materials Licensing

Subject : Byproduct Material License No. 06-00550-03

Gentlemen:

Please amend Byproduct Material License No. 06-00550-03 to provide for the use of large quantities of high specific activity cobalt-60 and structural materials in the existing hot cell facility (Building 450) located at our plant (CANEL facility) in the Maromas Area of Middletown, Connecticut. The information required to amend the license is attached to this letter. Item numbers are identified in Form AEC-313 - Application for Byproduct Material License.

Very truly yours,

UNITED AIRCRAFT CORPORATION
Pratt & Whitney Aircraft Division

R. P. Azinger
Assistant Secretary

RPA:rwv
Attachment

STS4S

N-39

Item 6. (a) Byproduct Material (b) Physical form and maximum number of curies

Add:	Cobalt 60	Metal shapes	100,000 curies
	Irradiated Stainless Steel	Metal shapes	10,000 curies

Item 6 Purpose for which Byproduct material will be used.

Add H:

Process cobalt-60 metal shapes, and encapsulate in containers designed by a licensed vendor. All capsule work and materials provided by Pratt & Whitney Aircraft will be to vendor specifications. Typical operations are as follows:

Receive material in vendor's shipping container.

Transfer irradiated material into hot cell equipped with remote handling equipment.

Remove cobalt-60 from irradiation capsule, and cut or otherwise machine the material.

Weigh and determine specific activity.

Place a weighed amount of material in a capsule.

Weld, decontaminate and leak check capsule.

Place capsule in secondary container, weld, decontaminate and leak check.

Repeat leak check after seven days.

Transfer capsule to vendor's shipping container.

Deliver container to licensed shipper.

Notes:

Part or all of the material may be stored for variable periods of time.

Samples may be prepared for chemical and radiochemical analysis.

Radioactive residues will be handled as solid radioactive waste, and will be packaged for disposal. The packaged waste will be picked up by an approved waste disposal firm.

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