

CURTISS-WRIGHT CORPORATION
RESEARCH DIVISION
QUEHANNA, PENNSYLVANIA
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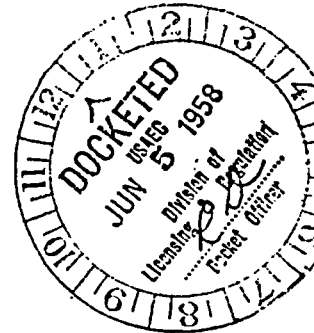
FILE NO. 50-39-
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Suppl. for

June 3, 1958

United States Atomic Energy Commission
Division of Licensing and Regulation
Washington 25, District of Columbia

Attention: Mr. Lyall Johnson
Licensing Branch

Handwritten notes and initials



Gentlemen:

In a letter dated February 24, 1958, I advised the Commission that Curtiss-Wright intended to obtain two additional control rod fuel elements for use as spares for the Curtiss-Wright Research Reactor. My purpose in writing at that time was to request advice on how to clear this acquisition from the licensing standpoint. Mr. Frederick C. Lee of the Licensing Branch was kind enough to make several suggestions.

Following Mr. Lee's advice, I am enclosing a revision of Schedule 2, "Estimated Schedule of Transfers of Special Nuclear Material from Curtiss-Wright to the Commission," from appendix "A" to Curtiss-Wright's Construction Permit, Docket No. F-39. We were originally allocated 6.0 Kg. of contained U-235. 4.5 Kgs were to be incorporated in 32 fuel elements. The fabricator is now assembling 2 additional elements, bringing the new total to 34. This increases our total U-235 inventory to 4.7 Kg and reduces the estimated amount to be returned from 1.5 Kg. to 1.3 Kg. This change is reflected in the revised Schedule 2.

An amendment to license no. SNM-172 (docket no. 70-195) under which the storage, use and transportation of the fuel elements within very clearly defined limits is authorized, was issued on March 4, 1958. This amendment increased the possession limit from 4.5 to 4.7 Kg. Mr. Lee advised me that since the two new elements are to serve merely as spares it would not be necessary to amend our application for a facility license, hazards report, etc. While it is substantially true that these two additional elements will not be used for routine operation, we may wish to place them in the core occasionally. In particular, we wish to use one of them in the very near future for the determination of void

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Mr. Lyall Johnson

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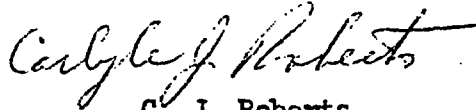
June 3, 1958

coefficient of reactivity. These two new elements will be stored in the reactor pool along with the 32 elements previously authorized. In view of these circumstances, I would appreciate further advice on the steps we should take to fulfill all legal obligations. If nothing more is required, a written statement to that effect would be most welcome.

Thank you for your continuing cooperation.

Very truly yours,

CURTISS-WRIGHT CORPORATION
RESEARCH DIVISION



C. J. Roberts
Nuclear Power Department

CJR:BB

FILE NO. 50-27
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Appendix "A" to Curtiss-Wright's Construction
Permit Docket No. F-39

Schedule 2

Estimated Schedule of Transfers of Special Nuclear
Material from Curtiss-Wright to the Commission:

<u>Calendar year of Transfer</u>	<u>Kilograms of Contained Recoverable Scrap</u>	<u>U-235 Spent Fuel</u>	<u>Total</u>
1957	-----	-----	-----
1958	1.3	-----	1.3
1959	0.8	3.0	3.8
1960-1976 (17 yrs. total)	17.0 (1)	64.6 (2)	81.6
1977 return of inventory	-----	4.4	4.4
		<hr/>	<hr/>
		72.0	91.1

- (1) 1.0 kilogram per year
- (2) 3.8 kilogram per year

