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SUBJECT OR TITLE

Dissolve - Silver Reactor Temperature

Requirements. (DPW-3122)

TO

V. R. Cooper

FROM

L. C. Evans

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ROUTE TO:	READ BY:	DATE	ROUTE TO:	READ BY:	DATE
V. R. Cooper	VR	9/4/51			
AGB	AGB	9/14/51			
5AS					
O. F. Miller	(OFR)	9/14/51			
	Kidwell	11/3/51			
T. R. McKeen		SEP 16 1951			

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GEH18818

Mr. V. R. Cooper, Chief
Process Assistance
Separations Technology Unit
General Electric Company
Hanford Works
Richland, Washington

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29 August 1951

By Authority of

per doc 1923
Dg Kresner 8/11/92

By

DISSOLVE - SILVER REACTOR TEMPERATURE REQUIREMENTS
ref: V. R. Cooper Ltr. to L. C. Evans dtd. August
3, 1951 - same subject.

Dear Mr. Cooper:

We appreciate your letter of August 3 describing the work Hanford has done to solve the earlier difficulties that had been experienced with silver reactor efficiencies. Your letter shows definitely that the drop in silver reactor efficiency was caused by high temperature gases removing silver nitrate from the reactors. More recent information received from you through S. A. McNeight indicates that silver reactors will perform efficiently at 350°F. We are pleased to hear this since it means that we can heat our gases with steam instead of electrically, thus obtaining much closer temperature control and simplified procedures and maintenance. We are changing our design accordingly and are transmitting this information to Oak Ridge National Laboratory where a silver reactor will be in operation shortly.

S. A. McNeight informs us that you will summarize your experience at 350° in the near future.

Yours very truly,

ATOMIC ENERGY DIVISION

L. C. EVANS,
TECHNICAL DIVISION.

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