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U.S. DEPARTMENT OF ENERGY  
Engineering Center

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To: R. V. Carl

From: David L. Newby, Jr.

Final Report and Recommendations  
to Increase the Capacity  
of Distillation Plants at  
Eniwetok and Fanning Islands

February 23, 1953

As per your instruction by memorandum dated February 19, 1953, the following is Mr. W. F. Escher's report regarding the above subject:

"This morning I telephoned Mr. James ... of the Clearing-Brooks Company to learn what effect a ... increase in operating pressure (from 50 to 60 psig) would have on our distillation equipment. Mr. Sturmer stated that the equipment was designed for operating pressures up to 100 psig and that it is possible the higher pressure will result in less fouling resulting slightly more maintenance, but he felt that the increase will be negligible. The fouling rate is directly proportional to the operating temperature. However, the increase in temperature will be negligible and the increase in fouling rate will be negligible also."

From previous experience, it is believed that an increase in operating pressure will result in a negligible increase in production with a corresponding increase in the maintenance requirements."

As per your memorandum of February 19, 1953, the following operating procedures as recommended will cover the ...

DEPARTMENT OF ENERGY DECLASSIFICATION GUIDE	
SINGLE REVIEW AUTHORIZED BY <i>AA Simisgalli 7-23-54</i>	DETERMINATION OF DECLASSIFICATION
REVIEWER (ADD):	DATE:
NAME: <i>DD Lane</i>	DATE: <i>8/17/94</i>

*David L. Newby, Jr.*  
Chief Project Engineer

- cc: Control-Operations
- Project Management
- C. L. East
- W. F. Escher
- J. W. Lusk
- Project Engineering
- Engineering File
- Control File

Approved: \_\_\_\_\_  
Chief Project Engineer

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