

~~CONFIDENTIAL RD~~

### DECLASSIFICATION DETERMINATION

I have determined, pursuant to section 142a of the Atomic Energy Act of 1954, that the following information can be published without undue risk to the common defense and security of the United States, and can, therefore, be declassified and removed from the category of Restricted Data:

The fact that etching or plating is used in the manufacturing of seal disks, including the term "nickel plated seal disk".

Fact that brakes are necessary on compressor motors to avoid damaging seals during shutdown.

Fact that positive clearances between sealing surfaces depend upon grooves, channels, and/or etched patterns on the mating surfaces of the seal disks.

Fact that compressor shaft seals are hydrodynamic gas bearing seals or that the seals operate on a viscosity pump principle.

Chemical and physical specifications of a finished seal disk, not revealing manufacturing specifications.

W.A. Eckroade 10/2/2012  
date

William A. Eckroade  
Principal Deputy Chief for Mission  
Support Operations  
Office of Health, Safety and Security

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1st REVIEW DATE: 3-7-11	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: DOE OIG	1. CLASSIFICATION RETAINED
NAME: J. A. ...	2. CLASSIFICATION CHANGED TO:
2nd REVIEW DATE: 3-24-11	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: DOE	4. COORDINATE WITH:
NAME: ...	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): <u>THIS DOC</u>

~~RESTRICTED DATA~~  
This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure is subject to Administrative and Criminal Sanctions.

Classified By: ~~Tom O'Boyle, Scientist,~~  
HS ...  
Derived From: ~~EG-PGD-5, 12/95, DOE OC~~

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