



SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, Box 15830, Sacramento, California 95813; (916) 452-3211

RECEIVED

1982 AUG 12 AM 11: 58

August 3, 1982

REGION V

R H ENGELKEN, REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
U S NUCLEAR REGULATORY COMMISSION
1450 MARIA LANE SUITE 210
WALNUT CREEK CA 94596

DOCKET NO. 50-312
LICENSE NO. DPR-54
RESPONSE TO IE BULLETIN NO. 82-02, SUPPLEMENTAL INFORMATION

The Sacramento Municipal Utility District hereby submits the following information to supplement our report dated July 28, 1982 on the above-mentioned bulletin.

Bulletin item number 3.b requested the chemical composition of fastener lubricant used on bolted closures. As stated in our report, Molykote G has been and is being used on Reactor Coolant Pump B fasteners. Initially, the District was unable to obtain analysis of Molykote G because the manufacturer, Dow Corning Corporation, had indicated that they considered the chemical composition proprietary. The District has since obtained an analysis of Molykote G. The analysis was performed in 1971 and gives the chemical composition as follows:

Chloride	<0.01 (%)
Fluoride	
Sulfur as SO ₃	65.4 (%)
Phosphorus	<.01 (%)
Sodium	
Ash	3.75%(% ash @900 ⁰ C)
Other:	
	29.6% Mineral oil CHCl ₃ Extraction
Moly. as MoO ₃ -	40.6%
as Mo -	26.8%

8208230244 820803
PDR ADOCK 05000312
PDR
G

1E11

August 3, 1982

Spec Semi-Quant Analysis (%)*

Silicon as SiO_2	3.7
Aluminum as Al_2O_3	1.8
Iron as Fe_2O_3	0.7
Titanium as TiO_2	0.1
Calcium as CaO	0.1
Magnesium as MgO	0.9
Sodium as Na_2O	0.5
Nickel as NiO	<0.2
Chromium as Cr_2O_3	<0.2
Molybdenum as MoO_3	Major (>10.0%)
Vanadium as V_2O_5	<0.1
Cobalt as CoO	<0.06
Manganese as MnO_2	<0.06
Copper as CuO	<0.1
Zinc as ZnO	<0.5
Lead as PbO	<0.06
Tin as SnO_2	<0.06
Zirconium as ZrO_2	<0.06

Analysis for Metals (AA)

Aluminum as Al
 Antimony as Sb
 Arsenic as As
 Bismuth as Bi
 Boron as B
 Cadmium as Cd
 Copper as Cu
 Lead as Pb
 Mercury as Hg
 Silver as Ag
 Tin as Sn
 Zinc as Zn

*These elements are reported as the oxide because of the analysis method used. This does not necessarily imply their presence as such.

John J. Mattimoe

John J. Mattimoe
 Assistant General Manager
 and Chief Engineer

Subscribed and sworn to before me this

9th day of August, 1982.

Mary Alice Bay
 Notary Public

