



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MAY 7 1979

MEMORANDUM FOR: Harold T. Peterson, RHSB, SD
FROM: Lawrence K. Cohen, FFMSI, IE
SUBJECT: THERMOLUMINESCENT DOSIMETER RESULTS FROM THE
PRELIMINARY NBS STUDY

External Exposure

<u>Badge Identification</u>		<u>Measurements, mR</u>			
RMC 801	15	76.2	73.1	86.6	85.7
	804	-	95.1	81.1	101.0
		-	79.1	69.0	90.4
		-	79.5	66.8	78.4
		-	76.9	70.7	84.7
		-	80.3	62.6	76.8
Control	59	0	1.8	1.2	1.2
RMC Panasonic					
	077	79.7	147.4		
	258	157.5	161.6		
Teledyne					
	9G1	83.5 (net control of 12 mR subtracted)			
BRH					
		115			
EPA					
	29	37.4 (corrected for 81 KeV)			

Immersion Exposure

<u>Badge Identification</u>		<u>Measurements, R</u>			
RMC 801	18	34	7.58	8.33	7.02
		22.5	7.95	9.39	6.91
		16.5	4.26	5.03	4.48
	804	-	8.13	8.10	7.88
			7.91	7.36	7.90
			9.51	10.20	9.83
			9.51	9.20	9.67
			3.37	4.76	3.32
	57				

8001170623 P

RMC Panasonic

102
219

0.393 0.470
0.353 0.363

Teledyne 4G1

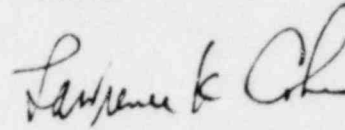
3.924

BRH

1.080

DPA

0.943



Lawrence K. Cohen
FFMSI, IE