

TESTIMONY OF DR. MORTON I. GOLDMAN  
REVISED PARAGRAPH, PAGE 34

Applying a similar approach to the large mine PNL model [14], I calculate that during the 17 year mine life,  $8.76 (8.78) \times 10^6$  MT of sub-ore averaging 0.015% (0.0155%)  $U_3O_8$  would have been accumulated with a total Ra-226 content of 367.6 (384.3) Ci, emitting 279 (300) Ci/yr of Rn-222. In this model, the sub-ore pile is 100 feet in height and 1590 (1150) feet in base diameter; its complete erosion in any reasonable time frame seems highly unlikely. Nevertheless, assuming this pile to be completely dispersed, the resulting Rn-222 emission would be about 4860 (5100) Ci/yr, 4580 (4800) Ci/yr more than that calculated by PNL for the sub-ore pile, or an increase in the emission per AFR-year from 39 (33) Ci to 169 (139) Ci Rn-222.

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of )  
 )  
METROPOLITAN EDISON COMPANY, ET AL ) Docket No. 50-320  
 )  
(Three Mile Island Nuclear Station, )  
Unit 2) )

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of )  
 )  
PUBLIC SERVICE ELECTRIC ) Docket Nos. 50-354  
& GAS COMPANY, ET AL ) 50-355  
 )  
(Hope Creek Generating Station, )  
Units 1 and 2) )

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of )  
 )  
PHILADELPHIA ELECTRIC ) Docket Nos. 50-277  
COMPANY, ET AL ) 50-278  
 )  
(Peach Bottom Atomic Power )  
Station, Units 2 and 3) )

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UNITED STATES OF AMERICA  
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BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of )  
 )  
ROCHESTER GAS AND ELECTRIC ) Docket No. STN 50-485  
CORPORATION, et al )  
 )  
(Sterling Power Project )  
Nuclear Unit No. 1) )

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