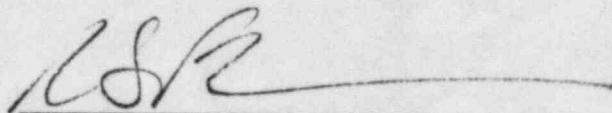


PHILADELPHIA ELECTRIC COMPANY  
Peach Bottom Atomic Power Station  
Unit No. 1 Decommission Annual Report  
Docket No. 50-171

The following summarizes the status of the Peach Bottom Unit No. 1 Decommission Facility for the year of 1982, based on the semiannual inspections required by Technical Specification Requirement 8.2.4(a).

1. There is no significant damage or structural deterioration observed in the security fence surrounding the exclusion area.
2. There is no significant damage or structural deterioration observed in the containment vessel, spent fuel building enclosure, or radwaste room within the exclusion area.
3. There is no significant damage or structural deterioration observed in the designated barricades within the exclusion area.
4. There is no condition observed indicating a degradation in the security controls and procedures.
5. There is no evidence of ground water movement between the exclusion area and outside the exclusion area.
6. There is no significant change in the radiation or contamination levels in the facility.
7. There are no removable contamination levels above 100 dpm detected.
8. The radiation levels in all areas were less than 0.1 mR/hr.
9. Maximum airborne activity was  $1.1 \times 10^{-9}$   $\mu$ Ci/cc. Isotopic analysis identified source to be naturally occurring short lived daughters from the radium present in the concrete.
10. Absolute filter sample on containment equalization line indicate.  
Radiation Level - less than 0.2 mR/hr.  
Contamination Level - less than 100 dpm
11. There were no reportable occurrences reported during the year to the NRC as required by Technical Specification 8.2.4(b).



R. S. Fleischmann II