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Phase 3 SDP Analysis

- Performance Deficiency
 - ANO Unit 1 fire zone 99-M (North Electrical Switchgear Room) did not meet regulatory requirements for separation of electric cables and equipment of redundant trains of systems necessary to achieve post-fire safe shutdown, and there was lack of adequate procedures for manual actions to achieve post-fire safe shutdown following a fire in fire zone 99-M (or other identified fire zones equivalent to 99-M)

- Assumptions
 - Red train cables are not protected with one-hour rated barrier, and are not separated from the Green train cables by a minimum of 20 feet distance free of intervening combustibles
 - No automatic fixed fire suppression system
 - Ionization detection system provides alarm in Main Control Room
 - Credit for fire brigade response and arrival at fire zone 100-N, which is adjacent to fire zone 99-M
 - Heat release rates of 200-500 kW in fire modeling of duration and severity

EX 5

Information in this report was prepared in accordance with the Freedom of Information Act, exemptions 5
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