

UFSAR Revision 30.0

 <p>INDIANA MICHIGAN POWER <small>An AEP Company</small></p>	INDIANA MICHIGAN POWER D. C. COOK NUCLEAR PLANT UPDATED FINAL SAFETY ANALYSIS REPORT	Revision: 18.1 Table: 14.0-1 Page: 1 of 1
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OCCURRENCES EVALUATED FOR VANTAGE 5 FUEL

Fault Conditions Evaluated FSAR Section	Accident
14.1.7	Startup of an Inactive Reactor Coolant Loop
Fault Conditions Analyzed FSAR Section	Accident
14.1.1	Uncontrolled Rod Cluster Control Assembly Bank Withdrawal From a Subcritical Condition
14.1.2	Uncontrolled Rod Cluster Control Assembly Bank Withdrawal at Power
14.1.3	Rod Cluster Control Assembly Misalignment
14.1.4	Rod Cluster Control Assembly Drop
14.1.5	Uncontrolled Boron Dilution
14.1.6	Loss of Reactor Coolant Flow (including Locked Rotor Analysis) ¹
14.1.8	Loss of External Electric Load or Turbine Trip ⁽¹⁾ , ² ,
14.1.9	Loss of Normal Feedwater ³ , ⁴
14.1.10	Excessive Heat Removal due to Feedwater System Malfunctions
14.1.11	Excessive Load Increase Incident
14.1.12	Loss of Offsite Power to the Station Auxiliaries ⁽³⁾ , ⁽⁴⁾
14.2.4	Steam Generator Tube Rupture
14.2.5	Rupture of a Steam Line
14.2.6	Rupture of a Control Rod Drive Mechanism Housing (RCCA Ejection)
14.2.8	Major Rupture of a Main Feedwater Pipe ⁽³⁾ , ⁽⁴⁾
14.3.1	Major Reactor Coolant Pipe Ruptures
14.3.2	Loss of Reactor Coolant From Small Ruptured Pipes From Cracks in Large Pipes which Actuates the Emergency Core Coolant System

¹ Reanalyzed to support PSV setpoint tolerance of $\pm 3\%$.

² Reanalyzed to support MSSV setpoint tolerance of $\pm 3\%$.

³ Evaluated to support MSSV setpoint tolerance of $\pm 3\%$.

⁴ Evaluated to support PSV setpoint tolerance of $\pm 3\%$.