Nuclear Reactor Upgrade/Cost Estimate to mitgate Loss of Coolant Causality

**Paper details:**

This needs a recommendation for item/items to help mitigate from a loss of coolant causilty in a nuclear reactor. One recommendation is below: https://medium.com/@ResearchFeatures/loss-of-coolant-accidents-in-nuclear-power-plants-a-smart-solution-to-preventing-disasters-da4a47f9f64b Something similar or additional items are allowed. 5 References would be needed as well. Research and develop a design concept that could mitigate the consequences or prevent the event from occurring in the future- This is where you apply knowledge from nuclear engineering technology courses- Thermodynamics, radiation protection, materials (nuclear materials), reactor core fundamentals, electrical, etc. Provide a recommendation for a new or improved design concept, operations, maintenance, quality assurance, and quality control. Your analysis must include mathematical concepts/equations. Reference applicable rules and regulations and revisions to the rules and regulations as a result of the event. Research and develop recommendations related to any identified ethical/organizational issues. Provide a cost estimate for the implementation of the recommendation The design recommendation should be presented in a paper that includes the information above. The paper should be 10 – 15 pages in length excluding title page and attachments. Ensure you clearly document any assumptions made in the analysis and cost estimate.