

Review of the Project Group: EPR 42**Group Code: 42****Full title: EPR: European Pressurized Water Reactor**

Intended learning outcome (ILO)	Grade (0-3)	Explanation for the grading of the evidence of achieving respective ILO. Suggestions for improvements and other comments
1. <i>Collect information on</i> General design specification of the nuclear power plant with selected reactor type (Task 1, ILO1, ILO2)	3	The design features of the EPR reactor were described well using pictures and written explanations.
2. <i>Describe</i> the Operational principles of the power plant. (Task 2, ILO1, ILO2)	3	The operational principles were described adequately.
3. <i>Explain</i> the Safety features of the power plant. (Task 3, ILO1, ILO2)	3	All the safety features were described adequately with both written explanations and visual aid.
4. <i>Calculate</i> the Selected core parameters (Task 4, ILO3)	1	The methodology for the calculations was clearly described and explained. The necessary results were presented properly. But the acceleration pressure drop was not taken into consideration. This is a major issue that requires further work to be addressed properly because it will affect the work in tasks 5 and 6 as well, not just this task.
5. <i>Calculate</i> the CHF margins in a hot channel (Task 5, ILO4a)	2	The methodology for the calculations was clearly described and explained. All the necessary results were presented properly. But there was no comparison of the calculated MDNBR against published values for the EPR design. Hence, it is not possible to conclude if the calculation was actually correct or not.
6. <i>Calculate</i> the Maximum cladding and fuel pellet temperature (Task 6, ILO4b)	3	The methodology for the calculations was clearly described and explained. All the necessary results were presented properly and some key parameters were compared against the safety margins of the materials. Thus, all the requirements of the task were fully satisfied.

Other comments: There are a lot of grammatical mistakes in both general text and section/subsection titles. These should be addressed if possible.