26p280 RE2v1 Rubric: **No RE2v1 sent to peer on time : -5 from RE2v2** **No writer's memo: -10** **RE2v1 submitted late: -15**
Incorrect facts/content included from AI draft: -15

Features:	**Description:**	**Range**	**Comments for 2-3 primary features (by % weight)**
Coverage of issues & information	In making the case for funding the Manhattan Project, be sure to include the following technical content (not necessarily in this order): ● The definition of (a) a fissionable nuclide, (b) a fissile nuclide and (c) a fertile nuclide. In your explanation, list (d) an example of a fissile nuclide, (e) an example of a fissionable nuclide that is not fissile, and (f) an example of a fertile nuclide. ● The definition of (a) a nuclear-explosive nuclide and (b) a nuclear explosive material. Explain (c) whether or not all fissile nuclides are nuclear-explosive nuclides. Explain (d) why some nuclides that are not fissile are nevertheless nuclear-explosive. In your explanation, (e) list an example of an important nuclear-explosive nuclide that is not fissile. ● Explain in one or two paragraphs the basic, general requirements for achieving a nuclear explosion using nuclear explosive material. n.b. Do not go into any of the details of particular weapon designs. ● Explain in (a) one paragraph why the energy released in a nuclear explosion is much greater than the energy released in the explosion of a conventional bomb. In (b) a separate paragraph illustrate the magnitude of energy release of a nuclear explosion when deployed strategically.	15% **High** **Mid** **Low**	
Accurate use of concepts	Accurate, clear definitions of: ● Fissile, fissionable and fertile ● NEM, NEN Accurate explanation of: ● Nuclear explosion using NEM ● Energy release greater than conventional bomb	5% **High** **Mid** **Low**	
Explanation & argument	● Writer's approach is persuasive ● Technical content is integrated into the persuasive case ● Explanations use careful logic and evidence in reasoning about concepts and their applications	5% **High** **Mid** **Low**	

Professional & adaptive style	● Geared toward college-educated member of Congress ● Congruent with Congressional Research Service report style: text is clear, concise, organized; uses a tone appropriate to writing situation (CRS report) ● Comprehensive and thoughtful use of sources (need both "Physics and Technology of NEM" and course slides). ○ Source info cited according to assignment sheet	20% **High** **Mid** **Low**	
Conformity to conventions	● 1 page, single spaced ● Title and section headings specified in prompt ● Header and date in correct format ● Page numbers ● 12-point Times New Roman font throughout, including page numbers (except if specified in prompt) ● 1.25" side margins and 1" top margins and .5" bottom margins. ● Citation practices specified in prompt. ● Key terms bolded in first use (√ = all correct, X = some mistakes (-10), XX = no conformity (-15))	15% **High** **Mid** **Low**	**If you can't find the error, come to office hours**
Copy editing & use of standard language	Grammar and mechanics are edited for correctness and readability	5% **High** **Mid** **Low**	
Use of AI	AI disclosure statement Quality of author-provided responses and draft Prompts provide relevant information to AI-tool (content and style references, explanation of context) Use of AI responses to improve final version. Analysis of difference between author and AI revision.	25% **High** **Mid** **Low**	
Peer Review	1.5% for each writer's memo question answered and/or for each substantial comment 2.5% for the following: AI disclosure statement and inclusion of AI prompts/responses Use of AI responses to improve peer review comments Analysis of effectiveness of AI comments	10%	

Overall Comments: