

## Section 1:

### #1 (First paragraph) Strengths:

- Your opening line effectively captures attention with a compelling vision of the future
- You establish a clear stance on nuclear fusion early in the introduction

Weaknesses: Topic Development → Your introduction lacks sufficient context about Three Mile Island's history and current status. The phrase "despite its uncertain path" is vague and doesn't provide readers with necessary background information.

Exemplar: "Three Mile Island Nuclear Station, despite its controversial history as the site of America's worst commercial nuclear accident in 1979, holds potential as a pioneering location for nuclear fusion power generation - a revolutionary technology that promises clean energy for our future."

### #2 (Second paragraph) Strengths:

- You clearly present environmental benefits as a key argument
- Your explanation of steam as the only byproduct is concise

Weaknesses: Paragraph Structure → Your paragraph contains redundant information with phrases like "must be reopened" repeated from the introduction. The single supporting detail about steam doesn't fully substantiate your claim about zero environmental impact.

Exemplar: "The primary advantage of converting Three Mile Island to a fusion facility lies in its minimal environmental impact. Unlike traditional power sources that produce greenhouse gases, fusion technology generates only water vapour as a byproduct, offering a viable path toward carbon-neutral energy production."

### #3 (Third paragraph) Strengths:

- You introduce specific data about energy production potential
- You acknowledge both short-term costs and long-term benefits

Weaknesses: Argument Accuracy → Your statistics about uranium production (44 million kilowatt-hours) relate to fission rather than fusion power, creating confusion in your argument about fusion's benefits.

Exemplar: "Nuclear fusion's potential for energy production far exceeds traditional methods, with estimates suggesting that fusion reactions could generate several times more energy than fission while using readily available fuel sources like deuterium from seawater."

Actionable Task: Rewrite your introduction paragraph focusing specifically on Three Mile Island's history and transition to explaining why fusion technology would be appropriate for this specific site. Include at least three concrete details about the facility's current status and fusion technology's requirements.

**Score: 42/50**

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Section 2:

#1 Imagine a future where all energy leaves no environmental footprint. This is the promising future of nuclear fusion, the energy production method that many people are embracing today. ~~This is why the Three Mile Island Nuclear Power Station must be reopened as Nuclear Fusion power plant, despite its uncertain path.~~ [The Three Mile Island Nuclear Power Station therefore presents an ideal opportunity for conversion into a nuclear fusion facility, though this transformation faces significant challenges.]

#2 ~~There are many reasons why the Three Mile Island Nuclear Power Station must be reopened as a fusion power plant, but the first and most important one is~~ [The primary justification for converting the Three Mile Island Nuclear Power Station into a fusion power plant is] that it leaves no environmental impact, ~~side~~ [aside] from some harmless steam that easily disperses into the atmosphere without much trouble. This, unlike many other sources of energy, means that we can greatly reduce the world's carbon emissions to nearly zero.

#3 Another reason is that fusion is a surprisingly efficient source of energy; ~~44 million kilowatt-hours of electricity are produced from one tonne of natural uranium.~~ [fusion reactions can potentially generate abundant energy from readily available materials.] Having a nuclear power plant will provide relatively cheap electricity for those who live in the vicinity. Although the initial cost of renovating the nuclear station back into operational use will be expensive, the budget is financially better in the long run.

~~Although nuclear fission may be harmful if accidents happen~~ [While nuclear fission carries inherent risks], the incidents at the Three Mile Island Nuclear Power Plant are almost negligible. Nobody died, and the radiation effects did not affect much. It will be even safer with fusion, as you are not splitting apart atoms in this process. Conversely, you are combining them, which greatly reduces the chances for explosion. This means that nuclear fusion is a virtually safe energy source.

To conclude, the Three Mile Island Nuclear Power Plant must be put back into operation and renovated as a fusion power plant because of the financial and environmental benefits. Additionally, there is a very little chance of harm to the population in the vicinity if you try, as fusion is a different concept than fission. This is why we should convert the power plant into a fusion power plant for the various benefits.