

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_115983
Title of the Manuscript:	Evaluating the Radiological Health Risks of Water Sourced From Ogwashi-Uku Earth Dam in Ogwashi-Uku, Delta State.
Type of the Article	Water quality Analysis

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1) Yes, the manuscript is important for the scientific community as it addresses a significant environmental and public health issue related to water quality and radiological contamination. Evaluating the radiological health risks associated with water from the Ogwashi-Uku Earth Dam provides valuable insights into potential hazards and exposures faced by communities relying on this water source. By highlighting elevated levels of radionuclides and discussing the implications for public health, the manuscript contributes to the understanding of environmental health risks and informs decision-making processes related to water quality management and risk mitigation strategies. Therefore, the manuscript is important for raising awareness, guiding policy development, and promoting further research in the field of environmental health and radiological risk assessment. 2) <ul style="list-style-type: none"> • Assessing the Radiological Health Hazards of Water Derived from Ogwashi-Uku Earth Dam in Ogwashi-Uku, Delta State. • Examining the Radiological Health Risks Associated with Water Sourced from the Ogwashi-Uku Earth Dam in Ogwashi-Uku, Delta State. 3) YES, <ul style="list-style-type: none"> • The abstract provides a clear description of the study location, Ogwashi-Uku, and the sampling points, setting the geographical context for the research. • The abstract briefly summarizes key findings, such as the levels of gross alpha and beta activity in the water samples collected from the Aboh river dam 4) Overall, the manuscript demonstrates an appropriate structure and organization, facilitating a systematic presentation of the research process and outcomes for the readers' comprehension and engagement. 5) YES 6) YES, 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>YES</p>	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> • Incorporating Seasonal Variations: • Considering the impact of seasonal variations on radioactivity levels by collecting samples during different seasons could enhance the understanding of temporal variations in water quality • Long-Term Monitoring: • Implementing a long-term monitoring plan to assess any potential changes in alpha and beta radioactivity levels over time could provide more comprehensive data for analysis • Including a comparison of the alpha and beta activity concentrations with international standards, such as those set by the IAEA, could offer a broader perspective on the safety of the water samples 	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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