



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2014_PSIJ_14992
Title of the Manuscript:	GROSS ALPHA AND BETA ACTIVITY CONCENTRATIONS IN SURFACE WATER SUPPLIES FROM MINING AREAS OF PLATEAU STATE, NIGERIA AND ESTIMATION OF INFANTS AND ADULTS ANNUAL COMMITTED EFFECTIVE DOSE
Type of the Article	Data Article

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<b><u>Compulsory</u></b> REVISION comments	<ul style="list-style-type: none"> <li>• geometric means of both alpha and beta activities were higher in stream waters compared to mine ponds. this trend needs to be explained</li> <li>• measured physical parameters were not discussed.</li> <li>• QA/QC was not mentioned. The counter should be calibrated. Standard reference materials must be used. Blanks should as well be counted.</li> <li>• This work should have included some tailings in order to confirm the source of radioactivity into the waters</li> <li>• This work only presented results but were not actually discussed</li> </ul>	Agreed
<b><u>Minor</u></b> REVISION comments	<ul style="list-style-type: none"> <li>• A control stream/pond should have been sampled to correct any background influence</li> <li>• The figures communicate the same information as the tables. I think it's a repetition.</li> <li>• Equations should be numbered</li> <li>• The introduction did not highlight the dependence of inhabitants on the water sources.</li> </ul>	Agreed



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	<p>Again the health effects due to alpha and beta ingestion was not covered</p> <ul style="list-style-type: none"><li>• The streams ought to be sampled from upstream and downstream to investigate any variations along the flow</li></ul>	
<b><u>Optional/General</u></b> comments	<ul style="list-style-type: none"><li>• Line 29 should have a reference to the claim</li><li>• General grammar should be checked</li><li>• Extensive literature search should be carried out</li></ul>	Agreed