

**Review Form 3**

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_120316</b>
Title of the Manuscript:	<b>THE EFFECTS OF HOTELS EFFLUENT DISCHARGE ON GROUND WATER QUALITY IN LOKOJA, KOGI STATE, NIGERIA</b>
Type of the Article	<b>Research Article Based on Water Quality Analysis</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</b></p>	<ul style="list-style-type: none"> <li>• This manuscript is important for the scientific community as it addresses the significant issue of hotels' effluent discharge and its impact on groundwater quality in Lokoja, Kogi State, Nigeria.</li> <li>• The research objectives outlined in the abstract, such as identifying contaminants in effluent discharge and investigating physicochemical parameters, provide valuable insights for environmental scientists and policymakers</li> <li>• The study's focus on determining if groundwater quality parameters meet safety limits set by organizations like the World Health Organization and National Environmental Standards and Regulations Enforcement Agency is crucial for ensuring public health and environmental protection</li> <li>• The effective management strategies proposed in the study can guide stakeholders in minimizing effluent discharge from hotels and safeguarding groundwater resources, making it a valuable resource for sustainable development and environmental conservation.</li> </ul>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<ul style="list-style-type: none"> <li>• <b>THE IMPACT OF HOTEL WASTEWATER DISCHARGE ON GROUNDWATER QUALITY IN LOKOJA, KOGI STATE, NIGERIA</b></li> </ul>	
<p><b>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<ul style="list-style-type: none"> <li>• The abstract of the article provides a comprehensive overview of the research on the effects of hotels' effluent discharge on groundwater quality in Lokoja, Kogi State, Nigeria</li> <li>• To enhance the abstract, it could include a brief mention of the specific contaminants identified in the effluent discharge, such as chemicals or pollutants, to give readers a clearer understanding of the potential risks to groundwater quality.</li> <li>• Additionally, highlighting the key findings related to the levels of physicochemical parameters in the effluent and groundwater samples would offer readers a glimpse into the extent of contamination and its implications for water quality standards.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<ul style="list-style-type: none"> <li>• The manuscript's structure is appropriate as it includes subsections focusing on key aspects such as identifying contaminants in hotels' effluent discharge, analysing physicochemical parameters, assessing compliance with safety limits, and proposing management strategies</li> <li>• Each subsection contributes to the overall organization and clarity of the research, guiding the reader through the objectives, methods, and findings effectively.</li> <li>• The clear delineation of sections enhances the manuscript's readability and helps in understanding the study's progression and outcomes.</li> </ul>	
<p><b>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</b></p>	<ul style="list-style-type: none"> <li>• The manuscript demonstrates scientific robustness by clearly outlining four research objectives, including identifying contaminants in hotels' effluent discharge, investigating physicochemical parameters in effluents and groundwater, assessing groundwater quality against safety limits set by WHO and NESREA, and proposing effective management strategies to minimize effluent discharge and protect groundwater resources</li> <li>• The study's methodology, which involved sampling effluents, water from hotels' boreholes, and nearby boreholes for laboratory testing, showcases technical soundness in data collection and analysis, ensuring reliable results and</li> </ul>	

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	<p>conclusions</p> <ul style="list-style-type: none"> <li>The manuscript's adherence to international and national standards, such as WHO and NESREA guidelines for groundwater quality assessment, adds to its scientific credibility and robustness</li> <li>By focusing on a specific location (Lokoja, Kogi State, Nigeria) and addressing the local impact of hotels' effluent discharge on groundwater quality, the manuscript provides valuable insights for policymakers, environmental agencies, and stakeholders to implement targeted interventions and regulations for sustainable water resource management.</li> </ul>	
<p><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p>=</p>	<ul style="list-style-type: none"> <li>The references provided in the study on "The Impact of Hotel Effluent Discharge on Groundwater Quality in Lokoja, Kogi State, Nigeria" are recent and relevant. They comprehensively cover the necessary background and support the findings effectively. No additional references are needed at this time.</li> </ul>	
<p><u>Minor</u> REVISION comments</p> <p><b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>Yes, the article is well-written, and the quality of the English language is suitable for scholarly communication. The authors have used clear and precise language, ensuring that the content is both accessible and comprehensible to academic and professional audiences. The text demonstrates coherence and logical flow, which facilitates a thorough understanding of the research findings and their implications.</li> </ul>	
<p><u>Optional/General</u> comments</p>	No	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

Name:	<b>S N Abhishek</b>
Department, University & Country	<b>Atma Malik Institute of Technology and Research, India</b>