Reviewer’s report

Title: A multivariate analysis of CalEnviroScreen: comparing environmental and socioeconomic stressors versus chronic disease

Version: 0 Date: 29 Aug 2017

Reviewer: Martin Lawrence

Reviewer's report:

pg 4 ln 16: Authors should be careful to distinguish between risk assessments associated with thorough exposure and dose response analysis, versus impact (or hazard) assessments which lack the link between exposure and dose-response. This would be a helpful distinction to make here at the beginning to sharpen the distinction.

pg 4 ln 26: ecological scale is a poor descriptor for a geographic scale that is defined by census tract, county or other arbitrary political boundary. Ecological would refer to places sharing common structure and function.

pg 4 ln 38: increased potential for health hazards. This screening tool and others like it are careful to inform users that they do not define risk or hazard

pg 6 ln 36: describe how this determination was made, what was the search methodology employed to make this conclusion?

pg 14 ln 42: The "PC" should be identified in the text for ease of reading.

Well articulated conclusions, supported by research

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

'I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal