

## **Reviewer's report**

**Title:** Estimating BTEX exposure using land use regression in Sarnia, "Chemical Valley", Ontario, Canada

**Version:** 1 **Date:** 4 November 2008

**Reviewer:** Godwin Djietror

### **Reviewer's report:**

Major Compulsory Revisions:

NONE

Minor Essential Revisions:

1. The first sentence in the last paragraph on page 3 should be reworded for clarity: it is suggested that the word "beside" be changed to "besides" and the words "LUR" and "modeled" should be joined with a hyphen.
2. Perhaps the first line on page 3 should be explicit about what the "outdoor exposure" is to: in other words, outdoor exposure to what?
3. On page 10, line 5, the word "were" should be changed to "was"

Discretionary Revisions:

1. General Comment: There have been many land use regression analyses done on ambient air pollution, but most of these have focused on exposure to particulate matter, sulfur dioxide, and nitrogen dioxide, which are known to impact health adversely. Very little work has been done on BTEX; therefore, the paper should constitute an interesting addition to the environmental health literature. The paper is well written. A comment on how it contributes to the formulation of environmental health policy in Canada and elsewhere would strengthen the conclusion.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.