Reviewer’s report

Title: Impact of Exposure Measurement Error in Air Pollution Epidemiology: Effect of Error Type in Time-Series Studies

Version: 4 Date: 23 May 2011

Reviewer: Esben Budtz-Jorgensen

Reviewer’s report:

The paper is now much clearer. I only have a few further comments.

1. I (reviewer 2) had a question (7) about why the measurement error variance was fixed so that one correlation coefficient was equal to the square root of another. In their reply to me, the authors had a good answer. I think it is important that this answer is incorporated into the paper (page 10).

2. Table 2: Please explain how the confidence intervals were calculated.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.