Reviewer’s report

Title: Diet and toenail arsenic concentrations in a New Hampshire population with arsenic-containing water

Version: 1 Date: 27 August 2013

Reviewer: Melissa Slotnick

Reviewer’s report:

This is a very well-written manuscript utilizing data from a large, well-constructed scientific study and seems suitable for this journal. The scientific methods are sound, the results are well presented, and the discussion is thorough yet concise. I do not have any major revisions. The only addition I might like to see is a bit more discussion of the different forms or arsenic (organic/inorganic) that might be present in other food types (other than fish) and how this might influence the arsenic content of nails and any potential toxicity (and thus perhaps a statement of how the nails incorporate the inorganic arsenic). I would leave this to the discretion of the author.

Overall, I think that this study makes some interesting discoveries in terms of sources of arsenic exposure that should be examined in more depth in the future.

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.