Reviewer’s report

Title: Primary DNA Damage (Comet Assay) in Relation to Genetic Polymorphisms for CYP1A1, EPHX and GSTM1 in Workers at a Graphite Electrode Manufacturing Plant

Version: 1 Date: 24 July 2007

Reviewer: Vera Garaj-Vrhovac

Reviewer’s report:

The authors have raised the important problem of occupational exposure to PAHs, as assessed by biological monitoring techniques, in workers employed at a graphite electrode manufacturing plant. They have applied biomarkers of susceptibility, biomarkers of biologically effective dose and biomarker of exposure dose on a proper international level and based on internationally accepted protocols. The statistical evaluation is correct. The present data are convincing and add new information to our knowledge consequently the manuscript is worthy to be published in

_Details comments:_

The methods are clearly presented and reproducible (in methods and subject added positive control for the comet assay).

Please show or comment on point.

The results are important and novel.

I am not duty qualified for reviewing the technical data, but I am not able to find mistakes (at least the striking ones).