**Replies to Editorial Comments**

Please note: There seems to be a problem with Track Changes and Comments. Some of the changes do not appear to be highlighted, and my comments look like they were written by you.

• Protocol Detail: Please see the in-text comments made in Word. These need to be addressed.

* Thank you for your guidance, checked changes and addressed the comments as appropriate.

• Results:

1) Apologies, I have checked the figure call outs and hopefully they are correct now.

2) & 3) The direct correlation between the concentration and rate is well known and expected from the Hamaker law. The plot is provided to show that our results are in agreement with theory, rather than to substantiate a new theory. The rate reflects the reduction in deposition rate with time that results from the increase in resistivity that occurs as the film builds up due to the low conductivity of the CNTs compared to the electrodes. This comment has now been added from line 407 to explain the logarithmic relationship. The non-linear trend is shown in our previous two EPD papers and is now referenced.

4) Inserted commentary at lines 375-380.

• Discussion: Inserted additional discussion at lines 490-193.

• Figures:

1) Am I allowed to submit differently formatted figures for the print version of the article and the video version? If so, I would like to submit additional figures. However due to other work commitments, this might take a few weeks before I have time to reformat them. Also, Benjamin Werth said I would be asked to check the quality of the video before it is made available online. He suggested that I could revise the figures if we decided they were not optimal for video format.

2) Figure 3: Scientific protocol dictates that an axis be provided to indicate it represents the number of counts measured during spectrum recording. The actual numbers are not important as this plot shows qualitative changes. This is a standard method to present XPS data. If you wish, I can move the x-axis to the left side instead of the right.

3) Figure 4: The ozonolysis mechanism is very complex and the line fit is provided to guide the viewer to show the trend in oxidation rate but not to explain anything about the ozonolysis mechanism. (This comment could be added to the caption if required.)

4) Table 1: Inserted missing label.

• Figure/Table Legends:

1) Fig 1: Edited figure and removed reference to MWCNT.