

Review of: "Regulatory Compliance of PCDD/F Emissions by a Municipal Solid Waste Incinerator: A Case Study in Sant Adrià de Besòs, Catalonia, Spain"

Shujian Tian¹

¹ North China University of Water Conservancy and Electric Power

Potential competing interests: No potential competing interests to declare.

Review Comments:

This paper details the variations in PCDD/F concentrations and their potential health impacts near the municipal solid waste incinerator (MSWI) of Sant Adrià de Besòs. However, several issues need to be addressed to enhance the overall quality and readability of the paper.

1. Lack of detailed background information:

- (1) The background information is not detailed enough to adequately describe the impact of PCDD/Fs on the environment and health. Please expand the first section to provide a detailed description of the sources, hazards of PCDD/Fs, and the reasons for selecting Sant Adrià de Besòs as the study location.
- (2) More detailed explanations are needed to justify the choice of Sant Adrià de Besòs' MSWI as the study object and to provide more background information. Please provide previous research data from the area to form a continuous background introduction.

2. Insufficient Data Interpretation:

- (1) Lack of In-depth Analysis: The paper provides some data, but the interpretation and analysis of this data are not deep enough to fully demonstrate the significance of these data. Please add more detailed data analysis and discussion, especially on the reasons for changes in PCDD/F concentrations and the potential environmental impacts.

3. Unclear Structure:

- (1) Disorganized Paragraphs and Sections: Some paragraphs contain a lot of information and lack clarity, making it difficult for readers to follow the author's thoughts. Please restructure the paper, grouping related information together and clearly defining the theme and purpose of each section.

4. Inaccurate Citations:

- (1) Incomplete References: Some citations lack complete reference information, making it difficult to trace the sources accurately. Please ensure that all cited references contain complete information and are cited in the standard format.

5. Inadequate Method Description:

- (1) Insufficient Description of Experimental Methods and Data Collection Process: The methods and processes of data collection are not described in enough detail. Please provide a detailed description of the experimental methods and data collection process, including the selection of sampling points, sampling frequency, and analysis methods.

6. Grammar and expression:

- (1) Grammar and Expression: Please try to avoid subjective terms, such as “We”, “They”, etc.