

Written representation summary for written submissions of Frances Crowe

As my written submission exceeds 1500 words, this paper is a written representation summary of all my submissions for Deadline 2 which have been separately submitted.

I am a resident of Sudbourne. I have lived here with my family since 2001 (20 years), previously holidaying frequently in the area. My written representation consists of detailed papers on air pollution ("*Air pollution [tropospheric ozone and particulates PM2.5]*") and coastal erosion ("*Coastal erosion at Thorpeness and lessons for the Sizewell C Project*") and a more general paper covering a range of other concerns ("*Transport, health and other matters*"). I am also submitting three very short papers on radioactive emissions, water discharges and diesel generators, which were also submitted to the Environment Agency in September 2020. All six papers will be submitted separately for Deadline 2. All issues were referred to in my relevant representation.

A transcript of my oral representation (presented on 18th May, 2021) has also been separately submitted.

Summary

Paper 1.

Air pollution (tropospheric ozone and particulates PM2.5)

This paper examines air pollution in the east Suffolk area, focussing, in particular, on the high incidence of tropospheric ozone pollution in this region. It examines the causes, exceedances and impacts of this pollutant. Despite Suffolk having at times the highest levels of this harmful pollutant in the country (during periods of high pressure, particularly when temperatures are high), the applicant has completely ignored any consideration of it in their air pollution review. Because of its regional impacts, it is a difficult pollutant to mitigate but there is no doubt that construction will lead to significant increases in ozone precursors and that impacts on this pollutant will be adverse. This will affect the health of the population over a very wide area, not just receptors in the immediate vicinity of activity. Ecosystems are also severely impacted by ozone pollution so the consequences for Suffolk's protected habitats and agriculture must too be properly evaluated. The paper offers recommendations of actions that should be taken in respect of this pollutant (Pt 7).

The paper also briefly considers particulate pollution (covered more extensively by Laurence Moss's written submission which I endorse) which also has not been dealt with adequately by the applicant. It is crucial that a proper strategy for reduction of particulates <PM2.5 is implemented. The applicant has instead concentrated on the larger more easily mitigated and less harmful particulates (PM10). The World Health Organization considers

there is no safe lower limit for PM2.5 particulates which adversely affects all aspects of health, not just respiratory. A comprehensive analysis and action plan is essential.

Paper 2.

Coastal erosion at Thorpeness and lessons for the Sizewell C Project

This paper presents evidence of the recent coastal erosion and failed sea defences at Thorpeness, primarily through photographs taken over the last 15 years.

Evidence includes:

- The loss of the pillbox from the clifftop which now acts as a marker for coastal retreat
- The building of coastal defences in 2010 and geo-textile defences in 2013
- The embayment that has resulted from the coastal defences
- Evidence of the coralline crag that is washed up after storms
- The impact of unusual sea action, which affected Thorpeness almost uniquely in October 2013
- Current destruction of the sea defences and severe cliff erosion

This paper will additionally demonstrate the importance of these events in consideration of the Sizewell project.

Paper 3.

Transport, health and other matters

This paper covers a diverse range of topics that I have not covered in issue-specific papers. Please note I have purposely not attempted to comment on issues impacting biodiversity and loss of protected habitats; finances; climate change/carbon footprint, sea defences and marine pollution - subjects which I feel very strongly about but on which I know other individuals and organisations will be submitting extensive written representations, which I fully support and endorse.

The topics I cover in this paper are as follows:

1. Road traffic delays
2. Health
3. Legacy to future generations
4. Personal risk
5. Well-being and benefits to the community
6. Communication and complaints handling (if given DCO approval)
7. Quality of consultation
8. Misleading information from the applicant
9. Website content (applicant's own website)

10. Open floor hearings
11. Endorsement of other oral and written submissions

Paper 4.
Radioactive emissions

Paper5.
Water discharges

Paper 6.
Diesel generators

Papers 4, 5 and 6 are short papers outlining my specific concerns on these issues.

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I endorse the excellent submissions made by so many people and organisations at the open floor hearings and the written submissions of, in particular, Stop Sizewell C, TASC, the Minsmere Levels Group, the RSPB, Suffolk Coastal Friends of the Earth, the Alde & Ore Association/Alison Andrews and Suffolk Wildlife Trust.

Finally I wish reserve the right to submit evidence at any issue-specific hearings.

Frances Crowe
2/6/21