

Dear Examiner,

Below is a photograph of Rocksavage Power Station, near Runcorn in Cheshire. The Plant is a Combined Cycle Gas Turbine.



The view is across Ince Marshes. It was taken 29/11/2016 at 09:42 and the local air temperature was 2C. I would suggest that this is a typical winter's day when high pressure is present. I would suggest that it isn't excessively cold.

You can see that there are two plumes of condensed water vapour. The left hand one is from the Gas Turbine Exhaust. The right hand and broader one is from the cooling towers. I am uncertain if the Plant is water or air cooled, with the close proximity of the river I suspect that it is water cooled, but I will endeavour to confirm this.

For greater clarity I've zoomed the scene to help you to make a judgement.



A Colleague of mine informs me that the top of the HRSG (just to the right of the stack) is 30m above ground level and that the top of the stack is around 60m. Similar to the height I suggested that WPLs proposed stack may have to eventually be.

I would suggest that the plume is at least 60m again on top of that of the stack, may be even more.

I would further suggest that WPLs claim that their proposed Plant wouldn't emit a plume is not entirely correct.

I would therefore suggest that the plume be assessed as part of the visual impact that these type of Plant have.

Finally I note that the cooling plume is even higher, probably around 150m above ground level.

Kind regards,

Chris Briggs