

Viridor Waste Management Limited  
Trident Park ERF, Glass Avenue, Cardiff, CF24 5EN  
[www.viridor.co.uk](http://www.viridor.co.uk)

Gwyn Jones  
Natural Resources Wales  
Rivers House  
St Mellons Business Park  
St Mellons  
Cardiff  
CF3 0EY

6<sup>th</sup> January 2017

Dear Gwyn Jones,

Improvement condition 2 (IC2) in our Permit ERP/LP3030XA requires that the Operator shall carry out checks to verify the residence time, minimum temperature and oxygen content of the exhaust gases in the furnace, whilst operating under the anticipated most unfavourable operating conditions.

The EPC Contractor has undertaken an assessment, as part of the performance guarantees, to ascertain the actual temperature profile of both boilers at Trident Park ERF. The results are compared against those detailed in the series of documents submitted under pre-operational condition PO01. The enclosed documents have been verified by the Owner's engineer and the Operator and explain how the two second residence time for flue gases within the first pass of both boilers is met.

1. Temperature site measurements Vs CFD simulation (47021103\_95I0005-A);
2. Annex 4 – Residence time T2S

The assessment concludes that both boilers achieve a two second residence time for the flue gas above 850°C as predicted by CFD modelling.

I trust the enclosed reports are sufficient to satisfy the requirements of IC2 and look forward to hearing from you in due to course.

I would also request that you confirm receipt of this submission by return.

Yours sincerely,



Fiona Bussell  
Health, Safety & Environmental Manager