



**E.ON**

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31<sup>st</sup> January 2014

Dear Stuart

Re : Compliance Assessment Report (dated 31/12/2013)

I write to in reply to the points raised following the  
Hydrochloric Acid leak at Connahs Quay Power Station :

- Non return valve failure

Following completion of the incident investigation report, work has begun (in line with relevant recommendations) to examine the non-return valves within the water treatment plant. Analysis and review of the pump design and application has shown that the original fit valves were in line with plant specification and were of suitable capability to withstand the maximum hydraulic pressures they may be potentially subject to from water head pressure.

Therefore all relevant valves have been physically removed from the water treatment plant, and subject to visual examination and inspection. No potential fault could be found with regard to their operational capabilities and no obvious mechanical failing could be identified. In parallel, E.ON have consulted the original equipment manufacturer who also could find no fault with the valve specification.

E.ON therefore have placed orders for the procurement of new issue valves to replace the previous examples.

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These valves will be subject to pre installation tests before replacing the previous non return valves within the Water treatment plant. Additionally, comparison tests will be completed between the removed and new supply valves to compare performance, and ensure intended replacement valves are fit for purpose.

- Water Treatment Plant Logic Systems

Additionally E.ON are completing trials to investigate the successful possibility for modification to the water treatment plant control systems to prevent any future incident re-occurrence. Trials have commenced to modify the logic systems to ensure pump interlock & isolation. Modifications are aimed to ensure that upon WTP stream isolation, the relevant switch gear which provide feedback to the PLC systems which will be used to inhibit stream pumps and prevent re-occurrence of the previous incident.

It can therefore be confirmed that it is E.ON intention to have completed these works by 1<sup>st</sup> April 2014, with a view to ensure that the previous incident can never re-occur.

Yours sincerely

Andy Black  
SHE Team Member.

6071



**Bradford, Julie**

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**From:** Ross, Stuart  
**Sent:** 03 February 2014 09:29  
**To:** Bradford, Julie  
**Subject:** FW: Response to CAR Form  
**Attachments:** CAR Form Reply Jan 2014.docx

For public register,

Thanks

Stu

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**From:** Black, Andrew [<mailto:Andy.Black@eon-uk.com>]  
**Sent:** 31 January 2014 17:27  
**To:** Ross, Stuart  
**Cc:** Plass, Jason; Mittal, Shikha  
**Subject:** Response to CAR Form

Stuart

Please find enclosed a letter of reply detailing intended works in response to the CAR form query, dated 31<sup>st</sup> Dec 2012.

Regards

Andy

Andy Black

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