



Mr Stuart Ross
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20th June 2014

Dear Stuart

RE : Compliance Assessment Report (dated 27/02/2014)

I write to provide follow up information regarding some issues raised by yourself following submission of the relevant Compliance Assessment Report.

Hydrochloric Acid Tank / Bund Inspections

Please find attached with this letter a fully revised Site Protection and Monitoring Programme for Connahs Quay Power Station; this includes a fully reviewed and updated tank and bund inspection monitoring programme following recent Engineering surveys of all relevant areas across the installation

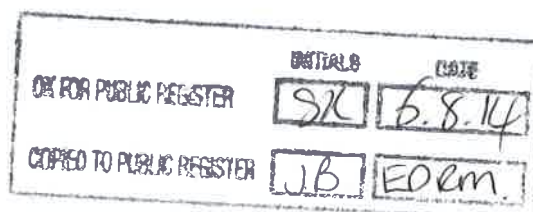
IC20 : Chlorine Dioxide dosing project

Also enclosed is a completed submission for IC20 in line with the regulatory requirements of the Environment Permit for the installation.

IC21 : Chlorine Dioxide dosing project

E.ON are yet to install some of the remaining equipment required to complete Stage 2 of the Chlorine Dioxide Introductory Dosing Plan. It is not anticipated to finish these works until Q4 2014. Therefore E.ON would suggest a proposed submission date of 30th June 2015 for

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IC21.

Noise Abatement - Cooling Towers

As detailed during your site visit, we have experienced issues with Noise Attenuator panels fitted within the hybrid cooling towers at Connahs Quay Power Station. Each of the four cooling towers at CQ have ten cells, and each cell was fitted with five attenuators.

The high level noise attenuators have been in-situ and in service for the life of the station. The attenuators consist of a large aluminium alloy panel, containing deep infills of man-made mineral fibre for sound deadening purposes with a pop riveted outer skin. Installed for noise deadening purposes, the attenuators have become increasingly problematic over time. The panels have suffered from a number of wear issues associated with material corrosion (due to the use of aluminium in a marine environment), and modifications have been made to their structure and fastening by E.ON New Build and Technology in 2000 / 2001. The attenuators have then continued to demand considerable maintenance and management since these times with repeated overhauls from various third party contractors. Whilst still structurally sound, continued maintenance issues have meant the panels are beginning to approach the latter part of their lives.

Following an Environment permit variation in 2008, the attenuators were removed completely from the cooling towers of Units 1 and 2 to allow cooling tower upgrades involving replacement of both fans and gearboxes. The current economic climate prevents continued works for Units 3 and 4, but the maintenance issues regarding the attenuators will continue to decline.



More recently, E.ON has temporarily removed attenuators for maintenance works on two cells in each of the Unit 3 and 4 cooling towers during the end of 2013. Sadly extreme weather has resulted in terminal damage for these attenuators (taken from four cells in total), and as a result we are unable to re-fit the panels to the cooling towers. Additionally, the panels are no longer in current manufacture and we are unaware of any potential cost-effective alternative procurement options. Furthermore, those attenuators remaining will continue to degrade overtime, providing further replacement / removal concerns.

Therefore E.ON request permission to continue operation of Units 3 and 4 with a reduced number of attenuators (in 16 out of 20 cells across the two units). As a result of this, E.ON propose to continue to remove attenuators upon failure, whilst continually monitoring operations for potential noise emission management. Since attenuator removal, the power station has had no external complaints relating to possible increase noise emissions, noise nuisances or general noise impact from the cooling towers. The site maintains both quarterly and annual noise monitoring work, including an annual BS4142 report for submission and assessment to Natural Resources Wales.

E.ON therefore propose to utilise these periodic noise monitoring records (and the subsequent submission of monitoring data to NRW) as a means of maintaining continued operation of the power station with a reducing number of attenuated cooling tower cells as further failures occur whilst ensuring no potential for noise issues arise from the situation.

Please do not hesitate to contact myself, should you have any queries regarding this submission.

Yours sincerely



Andy Black
Environment Advisor
Connahs Quay Power Station