Bradford, Julie

From: Ross, Stuart
Sent: 27 February 2014 12:36
To: Bradford, Julie
Subject: FW: End of year reporting 2013.
Attachments: CQNRWQ4AirWatRep2013_ENTA12.xlsx

RECEIVED
14 FEB 2014
MONITORING RETURNS N. WALES
INITIALS DATE
CHECKED Vs AUTHORISATION SR 3.3.14
TRACKING JB 3.3.14
OK FOR PUBLIC REGISTER SR 3.3.14
TYPED TO PUBLIC REGISTER JB EORM

Last return for Connah's Quay

Stu

From: Black, Andrew [mailto:Andy.Black@eon-uk.com]
Sent: 14 February 2014 15:33
To: Ross, Stuart
Subject: FW: End of year reporting 2013.

Stuart.

Following on from my telephone conversation, I can hopefully provide some additional information concerning the issue regarding our annual monitoring requirements at Connahs Quay.

As you may have seen in the recent OMA to Air audit, we complete annual surveillance tests (AST) on all four main generating units (A1,A2,A3 & A4) and also the gas treatment plant (A11 & A12). Since granting of our IPPC permit in 2007, E.ON has employed its own in house technical specialists – E.ON New Build and Technology (ENT) (formerly Power Technology) to provide a stack team to complete annual measurement to UKAS accredited standards in line with the permit requirements, and monitoring continues to be completed each year as required.

Historically, during periods of heavier running the team would complete all four main units during a period of baseload operation, and then complete GTP works at a later date whenever the GTP is operating. (The fuel supply contracts for CQ require us to continually accept the gas supply from BHP on a 24 hours a day, 7 days a week basis. So the GTP will only operate when no generation of electricity is required, and the gas treated for supply into the national Transco network.)

Connahs Quay site management do not determine every day plant operation (decided by E.ON market traders and economic climate), and thus with the recent radical changes to the electricity demand markets it is much harder to accurately predict plant operation for stack sampling work, additionally financial limitations restrict forced plant operation allowances. Therefore, we generally program the AST monitoring towards the colder times of year when we can be more hopeful of enough plant operation to allow adequate monitoring time. As a result of this, the following timescale was followed for monitoring :

Unit 3 and Unit 4 : Monitoring was successfully completed during the week commencing 14th October

Unit 1 and Unit 2 : Monitoring was successfully completed during the week commencing 9th December

With December representing potentially the highest period of generational demand by the market, the ENT stack sampling team was unable to complete Gas Treatment Plant monitoring until generation had ceased, and thus monitoring of the GTP was not successfully completed until week commencing 23rd December, with the stack monitoring teams working over the Christmas week.

Due to the late timing of this monitoring, ENT were not able to provide a formal report detailing the recorded emissions from this monitoring before my deadline for NRW monitoring report submission on 28th / 31st Jan 2014. Following receipt of your recent Corrective Action Report, the stack sampler has now worked overtime to provide confirmed monitoring data for reporting (though we are still to receive the final monitoring report).

Following this increased explanation with regard to the recent monitoring challenges, I ask if it may be possible to review determination of a CCS4 score in this instance.

Please find enclosed (as promised) a copy of Air 1 with the finalised ENT monitoring results.

Kind Regards

Andy

From: Black, Andrew
Sent: 31 January 2014 16:13
To: 'Ross, Stuart'
Cc: Plass, Jason
Subject: End of year reporting 2013.

Stuart.

As explained in our telephone conversation, please find enclosed monitoring reports for Q3 2013 and also end of year annual reports for 2013 in submission with the requirements of Environment Permit MP3337SH.

Please note that reporting form Air 1 still details annual surveillance testing for emission point A12 from 2012. A further monitoring report has been completed by our UKAS accredited contractor in 2013, but we are yet to receive the full monitoring report. Once we are in possession of this document, I will re-issue the reporting form with revised AST monitoring data for 2013. I apologise for the initial absence of this data.

Additionally, as detailed in our conversation today, we monitor pH levels on our surface water drainage systems which flow into the old Rockcliffe drain passing under the installation. This drain emerges into the River Dee estuary alongside our main surface water drainage outfall (W2). E.ON discharges into the old rockcliffe drain are subjected to pH / Oil in water monitoring as per the requirements placed upon W2 by the Environment permit. We have noticed some brief spiking in pH levels above 9 in this discharge point. Site surveys and investigations have shown that only car park, road and open area drainage passes into these drains, and we are unable to identify a confirmed source for the pH spiking. Whilst not recorded as an official discharge point by our Permit, we will be replacing the analyser probe and completing drainage cleaning works as examples of best practice for surface water monitoring discharge.

Please feel free to contact myself with any additional queries regarding these documents.

Kind Regards

Andy

Andy Black

SHE Team
E.On UK Ltd
Connahs Quay Power Station
Kelsterton Road
Connahs Quay
Flintshire
CH5 4BP

RECEIVED
14 FEB 2014

Reporting of emissions to air for the period from 01/10/2013 to 31/12/2013

Operator: E.ON UK

Site Location: Connahs Quay

Permit/Variation Number: MP3337SH

Release Points: A11, A12

Release Point	Substance / Parameter	ELV (mg/m3)	Reference Period	Result (mg/m3)
A11	Oxides of Nitrogen (NO and NO2 expressed as NO2)	95	10 min average	78.58
A12	Oxides of Nitrogen (NO and NO2 expressed as NO2)	95	10 min average	69.3*
A11	Carbon Monoxide	10	10 min average	8.1
A12	Carbon Monoxide	100	10 min average	68.3*
A11	Sulphur dioxide	9950	10 min average	98.7

*External monitoring completed by E.ON Engineering wk commencing 23rd December 2013

Signed on behalf of the Operator .....

Form Ref: Air - 1 / Connahs Quay PS (01/12/06)