



CEMS INVALIDATION LOG

The CEMS invalidation log is used to record periods when the CEMS system has been unavailable and/or the data from it could be classed as inaccurate.

Period which log covers: 01/07/2013 to 31/12/2013

DOWNTIME: FROM	DOWNTIME: TO	REASON	CORRECTIVE ACTION
26/8/13	26/8/13	Failure of FTIR analyser for 2.5 hours on CEMS system	See below
14/10/13	15/10/13	CEMS maintenance	None
21/10/13	21/10/13	1 invalid 30 minutes period when CEMS was taken offline to flush the scrubber droplet separator with water	None- This is carried out infrequently. CEMS taken offline to prevent the sample lines being flooded with water

Comments:

26/8/13- FTIR failed. This was replaced with the spare which is kept on site. The failed unit was sent to manufacturers for inspection and failure was due to an issue with the laser. According to the manufacturer this is a rare occurrence. FTIR has been repaired and is kept as a spare unit.

Signed

Date...25/02/14 (authorised to sign as representative of UPM-Kymmene UK Ltd)

	INITIALS	DATE
OK FOR PUBLIC REGISTER	JS	26/2/14
COPIED TO PUBLIC REGISTER	JB	EDRM