

## 2020 Annual Status Report (ASR) Appraisal Report Commentary Response

This summary is produced to point out where corrections have been made and reasons for the correction.

The 2020 ASR report is well structured, detailed, and provides the information specified in the Guidance. However was not accepted because of some anomalies in the report. These anomalies have been addressed and below are the responses.

1. The Council have provided a thorough report which contains most of the required content.

**Response – No comment required.**

2. The Council note their intention to revoke the A556 Chester Road, Mere AQMA, however it appears, per Table 2.1, that this AQMA is intended for amendment, not revocation. Although a detailed assessment to support a revocation has been appended to the ASR, it is possible that the Council are in fact intending to amend the AQMA, given that Figure D.33 indicates an ‘amended’ A556 Chester Road, Mere AQMA. The Council are required to confirm which action they wish to take and are advised to be consistent throughout the ASR. An amendment would be the preferred action, given that the concentrations at CE54 and CE301 exceed the AQO, and CE300 is within 10% of the AQO; the proposed amended AQMA boundary comprises the properties surrounding these three monitoring sites.

**Response – The Council intends to revoke AQMA A556 Chester Road, Mere within the next 12 months. Reasons are explained in Section 2.2, point number 2 of page 13. Figures D.31, D.32 and D.33 have been amended.**

3. The Council have identified a number of priorities for the year ahead, including, but not limited to:
  - a. Development of specific AQAP measures for the newly declared AQMAs;
  - b. Work with the Public Health team to progress the planned air quality awareness campaign; and
  - c. Consider the acquisition of PM monitoring equipment.

These priorities are considered appropriate.

**Response – No comment required.**

4. Trend analysis has been carried out and an array of trend graphs have been provided. Detailed discussion of monitoring trends supports these graphs. This approach is encouraged for all future ASRs, and adheres to good practice. The level of detail with

which the trends are discussed also indicates a deep understanding by the Council of air quality within their jurisdiction.

**Response – No comment required.**

5. Whilst QA/QC has been discussed in detail, however despite distance correction having been carried out, example calculations and a discussion on the applied methodology are absent from the report. Furthermore, distance correction is only required for annual means greater than 36 µg/m<sup>3</sup> where monitoring locations are not at a point of relevant exposure.

**Response - All distance corrections for those results < 36 µg/m<sup>3</sup> have been removed from the data and are now presented as the concentrations at the tube location. A worked example has been added to the ASR in Appendix C on page 71.**

6. Inconsistencies have been identified between the results presented within the results tables (A.3 and B.1) and those presented within Appendix E, the detailed assessments to support the revocation of a number of the Council’s AQMAs. In order for the ASR to be accepted and the revocation orders to be supported, these must be rectified.

Within the detailed assessment to support the revocation of the A556 Chester Road, Mere AQMA, it appears that the results from 2017 have been duplicated into the 2019

**Cheshire East Borough Council**

Site ID	Site Name	In AQMA?	2015 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2016 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2017 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2018 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2019 (µg/m <sup>3</sup> ) (0.93 Bias Factor)
CE57	Cobblestones	Y	50.76	52.98	35.37	-	-
CE61	Mere Corner Cottage	Y	42.52	41.84	21.37	-	-
CE62	Mere Home Farm	N	18.50	20.57	13.54	-	-
CE63	Old Smithy Cottage	Y	29.77	32.92	21.55	-	-
CE64	Mereside Farm, Chester Road	Y	25.24	27.44	22.79	23.26	23.13
CE77	Kenilworth Cottage	N	13.30	15.46	15.54	14.91	14.22
CE78	Yarwood Heath Farm, Yarwood Heath Lane	N	20.33	22.20	19.91	-	-
CE84	Tollbar Cottage	Y	45.79	45.81	24.84	-	-
CE287	Old Smithy Cottage, Millington Hall Lane (replaced CE63 in 2017)	Y	-	-	19.93	-	-
CE292	Dairy Farm Cottage, off Old Hall Lane (replaced CE55 in 2017)	Y	-	-	35.13	26.10	26.01
CE300	The Grove Cottage, Tabley	Y	-	-	34.29	32.17	34.29
CE301	The Windmill pub, Tabley	Y	-	-	32.85	31.41	32.85

**Table E2.1 – Monitoring Data 2015 to 2019 A556 Chester Road, Mere AQMA**

column for tubes CE300 and CE301 in error, as highlighted below.

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	NO <sub>2</sub> Mean Concentrations (µg/m <sup>3</sup> )														Annual Mean		
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Raw Data	Bias Adjusted (0.93) and Annualised <sup>(1)</sup>	Distance Corrected to Nearest Exposure <sup>(2)</sup>		
CE285	386278	362850	36.8	34.9	26.7	29.1	23.0	21.7	22.0	14.4	20.6	27.5	36.4	28.2	26.8	24.9	24.2		
CE286	375934	378010	44.5	39.0	29.7	29.5	26.1	28.0	23.6	22.2	28.2	36.6	41.9	25.2	31.2	29.0			
CE288	392670	377331	-	28.7	32.1	21.9	28.0	24.8	25.3	22.8	27.5	30.0	39.5	29.8	28.2	26.2	23.3		
CE289	392739	377385	31.9	10.2	26.2	20.6	19.1	21.4	20.7	17.7	20.9	24.1	32.6	12.8	21.5	20.0	19.9		
CE290	392747	377378	48.8	30.1	35.3	40.2	33.4	34.4	31.8	31.1	36.2	43.4	44.6	32.6	36.8	34.2	32.2		
CE291	375945	378019	37.2	28.3	21.1	20.1	20.5	20.6	20.0	19.3	19.9	25.6	35.0	20.7	24.0	22.3	22.2		
CE292	372264	379723	35.0	35.6	30.7	20.5	26.9	22.1	23.5	27.5	25.7	29.3	33.5	25.4	28.0	26.0	26.0		
CE293	377640	358290	21.4	24.1	11.9	14.6	13.8	14.5	12.2	11.9	12.3	19.6	27.0	15.4	16.6	15.4	15.4		
CE294	384599	361581	41.4	32.5	37.5	27.3	34.6	30.3	30.8	24.3	32.2	31.9	44.7	26.3	32.8	30.5			
CE295	384562	361576	29.7	21.2	19.9	27.1	23.4	19.8	17.6	12.9	20.9	23.0	31.1	16.2	21.9	20.4	20.2		
CE296	376342	366925	45.4	42.1	38.2	27.5	32.2	31.1	33.5	29.9	35.0	33.1	42.2	31.9	35.2	32.7	25.0		
CE297	376182	367343	40.4	37.7	34.6	28.7	29.0	29.5	32.1	29.7	30.7	31.1	38.3	34.4	33.0	30.7	29.8		
CE298	372778	381560	36.7	32.0	24.1	27.3	22.4	25.9	23.5	23.5	22.1	35.3	43.6	25.9	28.5	26.5	20.9		
CE299	385247	382496	52.1	49.5	38.3	36.4	32.8	28.2	35.3	34.6	34.4	38.2	39.2	32.4	37.6	35.0	30.0		
CE300	372237	379257	49.8	45.2	32.6	44.8	39.4	33.6	34.3	34.5	36.6	38.8	56.0	31.0	39.7	36.9	32.2		
CE301	372255	379334	55.8	54.2	31.8	54.3	44.0	40.5	31.6	32.1	39.6	42.4	62.3	35.4	43.7	40.6	31.4		
CE302	370535	365910	42.8	38.7	30.7	29.6	28.5	25.1	26.4	20.4	28.0	28.5	47.1	26.7	31.0	28.9	24.0		
CE303	370959	355717	52.5	56.4	38.6	37.5	24.7	27.7	26.2	25.9	31.3	39.5	49.0	42.4	37.6	35.0			
CE304	371054	355721	54.0	44.3	38.3	32.8	25.2	30.7	27.4	28.4	30.6	40.9	47.6	42.2	36.9	34.3			

The detailed assessment for the revocation of the Earle Street, Crewe AQMA has indicated a concentration of 32.51µg/m<sup>3</sup> at CE224, however this is given as 34.5µg/m<sup>3</sup> in Table B.1, with no distance-correction required per Table A.2. Please review and correct.

2.2 Table E3.1 shows the NO<sub>2</sub> monitoring data for 2015 to 2019 for each of the monitoring sites above.

Site ID	Site Name	In AQMA?	2015 (µg/m <sup>3</sup> ) (0.67 Bias Factor)	2016 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2017 (µg/m <sup>3</sup> ) (0.67 Bias Factor)	2018 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2019 (µg/m <sup>3</sup> ) (0.93 Bias Factor)
CE224	Outside King's Arms, Earle Street/Rainbow Street	Y	35.75	36.97	37.19	34.29	32.51
CE225	53/55 Earle Street	Y	33.92	35.08	29.07	27.79	28.19
CE226	101/103 Earle Street	Y	25.7	30.48	-	-	-
CE303	Burrows Store, Earle Street	Y	-	-	-	35.19	35.00
CE304	Rising Sun Vaults	Y	-	-	-	35.86	34.30

Table E3.1 – Monitoring Data 2015 to 2019 Earle Street, Crewe AQMA

CE54 is given as 32.35µg/m<sup>3</sup> in Table E2.1 and 32.25µg/m<sup>3</sup> on Page 13.

**Response - The inconsistencies have been corrected and were initially down to cut and paste errors and/or typographical errors. See below as reflected on page 108, 114 and 13.**

Site ID	Site Name	In AQMA?	2015 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2016 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2017 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2018 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2019 (µg/m <sup>3</sup> ) (0.93 Bias Factor)
CE48	Holly Tree Cottage	Y	36.80	<b>50.20</b>	-	-	-
CE50	Westholme, Mere	Y	23.88	23.81	17.46	-	-
CE54	Almond Tree Cottage	Y	<b>40.01</b>	<b>40.94</b>	38.45	33.79	32.25
CE55	Old Hall Lane, Over Tabley	Y	<b>50.76</b>	<b>52.98</b>	39.87	-	-
Site ID	Site Name	In AQMA?	2015 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2016 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2017 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2018 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2019 (µg/m <sup>3</sup> ) (0.93 Bias Factor)
CE57	Cobblestones	Y	<b>50.76</b>	<b>52.98</b>	35.37	-	-
CE61	Mere Corner Cottage	Y	<b>42.52</b>	<b>41.84</b>	21.37	-	-
CE62	Mere Home Farm	N	18.50	20.57	13.54	-	-
CE63	Old Smithy Cottage	Y	29.77	32.92	21.55	-	-
CE64	Mereside Farm, Chester Road	Y	25.24	27.44	22.79	23.26	23.21
CE77	Kenilworth Cottage	N	13.30	15.46	15.54	14.91	14.22
CE78	Yarwood Heath Farm, Yarwood Heath Lane	N	20.33	22.20	19.91	-	-
CE84	Tollbar Cottage	Y	<b>45.79</b>	<b>45.81</b>	24.84	-	-
CE287	Old Smithy Cottage, Millington Hall Lane (replaced CE63 in 2017)	Y	-	-	19.93	-	-
CE292	Dairy Farm Cottage, off Old Hall Lane (replaced CE55 in 2017)	Y	-	-	35.13	26.10	26.03
CE300	The Grove Cottage, Tabley	Y	-	-	-	<b>34.29</b>	<b>32.17</b>
CE301	The Windmill pub, Tabley	Y	-	-	-	<b>32.85</b>	<b>31.41</b>

**Table E2.1 – Monitoring Data 2015 to 2019 A556 Chester Road, Mere AQMA**

Site ID	Site Name	In AQMA?	2015 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2016 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2017 (µg/m <sup>3</sup> ) (0.87 Bias Factor)	2018 (µg/m <sup>3</sup> ) (0.92 Bias Factor)	2019 (µg/m <sup>3</sup> ) (0.93 Bias Factor)
CE224	Outside King's Arms, Earle Street/Rainbow Street	Y	35.75	36.97	37.19	34.29	<b>34.51</b>
CE225	53/55 Earle Street	Y	33.92	35.08	29.07	27.79	33.46
CE226	101/103 Earle Street	Y	25.7	30.48	-	-	-
CE303	Burrows Store, Earle Street	Y	-	-	-	35.19	35.00
CE304	Rising Sun Vaults	Y	-	-	-	35.86	34.30

**Table E3.1 – Monitoring Data 2015 to 2019 Earle Street, Crewe AQMA**

Table E2.1 has been corrected to 32.25µg/m<sup>3</sup> to be the same as reported CE54 on Page 13.

Contact Name:	
Contact Telephone number:	
Contact email address:	

This commentary is not designed to deal with every aspect of the report. It highlights a number of issues that should help the local authority either in completing the Progress Report adequately (if required) or in carrying out future Review & Assessment work.

**Issues specifically related to this appraisal can be followed up by returning the attached comment form to Defra, Welsh Assembly Government, Scottish Government or DOE.**

For any other queries please contact the Local Air Quality Management Helpdesk:  
Telephone: 0800 0327 953  
Email: LAQMHelpdesk@uk.bureauveritas.com

## **Commentary (August 2020)**

Thank you for re-submitting your 2020 ASR and for providing responses to the original commentary. The amended report addresses the issues raised during the initial appraisal, and the report can now be accepted.

## Appraisal Response Comment Form

Contact Name:	
Contact Telephone number:	
Contact email address:	

**Comments on appraisal/Further information:**

For any other queries please contact the Local Air Quality Management Helpdesk:

Telephone: 0800 0327 953

Email: [LAQMHelpdesk@uk.bureauveritas.com](mailto:LAQMHelpdesk@uk.bureauveritas.com)