

Distr.

GENERAL

CEIP/Adjustment RR/2023/United
Kingdom

05/09/2023

English ONLY

Review of the 2023
Annual Reporting of a granted Adjustment
United Kingdom

Expert Review Team Summary Note

FINAL REPORT

Report title	Review of the 2023 annual Reporting of a granted Adjustment
Country	United Kingdom
Report reference	CEIP/Adjustment RR/2023/ United Kingdom
Date	05/09/2023
Version	Final report

Expert Review Team

Role	Sectors	Name	Country
Adjustment lead reviewer	All	Kristina Saarinen	Finland
Primary expert reviewer	Agriculture 3D	Hakam Al-Hanbali	Sweden
Secondary expert reviewer	Agriculture 3D	Tim Van der Zee	The Netherlands
Basic checks (Step 1 and 2)	N/A	Sabine Schindlbacher	CEIP

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2. Introduction

1. As mandated by Executive Body decision 2012/12, applications for adjustments submitted by Parties are subject to expert review. Technical coordination of and support for the 2023 review was provided by the Centre on Emission Inventories and Projections, represented by Ms. Sabine Schindlbacher. The members of the expert review team (ERT) were selected from the experts appointed to the Centre on Emission Inventories and Projections roster of experts by the Parties.
2. The review of adjustments approved prior to 2023 was performed in parallel with the stage 3 review. The ERT for the adjustment review was composed of one lead reviewer, Ms. Kristina Saarinen (Finland) and three sector experts Mr. Tim van der Zee (the Netherlands), Mr. Hakam Al-Hanbali (Sweden) and Mr. Etienne Mathias (France). Each application was reviewed by two independent sectoral experts during April, May and June 2023.
3. The United Kingdom has submitted an adjustment for NH₃ emissions from NFR 3Da2c (Other organic fertilisers applied to soils (including compost)) originally approved in 2022. The adjustment has been justified with the explanation that these sources were unknown when the emission reduction commitments were set. The full adjustment review report of the adjustment application submitted in 2022 is available at <https://www.ceip.at/gothenburg-protocol/review-of-adjustments>. This document summarizes the outcome of the review performed in 2023.

3. Summary Information

Table 1: Summary Information on the Submitted Application

Reasons for adjustment application (Decision 2012/3, para 6)	Emission source categories are identified that were not accounted for at the time when emission reduction commitments were set.
Adjustment Application has been originally approved in	2022
Pollutant for which adjustment is applied for	NH ₃
Sector/Pollutant for which adjustment is applied for	NFR 3Da2c (Other organic fertilisers applied to soils (including compost)).
Year(s) for which inventory adjustment is applied	2005, 2020 and 2021
Date of the submission	15-03-2023
Date of submission of supporting documentation	15-03-2023
Additional information was provided during the review in response to requests from the reviewers	Yes
The United Kingdom does not comply with its NH ₃ , and emission reduction commitments listed in Annex II of the Gothenburg Protocol.	Yes
The United Kingdom provided information on the impact of the adjustment to its emission inventory, and the extent to which it would reduce the current exceedance and possibly bring the Party into compliance with its emission reduction commitments for the years 2005-2021 for NH ₃ .	Yes
The United Kingdom included information on when it will meet its emission ceiling for NH ₃ in the supporting documentation	Yes

4. Summary of the assessment of the ERT

4. NH₃ emissions from 3Da2c (Other organic fertilisers applied to soils).

The reviewers conducted an assessment of the adjustment of NH₃ emissions from NFR 3Da2c (Other organic fertilisers applied to soils (including compost)) for the United Kingdom, originally approved in 2022. The adjustment has been recalculated in 2023 and the corresponding values present small changes compared to the latest approved version (2022). Specifically, a 1% per cent increase for 2022. The United Kingdom explained that changes in the proportion of NH₃ emissions from “other organic fertilisers” applied to soils affect the NH₃ emission. The emissions were estimated using the methodology previously approved by ERT.

The impact of the adjustment on the NH₃ emission inventories of the United Kingdom for the years 2005-2021 in ktonnes is detailed in Table 2.

Table 2: Impact of adjustments on the NH₃ emission inventories of the United Kingdom for the years 2005-2021 in ktonnes.

	Unit	2005	2020	2021
ERC	% of 2005		8%	8%
ERC unadjusted	(kt)		257.4	257.4
NT for Compliance unadjusted	(kt)	279.8	260.1	265.0
Gap to ERC unadjusted	(%)		-1.0%	-2.9%
ERC adjusted	(kt)		257.0	257.0
Adjusted NT for Compliance	(kt)	279.4	247.2	251.8
Gap to ERC adjusted	(%)		3.8%	2.0%
Impact of adjustment on NT for Compliance	(kt)	-0.5	-12.8	-13.2

5. Conclusions and Recommendations of the ERT

5. The reviewers concluded that there had been no change in the methodology that would alter the original approval of the adjustment application and that the application met all of the requirements set out in Executive Body decision 2012/12 and in the Technical Guidance; hence, it is **recommended that the adjustment continue to be accepted**.

6. Information Provided by the Party

6. Table 3 lists the information provided by the Party in its adjustment application. The information provided by the United Kingdom can be downloaded from the CEIP website¹.

Table 3: Information Provided by the Party

Filename	Short description of content
UK_Annex_Ila_2023_Submission_declarati on_on_consistent_reporting_of_approved_ adjustments	MS Excel file with detailed data underlying the proposed adjustment application for NH3 emissions from 3Da2c (Other organic fertilisers applied to soils).
UK_Informative_Inventory_Report_2023.pd f	IIR 2023, pdf-document ; here especially: Chapter 12 - Adjustments.
UK_NFR_Report_2023_CEIP	Excel file.
Declaration on consistent reporting of Approved Adjustments	General information.

7. The ERT found it necessary to ask the Party for further information. The information provided is described in Table 4 below.

Table 4: Additional Information Provided by the Party

Filename	Short description of content
Answers to question sent by the reviewers	Excel file at “Cleverworkplace” - platform at Umweltbundesamt website.

¹ <https://www.ceip.at/gothenburg-protocol/review-of-adjustments>

7. References

Data submitted by Parties applying for an adjustment:

<https://www.ceip.at/gothenburg-protocol/review-of-adjustments>

https://webdab01.umweltbundesamt.at/cgi-bin/adj_v2.pl

Decision 2012/3 (ECE/EB.AIR/111/Add.1): Adjustments under the Gothenburg Protocol to emission reduction commitments or to inventories for the purposes of comparing total national emissions with them.

https://www.ceip.at/fileadmin/inhalte/ceip/4_adjustments/decisions/ece_eb.air_111_add.1_eng_decision_3.pdf

Decision 2012/4: Provisional Application of Amendment to the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone

https://www.ceip.at/fileadmin/inhalte/ceip/4_adjustments/decisions/ece_eb.air_111_add.1_eng_decision_4.pdf

Decision 2012/12 (ECE/EB.AIR/113/Add.1): Guidance for adjustments under the 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone to emission reduction commitments or to inventories for the purposes of comparing total national emissions with them.

https://www.ceip.at/fileadmin/inhalte/ceip/4_adjustments/decisions/decision_2012_12.pdf

Decision 2014/1 (ECE/EB.AIR/127/Add.1): Improving the guidance for adjustments under the 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone to emission reduction commitments or to inventories for the purposes of comparing total national emissions with them.

https://www.ceip.at/fileadmin/inhalte/ceip/4_adjustments/decisions/decision_2014_1.pdf

ECE/EB.AIR/125: 2014 Reporting Guidelines (ECE/EB.AIR/125) for Estimating and Reporting Emission Data under CLRTAP

https://www.ceip.at/fileadmin/inhalte/ceip/1_reporting_guidelines2014/ece.eb.air.125_advance_version_reporting_guidelines_2014.pdf

ECE/EB.AIR/130: Technical Guidance for Parties Making Adjustment Applications and for the Expert Review of Adjustment Applications, 14 April 2015

https://www.ceip.at/fileadmin/inhalte/ceip/4_adjustments/ece_eb_air_130_av_for_the_web.pdf

EMEP/EEA 2019: EMEP/EEA Air Pollutant Emission Inventory Guidebook 2019

<https://www.eea.europa.eu/publications/emep-eea-guidebook-2019>

The 1999 Gothenburg Protocol to Abate Acidification, Eutrophication and Ground-level Ozone

http://www.unece.org/env/lrtap/multi_h1.html

TFEIP 2022: Technical Guidance for Emissions Inventory Adjustments under the Amended Gothenburg Protocol: Inventory adjustments in the context of ERCs

<https://www.ceip.at/gothenburg-protocol/adjustments>