MINISTRY OF ECOLOGY, GEOLOGY AND NATURAL RESOURCES OF THE REPUBLIC OF KAZAKHSTAN

Joint-stock company «Zhasyl Damu»

Fourth progress report under the Plan to the enforcement Branch of the Compliance Committee of the Kyoto Protocol

Nur-Sultan, 2022

APPROVAL SHEET

«Fourth progress report under the Plan to the enforcement Branch of the Compliance Committee of the Kyoto Protocol»

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Report

Submitted pursuant to paragraph 29 (b) of the preliminary report (CC-2019- 1-5 / Kazakhstan / EB) dated April 30, 2019, confirmed by the final decision of the enforcement branch of the Compliance Committee for the Republic of Kazakhstan (CC-2020- 1-4 / Kazakhstan / EB) dated January 13, 2021 and referred to in paragraph 1 of Section XV in accordance with the basic requirements of paragraph 2 of Section XV and paragraph 1 of Rule 25 bis of the “Rules of procedure of the Compliance Committee of the Kyoto Protocol”.

SUMMARY

Kazakhstan submits Fourth Progress Report under the Plan to the Compliance Branch of the Kyoto Protocol Compliance Committee in accordance with paragraph 2 of Section XV “Procedures and Mechanisms Relating to Compliance with the Kyoto Protocol” (annex to decision 27 / CMP.1) in response to the preliminary opinion of the Compliance Committee of the Compliance Committee (CC-2019-1-5 / Kazakhstan / EB), confirmed by the final decision of the Compliance Branch (CC-2020-1-4 / Kazakhstan / EB) dated January 13, 2021.

Report

This report contains information on the activities implemented within the framework of the conclusions presented in the conclusion of the Compliance Committee and the results of the review of the NIR 1990-2017, contained in the final Decision of the Compliance Unit (CC-2020-1-4/ Kazakhstan/EB) dated January 13, 2021 and within the framework of the implementation of subsequent Reviews.

Implementation of measures to address the comments contained in the final Decision of the Enforcement Unit (CC-2020-1-4/ Kazakhstan/EB)

Comment 1

Making adjustments to inventories in accordance with paragraph 2 of Article 5 of the Kyoto Protocol and its annexes regarding the assessment of greenhouse gas emissions from coking coal for 2013, 2014 and 2015. Kazakhstan should accept the ERT adjustments in accordance with document SS-2019-1-7 / Kazakhstan / EB dated June 26, 2019.

Implemented activities:

In order to resolve this issue, working meetings with the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan were organized, which provides initial data on the consumption of coking coal. The Bureau of National Statistics provided an official letter confirming the lack of data on coking coal consumption for 2013.

Since there are no data for 2013 for coking coal, the methods for filling the gaps according to the IPCC National Greenhouse Gas Inventory Guidelines for 2006 were preliminarily used to reconstruct a number of data. According to the analysis of gap-filling methods, none of the methods is recommended for use due to the lack of sufficient initial data.

In 2021, the information on the consumption of coking coal was requested from the largest consumer of coking coal in the Republic of Kazakhstan - JSC “ArcelorMittal Temirtau”, located in Temirtau. According to a comparison of data on coking coal provided by the Bureau of National Statistics and data provided by the enterprise, “ArcelorMittal Temirtau” JSC is a consumer of more than 70% of coking coal.

“ArcelorMittal Temirtau” JSC provided data on coking coal consumption for the period from 1990 to 2020. (inclusively, there are data on coking coal for 2013-2015) for the production of cast iron and steel. The data will be used as coking coal consumption in the sector "1.A.1c Solid fuel production", which made it possible to reduce the amount of coking coal consumed in the sector "1.A.5 Other sources".

As a comment of the Expert Review Team (Provisional main findings_ CR_2021_Kazakhstan, Table 3, E12), a discrepancy between coking coal consumption in the sectoral and baseline approaches was identified.

The data provided in the fuel and energy balance of the Bureau of National Statistics did not fully reflect the total amount of coking coal consumption in the sector approach. The difference between the approaches was indicated in category

1.A.5 "Other sources". According to the recommendation of the ERT, in order to solve this issue and to balance fuel consumption between the basic and sectoral approaches, additional calculations were required.

This difference between the two approaches was reduced by using data on the consumption of coking coal by ArcelorMittal Temirtau, JSC and the series for 2014-2020 were recalculated for category 1.A.5 "Other sources" and 1.A.1b "Oil production , gas and solid fuels”.

The implementation of additional calculations was carried out by using data on the consumption of coking coal of ArcelorMittal Temirtau JSC. As a result, the series for 2014-2020 were recalculated for categories 1.A.5 "Other sources" and 1.A.1b "Production of oil, gas and solid fuels".

These calculations made it possible to reduce the difference between the basic and the sector approach.

More details with relevant information are provided in NIR 2022.

In connection with the above, the Party asks you to accept this comment as a resolved.

Comment 2

The NIR did not include an action plan and information on its implementation to address issues related to the functions of the national system, in particular milestones and expected timelines for:

(1) conclusion of additional agreements and mechanisms for improving interagency cooperation and support;

(2) defining roles and responsibilities for QA/QA and data verification;

(3) implementation of mechanisms for review, approval and signing processes.

Implemented activities:

On July 1, 2021, the new Environmental Code of the Republic of Kazakhstan has entered into force, under which the national inventory system of greenhouse gas emissions and removals is regulated in accordance with Article 302[1].

In accordance with paragraph 3 of Article 302, the organization and coordination of the functioning of the state system for the inventory of emissions and removals of greenhouse gases is carried out by the authorized body in the field of environmental protection. The authorized body is the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan.

In accordance with paragraph 4 of Article 302, the preparation of the state inventory of emissions and removals of greenhouse gases is carried out by the operator of the carbon units trading system. The operator of the carbon units trading system is Zhasyl Damu JSC.

According to paragraph 5 of Article 302 of the Environmental Code of the Republic of Kazakhstan, control over the completeness, transparency and reliability of the state inventory of emissions and removals of greenhouse gases is carried out annually in accordance with the Rules approved by the authorized body in the field of environmental protection (https://adilet.zan.kz/rus /docs/K2100000400).

In order to implement the above paragraph, in 2021, work was carried out to develop draft Rules for monitoring the completeness, transparency and reliability of the state inventory of greenhouse gas emissions and removals (hereinafter referred to as the Rules).

The rules were developed taking into account the recommendations of the ERT on improving the functioning of the National Greenhouse Gas Inventory System in cooperation with international experts under the UNDP project.

On February 22, 2022, Order No. 46 of the Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan “On Approval of the Rules for

[1] https://adilet.zan.kz/rus/docs/K2100000400

Controlling the Completeness, Transparency and Reliability of the State Inventory of Greenhouse Gas Emissions and Removals" was approved.[2] This Order has been agreed with all interested state bodies that participate in the national greenhouse gas inventory system.

In particular, the Rules draft provide for measures to address the following provision:

(1) Conclusion of additional agreements and mechanisms to improve interagency cooperation and support

the Rules provide for the establishment of an interagency Working Group on the functioning of the state greenhouse gas inventory system chaired by the Authorized body in the field of environmental protection, which is a single national body bearing overall responsibility for the national inventory in accordance with clause 10.c) of Decision 19/CMP.1 and implementing Organization and coordination of the functioning of the state system for inventorying emissions and removals of greenhouse gases in accordance with paragraph 3 of Article 302 of the Environmental Code of the Republic of Kazakhstan (https://adilet.zan.kz/rus/docs/K2100000400).

According to paragraph 8 of the Rules, the Working Group consists of representatives of the authorized body, the operator of the carbon units trading system, State bodies and organizations responsible for performing all functions in accordance with subparagraph (a) of paragraph 10 of Decision 19/CMP.1 and involved in the process of providing source data, developing, providing a QA/QC plan, using calculation coefficients and checking the National Cadastre.

In accordance with the Rules, 4 Meetings of the Working Group are indicated.

At the first Meeting, the representatives of the Working Group approve the dates of subsequent Meetings, consider and approve the QA/QC Plan.

At the second Meeting, the submission of initial data is considered and distributed among the representatives of the Working Group.

The second Meeting of the Working Group is scheduled for June 29 this year.

The approved requests are then formally forwarded to the representatives of the Working Group responsible for providing baseline data according to the second Meeting.

At the third meeting, responses to the provision of background information are considered. If necessary, additional requests are sent.

[2] https://adilet.zan.kz/rus/docs/V2200026905

At the fourth Meeting, the developed draft National Report is considered and approved. Before the fourth Meeting, the draft National Report is officially sent for consideration and approval to the representatives of the Working Group.

According to paragraph 9 of the Rules, the first meeting of the Working Group takes place no later than 30 April annually. The dates of subsequent meetings of the Working Group are determined based on the results of the first meeting.

On April 22, 2022, the first Meeting of the Working Group was held, consisting of representatives of state bodies and organizations involved in the process of providing initial data, developing, providing a QA/QC plan, using calculation factors and checking the National Cadastre.

Also, the meeting of the Working Group can be viewed at the link - https://www.youtube.com/watch?v=Oko7CqQznNI.

Based on First Meeting Minutes, the following decisions were made:

- Holding a meeting to discuss the possibility of providing complete reliable source data for calculating greenhouse gas emissions since 1990 with the Ministry of Industry and Infrastructure Development, Energy, Bureau of National Statistics;
- Development and approval of a Memorandum of Cooperation in terms of the exchange of initial data for calculating greenhouse gas emissions between the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan, the Bureau of National Statistics and JSC Zhasyl Damu;
- Approval of the Schedule of Meetings of the Working Group;
- Approval of the Quality Assurance and Quality Control Plan;

In pursuance of these points, the following activities were carried out:

1. Holding a meeting to discuss the possibility of providing complete reliable source data for calculating greenhouse gas emissions since 1990 with the Ministry of Industry and Infrastructure Development, Energy and Bureau of National Statistics.

On May 16th, JSC Zhasyl Damu, the Ministry of Ecology, Geology and Natural Resources have organized a meeting with the Ministry of Industry and Infrastructure Development, the Ministry of Energy and the Bureau of National Statistics.

Following the meeting, JSC Zhasyl Damu sent a letter to the Bureau of National Statistics to submit an official joint request to the Federal State Statistics Service of the Russian Federation in order to get the data on fuel and energy balance of the Republic of Kazakhstan in 1990-2000. The official request is attached as an Annex to this Report.

Also, the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan developed and sent for approval the Memorandum of Cooperation and in terms of the exchange of initial data for calculating greenhouse

gas emissions between the Ministry of Ecology, Geology and the Ministry of Industry and Infrastructure Development. An official letter on the submission of the Memorandum draft is attached as an Annex to this Report.

2. *Development and approval of a Memorandum of Cooperation in terms of the exchange of initial data for calculating greenhouse gas emissions between the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan, the Bureau of National Statistics and JSC Zhasyl Damu.*

The Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan has developed and submitted for approval a Memorandum of Cooperation and regarding the exchange of initial data for calculating greenhouse gas emissions between the Ministry of Ecology, Geology and the Bureau of National Statistics. An official letter on the submission of the Memorandum draft is attached as an Annex to this Report.

3. Approval of the Schedule of Working Group Meetings

According to paragraph 9 of the Rules, the dates of subsequent Working Group meetings are determined based on the results of the first meeting.

At the first Working Group meeting, the Schedule of subsequent Meetings was approved.

According to the approved Schedule, the following dates were approved:

April, 22nd , 2022 – First Meeting;

June, 29th, 2022 – Second Meeting;

August, 19th, 2022 – Third Meeting;

April, 7th, 2023 – Fourth Meeting.

4. Approval of the Quality Assurance and Quality Control Plan;

At the Working Group First Meeting, the QA/QC Plan was considered and approved. The QA/QC plan is presented in the Annex to this letter.

(2) Definition of roles and responsibilities for QA/QC and data verification.

To address this issue, provisions of Rules were written for the development of Quality Assurance and Quality Control Plan, its consideration at Working Group meeting and verification of the National inventory data by third parties, as well as by Working Group representatives.

According to paragraph 10 of the Rules, JSC Zhasyl Damu develops a QA/QC Plan in accordance with subparagraph d) of Decision 19/CMP.1/

The plan contains the following activities:

1) schedule for the preparation of work from the start of development to its submission to the UNFCCC Secretariat;

2) description of verification procedures;

3) a list of assigned persons for quality control procedures and deadlines for their implementation by sector.

The plan contains the following procedures for quality control of the state inventory:

1) appointment of verification person;

2) setting up the calendar plan of work and terms of checking;

3) verification of initial data correctness;

4) cross-checking the calculations between the experts in particular sectors.

The plan contains the information on improving the quality of activity data, emission factors, methods and parameters of the National Report.

The QA/QC plan was reviewed and adopted at the first Meeting of its consideration at the meeting of the Working Group. The QA/QC plan is presented in the annex to this Report.

Also, data verification is prescribed in paragraphs 27,28 of the Rules, according to which the Authorized Body sends the draft of the developed National Report for consideration to national validation and verification bodies, independent experts, specialized scientific institutions that were not directly involved in the preparation of the state inventory.

(3) Implementation of mechanism for review, approval and signing processes

Mechanism on review, approval and timely annual submission of NIR by the due date (April 15th of each year) are also provided in the Rules.

According to paragraphs 27-33 of the Rules, the Authorized Body (Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan) sends the National Report draft developed by JSC Zhasyl Damu until February, 15th for consideration by national validation and verification bodies, independent experts, specialized scientific institutions, not directly involved in the preparation of the state inventory.

Organizations, within 10 working days, consider the National Report draft and submit their comments and suggestions.

JSC Zhasyl Damu finalizes the results of the state inventory, taking into account the comments and suggestions of representatives from the Organizations.

The authorized body controls the evaluation of the final results by reviewing the National Report, taking into account comments and suggestions.

The Working Group at the fourth Meeting considers and agrees on the annual National Report by April, 10th, of each year. According to the Protocol Decision of the first Meeting of the Working Group, the fourth Meeting is scheduled for April 7, 2023.

The authorized body annually by April, 15th, ensures the submission of the National Report of the Republic of Kazakhstan to the Secretariat of the UNFCCC.

In connection with the information provided, the Party asks you to accept this comment as a resolved.

Comment 3

The National registry was not established at the time of submission of Kazakhstan report in order to facilitate the calculation of assigned amount under the Kyoto protocol or during review (verification), i.e. in 2017, regarding the existence of a national registry, the ERT also noted the mandatory requirement set out in paragraph 1 (m) of Annex I to decision 2/CMP.8 that Annex I Parties that do not have a target for the Quantitative Control and Reduction of Emissions in the First Credit Period, include a description of the inventory in the reporting, in accordance with the provisions of decision 15/CMP.1 in conjunction with decision 3/CMP.11 in their reports to facilitate the calculation of the assigned amount in accordance with the Kyoto Protocol.

Implemented activities:

Currently, the internal State Register is in operation for the purposes of implementing and maintaining the national Emissions Trading System.

The functioning of the State Register of Carbon Units is carried out in accordance with Article 300 of the Environmental Code of the Republic of Kazakhstan (https://adilet.zan.kz/rus/docs/K2100000400) and the order of the Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan dated July 14, 2021 No. 251 "On approval of the Rules for the formation and maintenance of the state register of carbon units" (https://adilet.zan.kz/rus/docs/V2100023555).

According to paragraph 1 of Article 300 of the Environmental Code of the Republic of Kazakhstan, the State Register is a system for recording transactions related to the introduction into circulation, storage, transfer, acquisition, reservation, cancellation, withdrawal from circulation of carbon units.

To regulate the level of greenhouse gas emissions, as well as their reduction through the implementation of offset projects, adaptation to international requirements for the implementation of carbon unit trading processes, the purpose of the Register is:

− creation of conditions for further actions to control greenhouse gas emissions on the territory of the Republic of Kazakhstan, control greenhouse gas emissions and ensuring accurate accounting of carbon units in the domestic carbon market;

− introduction into production of advanced foreign scientific and technical developments in the field of development of the international carbon market;

− openness of the system for conducting tenders and available units on the accounts of users of natural resources;

− ensuring the processes of introducing carbon units into circulation and mechanisms for their implementation, issuing additional quotas, implementing offset projects, selling carbon units on trading exchanges;

− providing an opportunity (for an operator of a carbon units trading system, an installation operator, an applicant for an offset project) to enter the internal carbon market of the Republic of Kazakhstan in order to sell carbon units;

− enabling commodity platforms to accept requests for the sale or purchase of carbon units from the Registry.

To achieve the set goals, the Registry solves the following tasks:

− maintaining the uniqueness of the personal account and the uniqueness of carbon units;

− storage and processing of incoming data, taking into account time regulations.

In 2022, it is planned to discuss recommendations for the Technical Specification for the design and procurement of the State Register IT system and consider opportunities to improve the State Register of Carbon Units.

At the same time, due to the expiration of the Kyoto Protocol and the decision of the Republic of Kazakhstan about non-ratification of the Doha Amendment, the question is about the feasibility of development a Registry which requires a certain number of financial resources.

In this regard, the Party kindly asks you to accept this comment as a resolved.

Comment 4

The ERT noted that Kazakhstan did not provide a chapter or section related to KP-LULUCF reporting.

Implemented activities:

The Republic of Kazakhstan has not ratified the Doha Amendment, which entered into force on December 31, 2020.

In connection with the above, it is not planned to provide information on chapters or sections related to KP-LULUCF reporting.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Comment 5

The ERT concluded that Kazakhstan did not provide the Standard Electronic Forms (SEF) tables for 2013-2017 and other relevant information on accounting for Kyoto Protocol units required in accordance with paragraphs 12-18 of the annex to decision 15/CMP.1 in in conjunction with decision 3/CMP.11 and in decision 3/CMP.11, with paragraph 13 in particular.

Implemented activities:

In 2021, the Country submitted the SEF tables for 2020 and 2021 to the UNFCCC Secretariat. The SEF 2021 tables were filled with "NO" notation keys due to the lack of activity within the framework of KP mechanisms in the country. In 2022, the SEF tables were not submitted due to the lack of activity under these mechanisms, as well as due to the decision of the Republic of Kazakhstan not to ratify the Doha Amendment. Further, the Party does not plan to provide information on Kyoto units.

In connection with the above, the Party asks you to accept this comment as a resolved.

Implementation of measures to eliminate comments, as part of the issues of the implementation of subsequent Reviews

Comment 1

The NIR does not include the information on planned capacity building activities and progress on capacity building activities or specific arrangements for data sharing and data transfer.

Implemented activities:

In 2022, a number of training seminars and trainings were held aimed at increasing the capacity of national experts with international consultants to improve national reporting in problem sectors.

On April 26-29, 2022, national greenhouse gas inventory experts participated in a sub-regional training on greenhouse gas inventory and reporting requirements under the Paris Agreement, organized by IGCE and ESCAP.

In 2022, within the framework of cooperation with UNDP under the project “Development of the Eighth National Communication of the Republic of Kazakhstan within the framework of the UNFCCC and preparation of two (fourth and fifth) biennial reports”, it is planned to conduct training sessions in the Waste and LULUCF sectors.

Also, it is planned to train experts of JSC "Zhasyl Damu" at the invitation of the UNFCC-GIR-CAST Program from July 25 to August 13, 2022.

Information on planned and implemented capacity-building measures is presented in the NIR 2022 and will be presented in subsequent NIR.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Comment 2

The ERT noted that while the NIR included uncertainty estimates for the last reporting year and trends between the base year and the last reporting year, it did not include uncertainty estimates for the base year. The ERT also noted that the NIR (Section 1.6, page 31) indicates that Kazakhstan has used a 95 percent interval for estimating emissions uncertainty and that the uncertainty table is presented in accordance with Table 3.2 of the 2006 IPCC Guidelines (Volume 1, page 3.3 1); however, in accordance with Decision 24/CP.19 Annex I, paragraph 42, this information should be presented using Table 3.3 of the 2006 IPCC Guidelines (Vol. 1, p. 3.42).

Implemented activities:

Kazakhstan provided detailed information reflecting the general uncertainty and in the context of all categories of the NIR 2022, both for the base year and for the reporting year, taking into account LULUCF and excluding LULUCF. Information was provided both on the general uncertainty of the inventory and by category, including the uncertainty of the trend of national greenhouse gas emissions.

In subsequent NIR, additional information will be provided according to Table 3.3 of the IPCC GLs.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Comment 3

The ERT noted that the NIR did not include a chapter on recalculations and planned improvements to the proposed scheme and general structure of the NIR contained in decision 24/CP.19.

Implemented activities:

A generalized chapter on recalculations was included in the NIR 2022 with a description (Chapter 1.7) and the necessary tables (Appendix 4). A joint chapter on improvements is not included, but detailed and up-to-date information on planned improvements is provided in the relevant sections of the NIR2022.

A generalized chapter on recalculations was included in the NIR 2022, as well as subsequent NIR will be supplemented by a combined Chapter on improvements.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Comment 4

The ERT noted that the NIR includes a general description of how the process for ensuring the security of records in the inventory archive is organized (Section 1.3, pp. 28-29). However, the NIR does not contain any information on actions taken to improve the inventory archiving system, or does not explain what actions were taken to improve access to archived information located in Almaty from remote locations (for example, Nur-Sultan) for inventory personnel and ERT during the country review.

Implemented activities:

For the purposes of preparing annual national reports on the greenhouse gas inventory, JSC Zhasyl Damu archives and stores initial data for national inventory. Correspondence is maintained with organizations that supply data and reporting information:

a) data for the annual inventory is stored both in electronic form and on paper. A special room has been allocated for storing own data on greenhouse gas inventory reports of large enterprises of the Republic of Kazakhstan, which began to be collected in 2010 as part of the internal trading system for greenhouse gas emissions. There are also printed methodological materials, statistical yearbooks, correspondence with suppliers of initial information for calculations and reporting materials for recent years;

b) data and calculation results of greenhouse gas emissions by sector are stored in the file system in hard copy and electronic form. The archive is an isolated room. Protection from natural disasters, fires and floods is provided by service personnel. Fire safety is maintained. The archive is equipped with a fire extinguisher. A responsible person for fire safety has been appointed.

The Rules have developed clauses to ensure the following conditions for archiving information, in accordance with clause 16 of Decision 19/CMP.1[3]:

1) archiving of information used in the preparation of the National Report: activity data used to calculate emissions and removals of greenhouse gases, internal documentation on quality control and quality assurance procedures, data on key and non-key categories of emission sources, as well as the planned improvement of the National Report;

2) access to archived information by representatives of the authorized body, national experts, independent experts during the annual verification of the National Report initiated by the Convention Secretariat.

[3] https://adilet.zan.kz/rus/docs/V2200026905

3) development of responses of national experts to the questions of the auditors during the international review, and the introduction of recommendations based on the results of the audit in the National Report.

Providing access to archived information is carried out by national experts of JSC Zhasyl Damu at the request of the authorized body or during the verification of the state inventory of greenhouse gases by the International Group of Experts.

An activity is currently being developed to actually enable the improvement of the inventory archiving system and improve access to archived information from remote locations for national experts and ERTs when going through the country review through the use of a cloud storage tool.

In the NIR 2022, this information is included in section 1.2.3.5.

In the NIR 2022, this information is included in section 1.2.3.5., as well as subsequent NIR will contain detailed information on archiving.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Comment 5

The ERT noted that during the review, Kazakhstan's responses to the ERT's requests for clarification of inventory information were not provided in a timely manner. Specifically, by the end of the review week, 15 questions asking for clarification of inventory information on General Issues, Energy, IPPU and Waste remained unanswered.

The ERT concluded that the national system function mentioned above is not fully implemented and should be fully functional in accordance with decision 19/CMP.1 next paragraph 16 c) in conjunction with decisions 3/CMP.11 and 4/CMP.11.

The ERT recommended that Kazakhstan provide a communications plan to ensure that (1) requests made by the ERT for clarification of inventory information are received and transmitted in a timely manner; (2) the approval mechanism for responses (if applicable) is clearly described, including the respective roles and responsibilities; and (3) the response schedule was agreed between the approving agencies and the involved organizations.

In response, Kazakhstan indicated that a communication plan would be developed and would include a mechanism for approving responses to the ERTs with a clear description of roles and responsibilities. In addition, the plan will provide information on the agreed timelines for responses between the approving

agencies and organizations. The ERT reviewed the party's response and found that Kazakhstan did not resolve the issue in a satisfactory manner as the response did not include the requested communication plan and any description of specific actions and steps.

Implemented activities:

During the 2019 review, Kazakhstan responded in a timely and complete manner to more than 400 questions from the ERT.

In 2021, from October 18 to 23, the ERT held a centralized review of the NIR 2019, during which national experts answered all 390 questions from the ERT.

The plan for communication upon receipt of a request from the ERT is presented below.

In connection with the provided information, the Party asks you to accept this comment as a resolved.

Communication plan upon receipt of a request from the ERT during an international review

№	Procedures by national experts	Deadline	Person in charge
1.	Uploading requests received from the ERT to the IVTR office	The date the request is received	National Focal Points – Director of the Greenhouse Gas Inventory Department, Deputy Director of the Greenhouse Gas Inventory Department
2.	Distribution of the incoming request, determination of the deadline	The date the request is received	National Focal Points
3.	Development of a draft response to a request	1 - 2 days after request is received	Responsible national expert
4.	Consideration of the draft response to the request	On the day the response to the request is developed	National Focal Points
5.	Verification and approval of the answer	1 day after reply	National focal points, representatives of the national authority with overall responsibility for the national inventory (if necessary)
6.	Uploading a response to a ERT request	1 day after reply	National Focal Points

Procedures for Requests Requiring Additional Information			
1.	Uploading requests received from the ERT to the IVTR office	The date the request is received	National Focal Points – Director of the Greenhouse Gas Inventory Department, Deputy Director of the Greenhouse Gas Inventory Department
2.	Distribution of the incoming request, determination of the deadline	The date the request is received	National Focal Points
3.	Organization of the discussion of the ERT request	1 day after request is received	National focal points, representatives of the national authority with overall responsibility for the national inventory (if necessary), responsible national experts
4.	Preparation of a request to the relevant government agency/enterprise responsible for providing initial data to respond to the request	On the day of discussion of the ERT request	Responsible national expert
5.	Obtaining a response to a request from a government agency/enterprise responsible for providing initial data	2-3 days after preparing the request	Responsible national expert
6.	Refinement of the response to the request of the ERT, taking into account the information received from the state body / enterprise responsible for providing the initial data	On the day of the response	Responsible national expert

7.	Verification and approval of the answer	On the day of the response	National focal points, representatives of the national authority with overall responsibility for the national inventory
8.	Uploading a response to a ERT request	On the day of the response	National Focal Points

Comment 6

The ERT noted that, in accordance with paragraph 25 of the annex to decision 2/CMP.7, “National inventory systems established in accordance with Article 5, paragraph 1, ensure that land areas subject to land use, land-use change and forestry activities are in line with paragraphs 3 and 4 of Article 3 are identifiable and information on these areas must be provided by each Annex I Party to their national inventories in accordance with Article 7.

The ERT also noted that Kazakhstan considered the reporting of KP-LULUCF activities in relation to lands at the national level (with reference to the map with national land cover), and not at the level of geographical boundaries, including land units on which KP-LULUCF activities are carried out.

Implemented activities:

In the NIR 2021, the Country provided limited reporting under the LULUCF section related to obligations under the UNFCCC Convention.

At the same time, as part of the preparation of the NIR 2022, the country implemented measures to improve the consistency of land representation and ensure the completeness of calculations for the assessment of anthropogenic activities related to land use and land use management systems, stratification of land areas and calculations at a higher level. Also, approach 2 was applied, which provides the resulting calculations of greenhouse gases by categories of activity within administrative regions without precise reference to a geographical grid of coordinates.

The measures carried out made it possible to increase the accuracy and reduce the uncertainty of calculations.

Since the Republic of Kazakhstan has not ratified the Doha Amendment, for the second commitment period under the Kyoto Protocol, the Country will not submit additional reporting on land-use activities in accordance with paragraphs 3 and 4 of Article 3 of the Kyoto Protocol.

At the same time, in order to improve the quality of information on the functioning of the national inventory system for the LULUCF sector, it is planned to provide information at the level of individual administrative regions by key categories (Forest land (F), Cultivated Land (C) in subsequent NIRs.

In connection with the above, the Party asks you to accept this comment as a resolved.

Comment 7

The NIR 2019 did not contain information on minimizing adverse impacts or changes to this information, which is a mandatory requirement under Article 3, paragraph 14, of the Kyoto Protocol in accordance with decision 15 /CMP.1 in conjunction with decision 3 / CMP.11.

Implemented activities:

In 2020, relevant information was requested from the Ministry of Foreign Affairs of the Republic of Kazakhstan. The NIR 2021 includes information on minimizing adverse impacts or changes to this information, in accordance with the requirements of Article 3, paragraph 14 of the Kyoto Protocol.

Currently, a request has been sent to the Ministry of Foreign Affairs for the provision of relevant information for the NIR 2023.

In subsequent NIRs, it is also planned to provide information on minimizing adverse impacts or changes to this information, **in connection with which the Party requests to accept this comment as a resolved.**

Table on the work done to eliminate the submitted comments and the withdrawal of Kazakhstan from the regime of non-compliance with the Kyoto Protocol

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	**2**	**3**	**4**	**5**	**6**
Implementation of measures to address the comments contained in the final Decision of the Enforcement Unit (CC-2020-1-4/ Kazakhstan/EB)					
1	Adjustments related to coking coal	Making adjustments to the inventories in accordance with paragraph 2 of Article 5 of the Kyoto Protocol and its annexes regarding the assessment of greenhouse gas emissions from coking coal for 2013, 2014 and 2015. Kazakhstan is to accept the ERT adjustments in accordance with CC-2019-1-7/Kazakhstan/EB dated June 26, 2019.	- The Bureau of National Statistics of the Agency for Strategic Planning and Reform provided an official letter confirming the lack of data on coking coal consumption for 2013; - Based on calculations and data analysis, the available data are insufficient to provide an estimate of coking coal consumption for 2013 by applying the gap-filling method according to the IPCC guidelines; - Calculations are carried out according to the data provided by JSC ArcelorMittal Temirtau on the consumption of coking coal for the period from 1990 to 2020;	NIR 2022 contains a description of the estimated consumption of coking coal from 1990 to 2020, including the period 2013-2015.	The Party asks you to accept this comment as a resolved due to the implementation of adjustments related to coking coal
2	Implementation to solve problems related to the	The NIR did not include an action plan and information on its implementation to address issues	The Rules for monitoring the completeness, transparency and reliability of the state inventory of	Order of the Minister of Ecology, Geology	The Party asks you to accept this comment as a

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	2	3	4	5	6
	functions of the national system	related to the functions of the national system, in particular milestones and expected timelines for: (1) conclusion of additional agreements and mechanisms for improving interagency cooperation and support; (2) definition of roles and responsibilities for QA/QA and data verification; (3) implementation of mechanisms for review, approval and signing processes.	emissions and removals of greenhouse gases, developed in accordance with the guidelines of national systems, which are prescribed in decision 19 / CMP.1, were approved.	and Natural Resources of the Republic of Kazakhstan dated February 22, 2022 No. 46 “On Approval of the Rules for Controlling the Completeness, Transparency and Reliability of the State Inventory of Greenhouse Gas Emissions and Removals”	resolved due to the development and approval of the Order containing measures to address issues related to the functions of the national system and the implementation of the measures specified in the Rules
3	The national registry was not established at the time of submission of the Kazakhstan report to facilitate the calculation of the assigned amount under the	The national registry was not established at the time of submission of the Kazakhstan report to facilitate the calculation of the assigned amount under the Kyoto Protocol or at the time of review (verification), i.e. in 2017 regarding the existence of a national registry, the national registry was	- it is planned to discuss recommendations to the Technical Specification for the design and procurement of the IT system of the State Register and consider opportunities for improving the State Register of Carbon Units.	The NIR 2022 provides information on the internal National Register of Carbon Units	The Party asks you to accept this comment as a resolved due to the decision do not ratify the Doha Amendment

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	2	3	4	5	6
	Kyoto Protocol or at the time of review (verification)	not established at the time of submission of the Kazakhstan report to facilitate the calculation of the assigned amount under the Kyoto Protocol or at the time of review (verification), i.e. in 2017 regarding the existence of a national registry, The ERT also noted the mandatory requirement set out in paragraph 1 (m) of annex I to decision 2/CMP.8 that Annex I Parties that do not have a quantification and reduction target in the first credit period include description of the registry in reporting, in accordance with the provisions of decision 15/CMP.1, in conjunction with decision 3/CMP.11 in their reports to facilitate the calculation of the assigned amount under the Kyoto Protocol.			
4	Failure to submit chapters on units of	The ERT noted that Kazakhstan did not provide a chapter or section related to KP-LULUCF reporting	The Republic of Kazakhstan has not ratified the Doha Amendment,	It is not planned to provide information on	The Party asks you to accept this comment as a

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	2	3	4	5	6
	the Kyoto Protocol - LULUCF		which entered into force on December 31, 2020. In connection with the above, it is not planned to provide information on chapters or sections related to KP-LULUCF reporting.	chapters or sections related to the KP-LULUCF reporting due to the non-ratification of the Doha Amendment by the Republic of Kazakhstan	resolved due to the decision do not ratify the Doha Amendment
5	Failure to submit a table of standard electronic forms (SEF) for 2013-2017 and other relevant information on accounting for Kyoto Protocol units	The ERT also concluded that Kazakhstan did not provide the Standard Electronic Forms (SEF) tables for 2013-2017 and other relevant information on accounting for Kyoto Protocol units required in accordance with paragraphs 12-18 of the annex to decision 15/CMP.1 in combination with decision 3/CMP.11 and with decision 3/CMP.11, with paragraph 13, in particular.	In 2021, the Country submitted the SEF tables for 2020 and 2021 to the UNFCCC Secretariat. The SE 2021 tables were filled with "NO" notation keys due to the lack of activity within the framework of KP mechanisms in the country. In 2022, the SEF tables were not submitted due to the lack of activity under these mechanisms, as well as due to the decision of the Republic of Kazakhstan not to ratify the Doha Amendment. Further, the Party does not plan to provide information on Kyoto units.	It is not planned to provide information on Kyoto units, due to the non-ratification of the Doha Amendment by the Republic of Kazakhstan	The Party asks you to accept this comment as a resolved due to the decision of the Party to not to ratify the Doha Amendment
Implementation of measures to eliminate comments, as part of the issues of the implementation of subsequent Reviews					
1	Failure to provide information on planned capacity	The NIR does not include information on planned capacity building activities and progress on	In 2022, a number of training seminars and trainings were held aimed at increasing the level of	The NIR 2022 provides information on	The Party asks you to accept this comment as a

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	2	3	4	5	6
	building measures or specific arrangements for data exchange and data transfer.	capacity building activities or specific arrangements for data sharing and data transfer.	national experts with international consultants to improve national reporting in problem sectors. On April 26-29, 2022, national greenhouse gas inventory experts participated in a sub-regional training on greenhouse gas inventory and reporting requirements under the Paris Agreement, organized by IGCE and ESCAP. In 2022, within the framework of cooperation with UNDP under the project “Development of the Eighth National Communication of the Republic of Kazakhstan within the framework of the UNFCCC and preparation of two (fourth and fifth) biennial reports”, it is planned to conduct training sessions in the Waste and LULUCF sectors. Information on planned and implemented capacity building measures is presented in the NIR 2022.- In 2022, within the framework of cooperation with	planned and implemented capacity building activities and progress on capacity building activities	resolved regarding the presentation of information on planned capacity-building measures in the NIR 2021,2022 and the intention of the Party to further present this information in subsequent NIRs

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
1	2	3	4	5	6
			UNDP, it is planned to conduct training sessions in the Waste and LULUCF sectors.		
2	The uncertainty table is not presented in accordance with Table 3.3 of the 2006 IPCC Guidelines (Volume 1, page 3.42).	The ERT noted that while the NIR included uncertainty estimates for the last reporting year and the trend between the base year and the last reporting year, it did not include uncertainty estimates for the base year. The ERT also noted that the NIR (Section 1.6, p. 31) indicated that Kazakhstan used a 95 percent interval to estimate emissions uncertainty and that the uncertainty table presented in accordance with Table 3.2 of the 2006 IPCC Guidelines (Vol. 1, p. 3.3 1); however, in accordance with Decision 24/CP.19 Annex I, paragraph 42, this information should be presented using Table 3.3 of the 2006 IPCC Guidelines (Vol. 1, p. 3.42).	Kazakhstan assessed and included in the NIR 2022 uncertainty information for the base year in accordance with Table 3.2 of the 2006 IPCC Guidelines and will include it in the next NIR. Table 3.2 shows detailed information on both the total inventory uncertainty and by category, including the uncertainty of the trend of national greenhouse gas emissions.	The NIR 2022 provides information on the uncertainty assessment for the base year, the last reporting year and the trend between the base year and the last reporting year	The Party requests to accept this comment as a resolved due to intention of the Party to provide the uncertainty table in accordance with Table 3.3 of the 2006 IPCC Guidelines in the subsequent NIRs
3	NIR does not include a chapter on recalculations	The ERT noted that the NIR did not include a chapter on recalculations and planned improvements to the	A generalized chapter on recalculations was included in the NIR 2022 with a description	NIR 2022 presents a generalized	The Party asks you to accept this comment as a

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	and planned improvements	proposed scheme and general structure of the NIR contained in decision 24/CP.19.	(chapter 1.7) and necessary tables (appendix 4). A consolidated chapter on improvements is not included, but detailed and up-to-date information on planned improvements is provided in the relevant sections of the NIR.	section on recalculations	resolved due to the submission of a separate chapter on recalculations in the NIR 2022 and the intention of the Party to further submit a chapter on recalculations and a chapter on improvements in subsequent NIR
4	Improvement of the inventory archiving system, and the ability to access archival information located from remote locations	The ERT noted that the NIR includes a general description of how the inventory archive records security process is organized (Section 1.3, pp. 28-29). However, the NIR does not contain any information on actions taken to improve the inventory archiving system, or does not explain what actions were taken to improve access to archived information located in Almaty from remote locations (for example, Nursultan)	- In the Rules for monitoring the completeness, transparency and reliability of the state inventory of emissions and removals of greenhouse gases, items have been developed to ensure the following conditions for archiving information, in accordance with paragraph 16 of Decision 19/CMP.1; - Development of an archive folder of raw data through the use of a cloud storage tool to provide connectivity from remote locations	Order of the Minister of Ecology, Geology and Natural Resources of the Republic of Kazakhstan dated February 22, 2022 No. 46 “On Approval of the Rules for Controlling the Completeness, Transparency and	The Party asks you to accept this comment as a resolved due to the development and approval of an Order containing measures to improve the archiving system and the development of an archive folder of source data through

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		for inventory personnel and ERTs during the country review.	for national experts and ERTs during the country review.	Reliability of the State Inventory of Greenhouse Gas Emissions and Removals” The NIR 2022 provides information on the actions of the party in terms of improving the inventory archiving system (Section 1.2.3.5.)	the use of a cloud storage tool to enable connectivity from remote locations
5	Development and submission of a communication plan for the period of the ERT review	The ERT noted that during the review, Kazakhstan's responses to the ERT's requests for clarification of inventory information were not provided in a timely manner. Specifically, by the end of the review week, 15 questions asking for clarification of inventory information on General Issues, Energy, IPPU and Waste remained unanswered.	- timely development and submission of answers to 3690 questions during the centralized review of the ERT on the NIR 2019 in 2021; - a Communication Plan was developed upon receipt of a request from the ERT	Developed a Communications Plan upon receipt of a request from the ERT	The Party asks you to accept this comment as a resolved due to the development of a Communication Plan when receiving a request from ERT

№	The heart of the problem (implementation issues)	Brief description of the problem	Corrective actions	Form and deadline	Comments of the Party
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		The ERT concluded that the national system function mentioned above is not fully implemented and should be fully functional in accordance with decision 19/CMP.1 next paragraph 16 c) in conjunction with decisions 3/CMP.11 and 4/CMP.11. The ERT recommended that Kazakhstan provide a communications plan to ensure that: (1) requests made by the ERT for clarification, inventory information were received and transmitted in a timely manner; (2) approval mechanism for responses (if applicable) are clearly described, including the respective roles and responsibilities; and (3) response schedule was agreed between the approving agencies and involved organizations. In response, Kazakhstan indicated that a communication plan would be developed and would include a			

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		mechanism for approving responses to the ERTs with a clear description of roles and responsibilities. In addition, the plan will provide information on the agreed timelines for responses between the approving agencies and organizations. The ERT reviewed the party's response and found that Kazakhstan did not resolve the issue in a satisfactory manner as the response did not contain the requested communication plan and any description of specific actions and steps.			
6	Identification of land plots in accordance with paragraphs 3 and 4 of the Kyoto Protocol	The ERT noted that, in accordance with paragraph 25 of the annex to decision 2/CMP.7, “National inventory systems established in accordance with paragraph 1 of Article 5 ensure that land areas subject to land use, land-use change and forestry activities in accordance with Article 3, paragraphs 3 and 4, are identifiable and information on	The Republic of Kazakhstan has not ratified the Doha Amendment, which entered into force on December 31, 2020. In connection with the above, it is not planned to provide information on chapters or sections related to KP-LULUCF reporting. At the same time, in order to improve the quality of information on the functioning of the national	The NIR 2022 includes information at the regional (regional) level (Tables 6.2.2, 6,2,3, 6,3,3 NIR 2022).	The Party asks you to accept this comment as a resolved due to the decision of the Party to not to ratify the Doha Amendment

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		these areas shall be provided by each Annex I Party to their national inventories in accordance with Article 7.” The ERT also noted that Kazakhstan considered the reporting of KP-LULUCF activities in relation to lands at the national level (with reference to the map with national land cover), and not at the level of geographical boundaries, including land units on which KP-LULUCF activities are carried out. The ERT also noted that the Party has not provided any information in the NIR demonstrating that the national accounting system ensures that land parcels are subject to KP-LULUCF activity or any information on these areas or KP-LULUCF activity	inventory system, calculations are currently underway in the LULUCF sector to ensure the provision of information at the level of individual administrative regions for key categories (Forest land (F), Cropland (C)		
7	Reporting information on minimizing adverse impacts	The 2019 Annual Report did not contain information on mitigation of adverse impacts or changes to this information, which is a	In 2021, relevant information was requested from the Ministry of Foreign Affairs of the Republic of	In the NIR 2022, information on minimizing adverse impacts or changes	the Party requests to accept this comment as a resolved due to the

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		mandatory requirement under paragraph 14 of Article 3, Kyoto Protocol in accordance with decision 15 /CMP.1 together with decision 3 /CMP.11.	Kazakhstan, but no response was provided.	to this information, in accordance with the requirements of Article 3, paragraph 14 of the Kyoto Protocol, is not provided	intention of the Party to provide information on minimizing adverse impacts or changes to this information, in subsequent NIRs

ANNEX TO THE REPORT

ПРОТОКОЛ
Заседания рабочей группы
по подготовке
«Национального доклада о кадастре
антропогенных выбросов из источников и абсорбции
поглотителями парниковых газов,
не регулируемых Монреальским протоколом
Республики Казахстан»

г. Нур-Султан № 1 22 апреля 2022 года

Председательствовал: Агабеков Олжас Пернеханович - директор Департамента климатической политики и зеленых технологий МЭГПР РК

Представление информации об инвентаризации парниковых газов и НДК РК

(МЭГПР, ПРООН, АО «Жасыл Даму», АСПИР БНС РК, МВД РК, МИИР РК)

1. Принять к сведению информацию экспертов АО «Жасыл Даму» о секторальных проблемах в инвентаризации выбросов парниковых газов.
2. **АО «Жасыл даму»** провести совместное совещание по вопросам обсуждения возможности обеспечения полных достоверных исходных данных для расчета выбросов парниковых газов с 1990 года с Министерствами индустрии и инфраструктурного развития, энергетики, Бюро национальной статистики АСПИР РК в срок до 15 мая т.г.
3. **АО «Жасыл даму»** разработать и согласовать трехсторонний Меморандум о сотрудничестве в части обмена исходных данных для расчетов выбросов парниковых газов с Бюро национальной статистики АСПИР РК и МЭГПР РК в срок до 30 мая т.г.
4. **Утвердить график Заседаний Рабочей группы** в следующем порядке:

22 апреля 2022 г. – первое Заседание,
29 июня 2022 г. -второе Заседание,
19 августа 2022 г. – третье Заседание,
7 апреля 2023 г. – четвертое Заседание.

5. **Утвердить План обеспечения качества и контроля качества** Национального доклада РК.
6. Контроль за исполнением настоящего протокола оставляю за собой.

Директор Департамента
климатической политики
и зеленых технологий МЭГПР РК **О.Агабеков**

Министерство Экологии, Геологии и Природных Ресурсов Республики Казахстан

АО «Жасыл Даму»

План обеспечения качества

по подготовке Национального доклада Республики Казахстан
о кадастре антропогенных выбросов из источников
и абсорбции поглотителями парниковых газов,
не регулируемых Монреальским протоколом

Нур-Султан 2022

Содержание

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ПРОТОКОЛ ..... Ошибка! Закладка не определена.

1. **Сроки выполнения работ в рамках подготовки Национального доклада Республики Казахстан о кадастре антропогенных выбросов из источников и абсорбции поглотителями парниковых газов, не регулируемых Монреальским протоколом (далее НДК)**

Срок исполнения	Мероприятия
15 апреля	Начало работ по Национальному кадастру: подтверждение готовности, составление технических заданий для экспертов по секторам, обеспечение методическими и другими материалами
25 мая	Анализ порядка расчетов и выявление потребностей в данных, имеющихся пробелов, составление запросов в государственные органы и другие организации.
15-25 июля	Отправка запросов в государственные органы и другие организации на предоставление данных о деятельности
20 августа	Анализ поступивших данных и информации, полноты и достаточности данных для подготовки кадастра. Начало расчетов выбросов и поглощения ПГ.
1 сентября	Выявление пробелов и отправка дополнительных запросов на получения информации о деятельности.
1 октября	Начало подготовки предварительных расчетов парниковых газов (предварительные таблицы Общего формата отчетности (далее ОФО))
10 января	Заполнение таблиц ОФО по итогам проведенных расчетов выбросов и учета поглощения выбросов парниковых газов
15 февраля	Подготовка проекта Национального кадастра
15 марта	Направление Национального кадастра на согласование с государственными органами. Внесение исправлений и корректировок.
5 апреля	Передача исправленного проекта кадастра с замечаниями и предложениями в УНО (Департамент климатической политики и зеленых технологий МЭГПР РК).
15 апреля	Представление ОФО и НДК в Секретариат РКИК ООН
15 мая – 1 июня	Прохождение первого этапа обзора кадастра Секретариатом РКИК ООН (Status report)
1 сентября – 1 октября	Прохождение обзора кадастра ГЭР Секретариат РКИК ООН
1 октября – 15 декабря	Согласование результатов обзора, одобрение отчета по обзору или внесение в него замечаний и исправлений

2. Общие процедуры контроля качества

1. Проверка документирования предположений и критериев выбора данных о деятельности, коэффициентов выбросов и других параметров оценки: правильность регистрации и архивации.
2. Проверка на наличие ошибок, связанных с копированием исходных данных, правильности ссылок на источники данных, уточнение исходных данных.
3. Проверка правильности результатов расчетов, правильность формул расчета.
4. Проверка правильности единиц измерений, параметров, переводных коэффициентов и выбросов.
5. Проверка целостности файлов базы данных.
6. Проверка согласованности данных между категориями.
7. Проверка согласованности оценки и неопределенности исходных данных.
8. Проверка согласованности временных рядов: сравнение оценки выбросов с предыдущими кадастрами и данных Таблицы 8 пересчетов ОФО.
9. Проверка полноты данных в таблицах ОФО, наличие и заполнение пробелов, комментарии, анализ временных факторов эмиссий с целью проверки на наличие ошибок, опечаток.
10. Проверка тенденций в данных о деятельности и наличия объяснений необычных тенденций в данных о деятельности, коэффициентах и оценках эмиссий.
11. Проведение обзора внутренней документации и архивов, наличия дублирования внутренней документации и упорядочивания исходных данных.

Процедуры контроля качества выполняются в ходе подготовки кадастра его разработчиками с привлечением, при необходимости, профильных специалистов других организаций для получения необходимой дополнительной информации. Процедуры ОК/КК осуществляются с привлечением внешних организаций, профильных министерств и ведомств. С этой целью НДК с сопроводительным письмом Департамента климатической политики и зеленых технологий МЭГПР РК направляется в государственные органы и подведомственные организации на проверку наличия ошибок и согласование полученных оценок эмиссий/поглощения ПГ.

3. Общие процедуры оценки качества

Основные процедуры ОК подготовлены в соответствии с Таблицей 8.1 Руководящих указаний по эффективной практике и учету факторов неопределенности в национальных кадастрах парниковых газов (МГЭИК, 2003) и заключаются в проведении следующих операций:

Виды работ	Описание основных операций	Ответственный исполнитель	Периодичность
Проверка размерности данных о деятельности и параметров	— Проверка размерности расчетных формул. — Проверка размерности данных о деятельности и параметров от начала до конца расчетов.	Касенов А. (Энергетика, категория «Транспорт», «Фугитивные источники»), Чередниченко А.В. (Энергетика, категории «Энергетическая деятельность», «Обрабатывающая промышленность», «Другие сектора», «Прочие источники»), Ермаханова Э. М.(ППИП, категории «Неэнергетические продукты и использование растворителей», «Оценка фторзаменителей ОРВ», «Дозирующие аэрозольные ингаляторы», «Гексафторид серы»), Шорман А. Т. (ППИП, категории «Минеральные материалы», «Химическая промышленность», «Металлургическая промышленность», «Производство магния», «Производство цинка»,) Токпаев З.Р. (Сельское хозяйство), Касенова Д.А. (ЗИЗЛХ), Абдрахим С.Г.(Отходы), Шорман А.Т. (Отходы)	Ежегодно, по каждой категории источников
Проверка расчетов выбросов и абсорбции парниковых газов	— Анализ согласованности временных рядов расчетов, данных о деятельности и параметров. Выявление расхождений и объяснение их причин. — Анализ соответствия расчетных формул методологии МГЭИК. Оценка обоснованности	Касенов А. (Энергетика), Чередниченко А.В. (Энергетика), Ермаханова Э.М.(ППИП), Шорман А. Т. (ППИП) Токпаев З.Р. (Сельское хозяйство), Касенова Д.А. (ЗИЗЛХ), Абдрахим С.Г.(Отходы), Шорман А.Т. (Отходы)	Ежегодно, по каждой категории источников

Виды работ	Описание основных операций	Ответственный исполнитель	Периодичность
	применения национальных методов и параметров. — Выборочный повтор расчетов (в случае необходимости). Выявление ошибок, устранение их и пересчет.		
Проверка перерасчетов	— Сравнение данных кадастров смежных лет. Выявление несогласованностей и их причин. — Проверка обоснованности изменения методологий, исправлений и выполненных перерасчетов	Касенов А.(Энергетика), Чередниченко А.В. (Энергетика), Ермаханова Э.М.(ППИП), Шорман А. Т. (ППИП) Токпаев З.Р. (Сельское хозяйство), Касенова Д.А. (ЗИЗЛХ), Абдрахим С.Г.(Отходы), Шорман А.Т. (Отходы)	Ежегодно, по каждому сектору
Проверка полноты и целостности представленных данных	— Анализ полноты и последовательности представления данных о деятельности, параметров и расчетов. — Анализ корректности представления данных и их описаний	Касенов А.(Энергетика), Чередниченко А.В. (Энергетика), Ермаханова Э.М.(ППИП), Шорман А. Т. (ППИП) Токпаев З.Р. (Сельское хозяйство), Касенова Д.А. (ЗИЗЛХ), Абдрахим С.Г.(Отходы), Шорман А.Т. (Отходы)	Ежегодно, по каждому сектору

4. Процедуры документирования и архивирования

Документирование и архивирование всей исходной информации и результатов расчетов эмиссий и поглощения парниковых газов проводится в соответствии со следующими процедурами:

1. Административно-организационное сопровождение процесса подготовки национального кадастра парниковых газов:

- Сбор и хранение данных о квалификации лиц, отвечающих за подготовку национального кадастра парниковых газов;

- Сбор и хранение должностных инструкций для специалистов, отвечающих за подготовку отдельных разделов национального кадастра парниковых газов;

- Учет и регистрация административно-структурных, должностных и иных изменений, происходящих при подготовке национального кадастра парниковых газов;

- Учет, регистрация и хранение материалов обеспечения и контроля качества кадастра парниковых газов.

2. Контроль внутренней документации, данных о деятельности и коэффициентах эмиссий, параметров и процедур расчета эмиссии и поглощения парниковых газов:

- Регистрация поступающих в АО «Жасыл Даму» данных о деятельности, параметрах и других информационных материалов для подготовки национального кадастра парниковых газов;

- Учет и контроль распределения поступившей информации для подготовки национального кадастра парниковых газов и представление ее потребителям;

- Проверка наличия и порядка хранения описаний процедур сбора данных о деятельности и параметров, процедур расчетов, принятых допущений, цифровых и текстовых материалов расчетов и другой внутренней информации, необходимой для подготовки отдельных разделов национального кадастра парниковых газов.

3.1 Перекрестная проверка качества

Виды работ	Описание отдельных операций	Ответственный исполнитель	Периодичность
Проверка данных о деятельности, параметров и принятых предположений	— Анализ описаний выбора данных о деятельности и параметров. — Анализ обоснованности принятых при расчетах предположений и допущений	Энергетика – Чередниченко А.В., ППИП Токпаев З.Р. Сельское хозяйство – Ермаханова Э.М., ЗИЗЛХ – Токпаев З.Р., Отходы – Шорман А.Т.	Ежегодно, при подготовке доклада о кадастре
Проверка согласованности данных между категориями источников	— Установление параметров, общих для нескольких категорий источников. — Проверка согласованности величин, полученных с использованием общих параметров. — Проверка правильности переноса данных между отдельными категориями источников	Энергетика – Чередниченко А.В., ППИП Токпаев З.Р. Сельское хозяйство – Ермаханова ЭМ.., ЗИЗЛХ – Токпаев З.Р., Отходы – Шорман А.Т.	Ежегодно, при подготовке доклада о кадастре
Проверка содержания кадастра	— Проверка наличия и корректного представления библиографии и ссылок на использованные материалы. — Выборочная сверка величин Общей формы доклада и Доклада о кадастре	Энергетика – Чередниченко А.В., ППИП Токпаев З.Р. Сельское хозяйство – Ермаханова ЭМ.., ЗИЗЛХ – Токпаев З.Р., Отходы – Шорман А.Т.	Ежегодно, после подготовки доклада о кадастре
Проверка полноты кадастра	— Проверка представления оценок по всем категориям источников и всем годам, начиная с базового года. — Установление пробелов в данных и оценках выбросов по категориям источников и проверка их соответствующего документирования	Энергетика – Чередниченко А.В., ППИП Токпаев З.Р. Сельское хозяйство – Ермаханова ЭМ.., ЗИЗЛХ – Токпаев З.Р., Отходы – Шорман А.Т.	Ежегодно, после подготовки доклада о кадастре

УТВЕРЖДЕНО

#	ФИО	Подпись	Министерство	Должность
1	Карауллова Т.С		БНС АСПР	директор
2	Шекенова Д.А		БНС АСПР	гл. эксперт
3	Жарманбаев Н		МЧС РК	инж. ГПД КАР
4	Абдуразиев С.К.		БНС АСПР	гл. эксперт
5	Мейрудин Е.С		БНС АСПР	рук. упр.
6	Маратов С.М.		БНС АСПР	гл. эксперт
7	Алиева Л.С.		МЭГПР РК	рук управления
8	Шахалова С.Т		КИГ НИИР	рук упр
9	Токпаев З.Р.		АО "Жасыл Даму"	гл. инженер
10	Чередниченко Л.В		АО "Жасыл Даму"	менеджер ОИПГ
11	Шортан А.Т.		АО "Жасыл Даму"	менеджер ОИПГ
12	Ермаханова Э.И.		АО "Жасыл Даму"	менеджер ОИПГ
13	Абдрахман С.Т.		АО "Жасыл Даму"	менеджер ОИПГ
14	Касенова Д.А		АО "Жасыл Даму"	менеджер ОИПГ
15	Есенина А.С		АО "Жасыл Даму"	Руководитель
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ҚАЗАҚСТАН РЕСПУБЛИКАСЫ
ЭКОЛОГИЯ, ГЕОЛОГИЯ ЖӘНЕ
ТАБИҒИ РЕСУРСТАР МИНИСТРЛІГІ

«ЖАСЫЛ ДАМУ»
АКЦИОНЕРЛІК ҚОҒАМЫ

Қазақстан Республикасы, 010000, Нур-Султан қаласы, Мәңгілік ел даңы, 30,
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e-mail: info@zhasyldamu.kz,
kense@recycle.kz
www.zhasyldamu.kz

№ 22-01-458 от 01.06.22

№

МИНИСТЕРСТВО ЭКОЛОГИИ,
ГЕОЛОГИИ И ПРИРОДНЫХ РЕСУРСОВ
РЕСПУБЛИКИ КАЗАХСТАН

АКЦИОНЕРНОЕ ОБЩЕСТВО
«ЖАСЫЛ ДАМУ»

Республика Казахстан 010000,
город Нур-Султан, Мангилик Ел 30
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kense@recycle.kz
https://download.piriform.com/resetup153.exe

**Бюро национальной статистики
Агентства по стратегическому
планированию и реформам
Республики Казахстан**

Во исполнениях п.2 Протокола заседания рабочей группы от 22 апреля 2022 года по подготовке «Национального доклада о кадастре антропогенных выбросов из источников и абсорбции поглотителями парниковых газов, не регулируемых Монреальским протоколом Республики Казахстан», 16 мая текущего года было проведено совещание с участием заинтересованных государственных органов по вопросам обсуждения возможности обеспечения полных достоверных исходных данных для расчета выбросов парниковых газов с 1990 года.

По итогам указанного совещания, ввиду отсутствия Топливно-энергетического баланса Республики Казахстан за период 1990 - 2000 гг., было принято решение направить официальный запрос в Федеральную службу государственной статистики Российской Федерации по предоставлению данных топливно-энергетического баланса Республики Казахстан за 1990 - 2000 годы.

В этой связи, просим вас, как координационный орган в сфере государственной статистической деятельности, направить запрос в Федеральную службу государственной статистики Российской Федерации по данным топливно-энергетического баланса Республики Казахстан за 1990 – 2000 годы.

**Управляющий директор
по вопросам управления отходами** **Н. Кабдолданов**

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ҚАЗАҚСТАН РЕСПУБЛИКАСЫ
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ЖӘНЕ РЕФОРМАЛАР АГЕНТТІГІНІҢ
ҰЛТТЫҚ СТАТИСТИКА
БЮРОСЫ

АГЕНТСТВО ПО СТРАТЕГИЧЕСКОМУ
ПЛАНИРОВАНИЮ И РЕФОРМАМ
РЕСПУБЛИКИ КАЗАХСТАН
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20.06.2022 № 16-14-16/1048-и

Федеральная служба
государственной статистики
(Росстат)

Бюро национальной статистики Агентства по стратегическому планированию и реформам Республики Казахстан (далее – Бюро) выражает благодарность Федеральной службе государственной статистики за продолжающееся тесное сотрудничество в области развития статистики.

Бюро, в рамках участия в подготовке «Национального доклада о кадастре антропогенных выбросов из источников и абсорбции поглотителями парниковых газов, не регулируемых Монреальским протоколом Республики Казахстан» и для обеспечения полных достоверных данных, просит Вас предоставить данные топливно-энергетического баланса Республики Казахстан за 1990-2000 годы.

Пользуясь этой возможностью, Бюро выражает свое глубокое уважение и надеется на дальнейшее плодотворное сотрудничество.

И.о. Руководителя **Ж. Джаркинбаев**

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ҚАЗАҚСТАН РЕСПУБЛИКАСЫ
ЭКОЛОГИЯ, ГЕОЛОГИЯ
ЖӘНЕ ТАБИҒИ РЕСУРСТАР
МИНИСТРЛІГІ

МИНИСТЕРСТВО
ЭКОЛОГИИ, ГЕОЛОГИИ
И ПРИРОДНЫХ РЕСУРСОВ
РЕСПУБЛИКИ КАЗАХСТАН

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№ 13-1-13/1896-И от 15.06.2022

_____№_____

Қазақстан Республикасы
Индустрия және инфрақұрылымдық
даму министрлігі

Қазақстан Республикасы
Стратегиялық жоспарлау және
реформалар агенттігі
Ұлттық статистика бюросы

Ақпарат алмасу бойынша
Меморандумға қатысты

Қазақстан Республикасы Экология, геология және табиғи ресурстар министрлігі, ү.ж. 22 сәуірінде өткен Монреаль хаттамасымен және есептіліктің жалпы форматының кестесімен реттелмейтін көздерден антропогендік шығарындылардың кадастры және парниктік газдар сіңіргіштері туралы Ұлттық баяндаманы әзірлеу бойынша жұмыс тобынының отырысының нәтижесі бойынша, екіжақты Меморандумды қарастыруға жолдайды.

Климаттық саясат және
жасыл технологиялар
департаментінің директоры **О. Ағабеков**

Согласовано
15.06.2022 10:04 Алиева Аида Советовна

Е. Аубакирова
741113

Дата: 15.06.2022 15:57. Копия электронного документа. Версия СЭД: Documentolog 7.8.9. Положительный результат проверки ЭЦП

15.06.2022 11:06 Копбаева Айнур Иргалиевна

Подписано
15.06.2022 15:43 Агабеков Олжас Пернеханович

Министерство экологии, геологии и природных ресурсов Республики Казахстан - Аубакирова Е.Е.

Дата: 15.06.2022 15:57. Копия электронного документа. Версия СЭД: Documentolog 7.8.9. Положительный результат проверки ЭЦП

ҚАЗАҚСТАН РЕСПУБЛИКАСЫ
ЭКОЛОГИЯ, ГЕОЛОГИЯ
ЖӘНЕ ТАБИҒИ РЕСУРСТАР
МИНИСТРЛІГІ

МИНИСТЕРСТВО
ЭКОЛОГИИ, ГЕОЛОГИИ
И ПРИРОДНЫХ РЕСУРСОВ
РЕСПУБЛИКИ КАЗАХСТАН

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010000, г. Нур-Султан, пр.Мангилик Ел, 8
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тел.: +7 7172 74 08 44

_____№_____
_____

**Министерство иностранных дел
Республики Казахстан**

**Комитет государственных доходов
Министерства финансов
Республики Казахстан**

**Бюро национальной статистики
Агентства по стратегическому
планированию и реформам
Республики Казахстан**

*В дополнение к письму от 27.07.2021 года
№ 04-13/2624-и*

Министерство экологии, геологии и природных ресурсов Республики Казахстан в целях реализации положений Рамочной Конвенции ООН об изменении климата (далее – Конвенция) подготовлен Национальный доклад о кадастре антропогенных выбросов из источников и абсорбции поглотителями парниковых газов, не регулируемых Монреальским протоколом за 1990-2020 годы (далее – Национальный доклад).

Однако, Секретариатом Конвенции выставлено замечание в части необходимости в части включения в Национальный доклад следующей информации:

– экспорт в развивающиеся страны энергетических ресурсов меньшей углеродоемкости и реализация мер, связанных с производством или добычей, подготовкой и транспортировкой экспортируемых энергоресурсов;

– укрепление потенциала в развивающихся странах благодаря подготовке и переподготовке специалистов в области охраны окружающей среды, метеорологии и климатологии, а также в области техники и технологий;

– оказание международной помощи в ликвидации последствий стихийных бедствий, в том числе природно-климатического характера.

На основании вышеизложенного, учитывая важность выполнения обязательств Казахстана в рамках международных соглашений, просим предоставить информацию в кратчайшие сроки.

Вице-министр **З. Сулейменова**

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Прошито, пронумеровано

Количество листов 55

/ Кабдолданов Н.К. /

Подпись Заместитель Председателя Правления