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	ghout the reporting period, there were no significant changes to the scope and boundaries of aspects compared vious reporting periods	
The re	porting period is calendar year 2019	
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GRI 303-1 Interactions with water as a shared resource

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Lake Kitchepakhk

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Rybinsk Reservoir

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Discharge 8. Mining waters of the Koashva and Nyorkpakh underground mines

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Effluents from the nitrogen facility

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discharge. 2% of effluents are discharged without any treatment, but their quality discharge and temporarily permitted discharge rates. There has been no unplanne 2. Waste water discharge at Apatit	ed water discharge.	e
Waste water discharge	Receiving water body	
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Discharge 1. Industrial waters at ANBP-3	Zhemchuzhnaya River	
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GRI 403-4 Worker participation, consultation, and communication on occupational health and safety

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New hires in 2019							
Region	Gender	<25 years	25–34 years	35–44 years	45–55 years	over 55	Total
Vologda region	F	57	120	96	40	23	336
Vologda region	М	80	143	86	36	10	355
Vologda region Total		137	263	182	76	33	691
Saratov region	F	5	15	17	5	9	51
Saratov region	М	8	36	16	6	15	81
Saratov region Total		13	51	33	11	24	132
Leningrad region	F	10	28	27	8	22	95
Leningrad region	М	8	19	19	13	8	67
Leningrad region Total		18	47	46	21	30	162
Moscow region	F	1	2	8	2	2	15
Moscow region	М	1	3	6	3		13
Moscow region Total		2	5	14	5	2	28
Murmansk region	F	21	63	64	42	21	211
Murmansk region	М	101	394	387	145	23	1,050
Murmansk region Total		122	457	451	187	44	1,261
Total		292	823	726	300	133	2,274

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Leavers in 2019

Leavers in 2019							
Region	Gender	<25 years	25–34 years	35–44 years	45–55 years	over 55	Total
Vologda region	F	24	76	57	43	36	236
Vologda region	М	43	83	69	40	26	261
Vologda region Total		67	159	126	83	62	497
Saratov region	F		11	15	3	11	40
Saratov region	М	3	16	11	14	27	71
Saratov region Total		3	27	26	17	38	111
Leningrad region	F	4	18	18	14	34	88
Leningrad region	М	4	20	23	17	13	77
Leningrad region Total		8	38	41	31	47	165
Moscow region	F	14	37	34	36	15	136
Moscow region	М	31	242	259	121	28	681
Moscow region Total		45	279	293	157	43	817
Murmansk region	F		2	3		3	8
Murmansk region	М	1	7	2	1	1	12
Murmansk region Total		1	9	5	1	4	20
Total		124	512	491	289	194	1,610

Benefits established by collective bargaining agreements apply to all employees of the Company's main production sites and do not depend on the status or conditions of employment

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	GRI 403–5 Worker training on occupational health and safety
_	GRI 403–6 Promotion of worker health
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GRI 413–1 Percentage of operations with implemented local community engagement, impact assessments, and development programmes

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Data on the assessment of engagement of, dialogue with, and development of local communities, formal grievance mechanisms and other aspects in compliance with the GRI 413-1 disclosure requirements will be fully disclosed in the 2020 report.	136–141

INDEPENDENT ASSURANCE REPORT

Independent practitioner's limited assurance report by AO Deloitte & Touche CIS ('Deloitte') to PJSC Phosagro Board of Directors on the 2019 Sustainability Report for the year ended 31 December 2019.

SCOPE OF ASSURANCE

We have been engaged by PJSC Phosagro to perform an assurance engagement in accordance with International Standard on Assurance Engagements (ISAE) 3000 (Revised) ('the Standard') to provide public limited assurance on accuracy of Selected Data presented in PJSC Phosagro Sustainability Report prepared in accordance with GRI Standards ('the Report') for the year ended 31 December 2019.

ASSURANCE PROCEDURES AND ROLES

We carried out limited assurance on accuracy of the following data related to 2019 year and included into the Report:

(1) Selected key performance indicators specified below in the section "*Selected non-financial performance data for public limited assurance*", and (2) PJSC Phosagro's self-declaration in preparing its Report 2019 in accordance with the requirements of Global Reporting Initiative (GRI) Sustainability Reporting Standards as stated on page 193 of the Report.

OUR KEY ASSURANCE PROCEDURES

To achieve limited assurance, the ISAE 3000 (Revised) requires that we review the processes, systems and competencies used to compile the areas on which we provide our assurance. Considering the risk of material error, we planned and performed our work to obtain all of the information and explanations we considered necessary to provide sufficient evidence to support our assurance conclusion. To form our conclusions, we undertook the following procedures:

- Conducted site visit to one business unit AO "Apatit" (Vologda region);
- Analysed on a sample basis the key systems, processes, policies and controls relating to the collation, aggregation, validation and reporting processes of the selected sustainability performance indicators;
- Conducted interviews with employees of PJSC Phosagro responsible for sustainability performance, policies and corresponding reporting;
- Conducted selective substantive testing to confirm accuracy of received data to the selected key performance indicators;
- Made enquiries of management and senior executives to obtain an understanding of the overall governance and internal control environment, risk management, materiality assessment and stakeholder engagement processes relevant to the identification, management and reporting of sustainability issues;
- Performed selective review of disclosures in the Report on compliance with GRI Standards;

We believe that our evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusion.

INHERENT LIMITATIONS

Inherent limitations exist in all assurance engagements due to the selective testing of the information being examined. Therefore fraud, error or non-compliance may occur and not be detected. Additionally non-financial information, such as that included in reporting documents is subject to more inherent limitations than financial information, given the nature and methods used for determining, calculating and sampling or estimating such information.

Our work has been undertaken so that we might state to the Company those matters we are required to state to them in this Report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than PJSC Phosagro for our work, for this Report, or for the conclusions we have formed.

Our engagement provides limited assurance as defined in ISAE 3000 (Revised). The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement and consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

ROLES AND RESPONSIBILITIES

- The Directors are responsible for the preparation, accuracy and completeness of the sustainability information and statements contained within the Report. They are responsible for determining PJSC Phosagro sustainability objectives and for establishing and maintaining appropriate performance management and internal control systems from which the reported information is derived.
- Our responsibility is to express a conclusion on the selected Subject Matter based on our procedures. We conducted our engagement in accordance with the ISAE 3000 (Revised) Assurance Engagements other than Audits or Reviews of Historical Financial Information issued by the International Auditing and Assurance Standards Board.

INDEPENDENCE AND QUALITY CONTROL

- We have complied with the independence and other ethical requirements established by the Rules on Independence of Auditors and Audit Firms and the Code of Professional Ethics for Auditors approved by the Audit Council of the Ministry of Finance of the Russian Federation and by the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which are based on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.
- The firm applies the International Standard on Quality Control 1 and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

SELECTED NON-FINANCIAL PERFORMANCE DATA FOR PUBLIC LIMITED ASSURANCE

We have been engaged by the Board of Directors of PJSC Phosagro to perform limited assurance procedures on accuracy of the following key performance data of the 2019 reporting year included into the Report:

Employees	Average headcount (Total number of emploees in PhosAgro Group, including all branches and subsidiaries). Proportion of senior management hired from the local community in total headcount. Percentage of employees receiving regular performance and career development reviews Average hours of training per year per employee
Health and safety	Total number of workplace accidents. Total number of fatal accidents. Lost Time Injury Frequency Rate (LTIFR) per 1 million hours
Emissions into the atmosphere	Gross sulphur dioxide emissions, tones. Gross nitrogen oxides emissions calc. in NO ₂ , tones. Gross carbon monoxide emissions, tones. Gross solid emissions, tones.
Greenhouse gas	Gross GHG emissions (Scope1), tones.
Hazardous waste	Total weight of generated waste, tones. Waste with a breakdown by the disposal methods, tones
Water consumption	Total water withdrawal by source by branches, mln m ³ . Waste-water discharge by branches, mln m ³ .
Energy	Total non-renewable fuel consumption by fuel type. Electricity consumption. Heating consumption.
Stakeholder engagement	The total amount of funds allocated for the needs of society, charity, in million rubles.
Anticorruption	Confirmed amount of incidents of corruption

LIMITED ASSURANCE CONCLUSION

Based on the scope of our work and the assurance procedures performed nothing has come to our attention that causes us to believe that the aforementioned Selected Data, which we were engaged to provide limited assurance on, as specified in the 'Roles and responsibilities' section above are materially misstated.

> Natalya Kaprizina Engagement partner ECTB 28 April 2020 для аудиторских лючений и отчето

Audit Firm: AO "Deloitte & Touche CIS"

The Entity: Public Joint Stock Company Phosagro Primary State Registration Number: 1027700190572 State registration number: P-18009.16 dated 10.10.2001 issued by the State Registration Chamber under the Ministry of Justice of the Russian Federation

Address: 119333, Russian Federation, Moscow, Leninsky prospekt., 55/1

Certificate of state registration Nº 018.482, issued by the Moscow Registration Chamber on 30.10.1992. Primary State Registration Number: 1027700425444

ATTO & DECEMPTION

Certificate of registration in the Unified State Register № 77 004840299 of 13.11.2002, issued by Moscow Interdistrict Inspectorate of the Russian Ministry of Taxation N^o 39.

Member of Self-regulatory organization of auditors Association "Sodruzhestvo", ORNZ 12006020384

GLOSSARY

AN – ammonium nitrate

ANBP – apatite-nepheline beneficiation plant

ANSES – French Agency for Food, Environmental and Occupational Health & Safety

ASF – African swine fever

ATG - atmosphere gauge (unit of pressure)

BAT – best available technique

bln – billion

Capex - capital expenditure

CCI 4 - carbon tetrachloride

Cd – cadmium

CDA 2 – nationwide programme to modernise the electricity industry

CDP – Carbon Disclosure Project

CIS – Commonwealth of Independent States

CJSC – closed joint-stock company

CO, - carbon dioxide

COVID-19 – coronavirus disease 2019, the pandemic caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

DAP – diammonium phosphate

DCDA – Double Contact Double Absorption

DROZD – Educated and Healthy Children of Russia programme

EBITDA – earnings before interest, taxes, depreciation and amortisation

EMERCOM – Ministry for Civil Defence, Emergencies and Elimination of Consequences of Natural Disasters **ESG** – environmental, social, and governance

ESPP – European Sustainable Phosphorus Platform

EU – European Union

FAO – Food and Agriculture Organisation

GDP – gross domestic product

GDR – global depositary receipt

GLONASS – Global Navigation Satellite System

GLOSOLAN – Global Soil Laboratories Networks; supporting the GLOSOLAN by developing research capacities and strengthening the Regional Soil Laboratories Networks (RESOLAN).

GRI – Global Reporting Initiative

GSP – Global Soil Partnership

H₂SO₄ – sulphuric acid

HR – human resources

HSE - health, safety and environment

IFA – International Fertilizer Association

IFRS – International Financial Reporting Standards

IMF - International Monetary Fund

IPCC – in-pit crushing and conveying at the Vostochny mine

IRR – internal rate of return

IT − information technology

IUPAC – International Union of Pure and Applied Chemistry

IYPT 2019 – International Year of the Periodic Table

JSC – joint-stock company

JSCB – joint-stock commercial bank

kg – kilogram

KPI – key performance indicator

kWh – kilowatt-hour

LSE – London Stock Exchange

LTIFR - lost time injury frequency rate

MAP – monoammonium phosphate

MCP – feed monocalcium phosphate

mg – milligram

mln – million

MOP - muriate of potash

MS – management system

MW – megawatt

NH, – ammonia

NIUIF – Samoilov Scientific Research Institute for Fertilizers and Insectofungicides

NO, – nitrogen dioxide

NPK – nitrogen-phosphorus-potassium fertilizer

OHS - occupational health and safety

OJSC – open joint-stock company

OPEC – Organisation of the Petroleum Exporting Countries

P2O5 – phosphoric pentoxide

PhosAgro Group – PJSC PhosAgro and its subsidiaries and affiliates

PJSC – public joint-stock company

PwC – PricewaterhouseCoopers

R&D - research and development

RAFP – Russian Association of Fertilizer Producers

RAS – Russian Accounting Standards

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REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

Rospotrebnadzor – Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

Rosstandart – Federal Agency on Technical Regulating and Metrology

Rostekhnadzor – Federal Service for the Supervision of Environment, Technology and Nuclear Management

RSPP – Russian Union of Industrialists and Entrepreneurs

RUB – Russian rouble

SDG – UN Sustainable Development Goal

SMEs – small and medium-sized enterprises

SO₂ – sulphur dioxide

STPP – sodium tripolyphosphate

Strategy to 2025 – PhosAgro's Development Strategy to 2025

t – metric tonne

ths – thousand

TTF – Title Transfer Facility

UDT – thermal treatment facility

UN – United Nations

UNESCO – United Nations Educational, Scientific and Cultural Organisation

USA – United States of America

USD – United States dollar

VAT – value-added tax

VOC – volatile organic compound

WHO – World Health Organisation

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