



PERFORMANCE OF THE MINING DIVISION



PERFORMANCE OF THE MINING DIVISION











700

O

the Division	4
in the Reporting Year	8
1	10
	14
oment of Science	23
hnological Sovereignty. New Products and Businesses	28
	32
	46
Capital	47
s of Operation	56
agement Approaches	60
	63

MESSAGE FROM THE HEAD OF THE DIVISION

Dear colleagues and partners,

This document presents the performance results of ROSATOM's Mining Division (JSC Atomredmetzoloto) for the past year.

In 2022, the Mining Division made a significant contribution to strengthening the Russian nuclear sector market position and ensuring the raw material sovereignty of the Russian Federation.

The development of uranium assets was accompanied by further development of new uranium deposits. Khiagda JSC started mining at the Kolichkanskoye deposit and began to develop the Dybrynskoye deposit. Dalur JSC completed the construction of key pilot site facilities at the Dobrovolnoye deposit. PJSC PIMCU successfully continued the construction of Mine No. 6 for the development of the Argunskoye and Zherlovoye uranium deposits and began mining the deep horizons of the Yubileynoye deposit.

The digital mining life cycle platform developed by our specialists will enable JSC Atomredmetzoloto to maintain technological leadership and high competitiveness. In 2022, we replicated Smart ISL Site, the intelligent production control system, to the in-situ leaching deposits in the Kurgan Region and the Republic of Buryatia.

In the reporting year, the Division achieved impressive results in developing new businesses. As part of the roadmap for the development of the high-tech field 'Technologies for New Materials and Substances' approved by the Government of the Russian Federation, in 2022 the Tugansk Mining and Processing Plant, the first Russian enterprise for the production of titanium-zirconium concentrates, was put into operation. In 2022, Dalur JSC continued to ramp up the extraction of scandium as a by-product: over 600 kilograms of scandium products (in terms of scandium oxide contained) were produced. As part of the gold mining business development, geological exploration and pilot works were successfully completed at the Severnoye deposit and 500 kilograms of gold were mined in the reporting year.

2022 was a year of anniversaries for us: the Mining Division celebrated 15 years since its inception. Many hallmark events were dedicated to this date, such as the release of a book about the history of JSC Atomredmetzoloto, a sports competition, professional skills competitions, and corporate volunteer programmes.

The Mining Division pays significant attention to social investment. Its enterprises positively impact the social and economic development of the regions of operation by developing the mineral resource base, expanding production capacities, commissioning new production facilities. The quality of life of people in these regions is being constantly improved through tax payments and additional funds provided under charity programmes.

THE MINING DIVISION PAYS SIGNIFICANT ATTENTION TO SOCIAL INVESTMENT. ITS ENTERPRISES POSITIVELY IMPACT THE SOCIAL AND ECONOMIC DEVELOPMENT OF THE REGIONS OF OPERATION BY DEVELOPING THE MINERAL RESOURCE BASE, EXPANDING PRODUCTION CAPACITIES, COMMISSIONING NEW PRODUCTION FACILITIES.



Uninterrupted uranium supplies, new competencies and products, our own innovative technologies along with digital transformation are the cornerstones of sustainable development of ROSATOM's Mining Division in the long term.

General Director of JSC Atomredmetzoloto

Vladimir Verkhovtsev

KEY RESULTS AND EVENTS IN THE REPORTING YEAR

OVERVIEW OF THE DIVISION

2,508 TONNES OF URANIUM **PRODUCED BY THE DIVISION**



Key results in 2022

	Key performance indicators of the Division	2020	2021	2022	Comments
	Uranium production, '000 tonnes	2.846	2.635	2.508	The decrease in output was caused by a high level of depletion of existing mines and deposits
	Uranium resources (Russian assets), '000 tonnes	509.4	506.4	503.7	The decrease of the Division's mineral resource base was due to the annual depletion of economic uranium reserves during mining
	Average headcount, persons	7,246	7,325	7,689	The growth was driven by the expansion of mining, processing and auxiliary infrastructure of uranium mining enterprises, expansion of the scope of external projects of Elkon MMP JSC, as well as drilling, construction and installation operations at JSC RUSBURMASH
	Lost Time Injury Frequency Rate (LTIFR)	0	0.22	0.21	-
	Revenue, RUB billion	20.4	23.2	24.7	The revenue growth was due to a rise in uranium market prices.
GRI 207-4	Taxes paid, RUB billion	7.6	6.4 ¹	7.2	The growth of tax payments was due to an increase in the Division's revenue and the payroll fund across core production assets.

1. The amount of taxes for 2021 was adjusted due to the revision of the calculation methodology

Key events in 2022

January

District's Land Use and Development Rules.

March

- mode at the construction site of Mine No. 6.

April

May

the Khokhlovskoye uranium deposit.

June

to develop the Dybrynskoye deposit.

October/

November

- lead and zinc deposit.

December

of Buryatia.

By the Decree of the Government of the Russian Federation, the sites needed for Dalur JSC to carry out uranium mining were transferred to the category of 'industrial land'. During public hearings held in the town of Shumikha, Kurgan Region, local residents approved amendments to the Municipal

PJSC PIMCU started testing the mine water treatment technology in the commercial operation

Khiagda JSC began the development of the Kolichkanskoye deposit in Buryatia ahead of schedule.

– /JSC VNIPIPT obtained a patent for the invention 'Method for Managing Groundwater Resources during Uranium Mining by In-Situ Leaching in Slightly Water-Flooded Ore Deposits'.

Dalur JSC obtained a positive opinion from FAI Glavgosexpertiza of Russia for the project to develop

Khiagda JSC obtained a positive opinion from FAI Glavgosexpertiza of Russia for the project

PJSC PIMCU mined the first ore from deep areas of the Yubileynoye deposit.

- First Ore Mining Company JSC obtained a positive opinion from FAI Glavgosexpertiza of Russia /for the construction of a mining and processing complex and a port complex at the Pavlovskoye

The first stage of the Tugansk Ore Mining and Processing Enterprise specialising in the processing of ilmenite-zircon sands in the Tomsk Region was put into operation.

- Khiaqda JSC was included in the list of economically and socially significant entities of the Republic



GRI 2-1 The Mining Division of ROSATOM (hereinafter referred to as the Division; its holding company is JSC GRI 2-6 Atomredmetzoloto) ranks among the largest natural uranium producers in the world¹.

The Division manages Russian uranium mining assets in the Zabaykalsky Territory (PJSC PIMCU), the Republic of Buryatia (JSC Khiagda) and the Kurgan Region (JSC Dalur).

In addition to uranium mining, the Division is actively developing non-uranium businesses, including scandium mining as a by-product (Dalur JSC), brown coal mining (PJSC PIMCU), gold mining (JSC Elkon MMP), the mining and processing of ilmenite-zircon sands (JSC Tugansk Ore Mining and Processing Enterprise), the development of lithium production at the Kolmozerskoye lithium deposit (LLC Polar Lithium), the design of an integrated production facility at the Pavlovskoye lead and zinc deposit (First Ore Mining Company JSC), and other businesses.

The Division has unique uranium mining capabilities; its enterprises perform a full range of operations, from geological exploration, design and pilot operation to the decommissioning of production facilities and land rehabilitation.

In 2022, exploration works (EW) were carried out at the Dobrovolnoye uranium deposit (Dalur JSC, Kurgan Region), at the Severnoye gold and uranium deposit (Elkon MMP JSC, Sakha Republic (Yakutia)) and at the Sovinoye gold deposit and the Dor and the Ryveem ore fields (Elkon MMP JSC, Chukotka Autonomous Region).

The total investments in exploration works amounted to RUB 1,081.22 million.

Plans for 2023

- Continue exploration works at the Dobrovolnoye deposit (in-office and laboratory work, analytical studies).
- Continue exploration works at the Severnoye deposit.
- Complete appraisal stage exploration works at the Sovinove deposit.
- Continue prospecting at the Dor and the Ryveem ore fields.



Service companies (located in Moscow):

JSC VNIPIPT Design services

JSC RUSBURMASH Drilling and exploration services



Current and planned projects:







GRI 102-3 1. JSC Atomredmetzoloto, registered office: 22 Bolshoy Drovyanoy Lane, Moscow, Russia, 109004

GOVERNANCE SYSTEM



INNOVATION AND DEVELOPMENT OF SCIENCE

RUB 203 BILLON AMOUNT OF PRODUCED AND SOLD INNOVATIVE PRODUCTS

3 **GOVERNANCE SYSTEM**

3.1. CORPORATE GOVERNANCE SYSTEM GRI 2-1 GRI 2-9

GRI 2-10 JSC Atomredmetzoloto applies certain provisions of the Corporate Governance Code, as recommended GRI 2-1 in Letter No. 06-52/2463 of the Bank of Russia dated 10 April 2014, with due regard for the nature of GRI 2-12 ROSATOM's legal status stipulated in laws and regulations of the Russian Federation ensuring the unity of GRI 2-13 management of nuclear organisations. These provisions are incorporated in a number of local regulations. GRI 2-1-

AND PERSONALISE

GRI 2–15 The corporate governance system, being a cornerstone on which JSC Atomredmetzoloto activities are GRI 2–16 based, is formed on several levels.

GRI 2-17 The governing bodies include: GRI 2–18

GRI 2–19 1. The General Meeting of Shareholders

GRI 2-20 2. The Board of Directors GRI 2-21

GRI 2–28 3. The General Director (sole executive body). GRI 2-26

The General Meeting of Shareholders is the supreme governing body of JSC Atomredmetzoloto. The competence and the procedure for convening and holding the General Meeting of Shareholders are determined by the provisions of the Company's Articles of Association, as well as laws and regulations of the Russian Federation.

JSC Atomredmetzoloto informs its shareholders in a timely manner of both the General Meeting of Shareholders date and the voting results at the meetings. The relevant messages are posted on the Company's official website.

Shareholders of JSC Atomredmetzoloto as at 31 December 2022

Shareholders	Number of shares	Interest in the share capital
JSC Atomenergoprom	23,910,627,871	84.5189%
TVEL JSC	4,055,695,153	14.336%
ROSATOM	323,954,167	1.1451%
Total	28,290,277,191	100%

The Board of Directors carries out general management of activities and plays a key role in strategic management. In accordance with the Articles of Association, the number of members of the Board of Directors is determined by the General Meeting of Shareholders, but the number of Directors shall be no less than five. The competence of the Board of Directors is determined by the provisions of the Company's Articles of Association, as well as laws and regulations of the Russian Federation.

Board of Directors tenure



Members of the Board of Directors do not own shares of JSC Atomredmetzoloto. In the reporting period, members of the Board of Directors did not acquire or sell any shares. The candidates to the Board of Directors are nominated in accordance with the requirements of Article 53 of the Federal Law on Joint-Stock Companies.

an auditor.

In 2022, 25 meetings of the Board of Directors were held. The Board adopted resolutions on the most important issues related to the management of the Company's business.

The Board of Directors has not established any board committees. No internal documents on the competence. proceedings or composition of such committees have been approved by the Board of Directors.

The General Director is the sole executive body of JSC Atomredmetzoloto managing its day-to-day business.

In accordance with the requirements of Article 69 of the Federal Law on Joint Stock Companies and Article 15 of the Company's Articles of Association, the General Director organises the implementation of decisions of the General Meeting of Shareholders and the Board of Directors.

General Director of JSC Atomredmetzoloto Vladimir Verkhovtsev was first elected to the position by the decision of the extraordinary General Meeting of Shareholders (Minutes No. 15 dated 27 May 2013). He was re-elected as General Director for a period of three years by the decision of the extraordinary General Meeting of Shareholders of JSC Atomredmetzoloto (Minutes No. 38 dated 27 May 2021).

Vladimir Verkhovtsev does not own shares of JSC Atomredmetzoloto.

In the reporting period, the General Director did not acquire or sell any shares.

The Board of Directors of JSC Atomredmetzoloto is convened as necessary by the Chairman of the Board of Directors on his own initiative, at the request of a member of the Board of Directors, the General Director, or Maintaining a high standard of corporate governance and business transparency is one of the key focus areas of the Division's strategy, the overall goal of which is to maximise the value of the mining business for shareholders.

The priority tasks in this area are to:

- Ensure compliance with international and Russian corporate governance standards;
- Protect shareholder rights and interests;
- Improve the performance of governing bodies;
- Improve transparency for investment and industry communities, business partners, employees and other stakeholders.

In the course of its operations, JSC Atomredmetzoloto complies with Russian legislation. Measures to improve the corporate governance system are aligned with the best Russian and international practices.

The Articles of Association of JSC Atomredmetzoloto are posted, and material information and events related to the Company's activities are regularly disclosed, on its website (http://www.armz.ru).

JSC Atomredmetzoloto is a member of:

- the Rare and Rare Earth Metals Producers and Consumers Association;
- the Association of Corporate Lawyers, Non-Profit Partnership;
- the Miners of Russia, Non-Profit Partnership.

GRI 2-22 3.2. COMMITMENT TO SUSTAINABLE GRI 2-23 GRI 2-29 DEVELOPMENT PRINCIPLES

JSC Atomredmetzoloto shares ROSATOM's commitment to the sustainable development agenda and its focus on environmental, social and governance aspects of its operations.

The Division supports all the Sustainable Development Goals (SDGs) adopted by the UN General Assembly in 2015. Given the specifics of JSC Atomredmetzoloto operations, the Company contributes most significantly to the achievement of the following goals:

No. 8 (Decent Work and Economic Growth);

- No. 9 (Industry, Innovation and Infrastructure);
- No. 12 (Responsible Consumption and Production);
- No. 13 (Climate Action):
- No. 15 (Life on Land).

Contribution of JSC Atomredmetzoloto to the achievement of the UN SDGs









The Division takes measures to reduce the negative impact on the environment, including the application of the sustainable in-situ leaching method of uranium mining (Khiagda JSC and Dalur JSC), the use of environmentally friendly mining equipment (PJSC PIMCU), measures to improve energy efficiency and energy saving, including the transition to own power generation.



15 LIFE ON LAND <u>____</u>

GOVERNANCE SYSTEM

Contribution of the Mining Division

The Mining Division recognises the rights of employees to decent work and seeks to provide all employees with conditions for professional development, ensuring absolute safety of people and production processes. The Company's social policy is aimed at improving the living standards of employees, including ensuring the social protection of employees and non-working pensioners, creating comfortable working and leisure conditions for employees.

The Mining Division operates and implements projects in 9 regions of the Russian Federation. In 2022, the average headcount was 7,689 employees.

The Mining Division has prioritised the development and implementation of its own innovative technologies. The Company has created a system for intelligent production management throughout the entire production cycle, put the Smart ISL Site system into commercial operation, and is developing and implementing new efficient, environmentally friendly technologies for the production of uranium, rare and rare-earth metals.

In 2022, the replication of the Smart ISL Site technology was launched at the Khokhlovskoye deposit of Dalur JSC (for more details on the Smart ISL Site system, see Chapter 7 'Diaitisation').

The Mining Division is continuously working to improve the sustainability of the production chain. The Company has adopted ROSATOM Production System (RPS) designed to promote a lean manufacturing culture.

The Mining Division shares the fundamental importance of combating climate change and upholds the position that it is impossible to achieve the goals set to reduce the carbon footprint without the use of nuclear energy. Reliable and uninterrupted supply of uranium raw materials to Russian customers contributes to the development of a clean and safe nuclear power industry.

The Mining Division carries out activities aimed at preserving biodiversity in its regions of operation. In 2022, it continued to implement the projects for compensatory reforestation, stocking of water bodies (Khiagda JSC), protection of wild birds (PJSC PIMCU).

> For more details see Section 6.6 'Environmental programmes of the Division's enterprises'.

Sustainable development management system

The Mining Division continuously improves the sustainable development management system by introducing internal documents on various aspects of sustainable development.

The fundamental document regulating the activities of JSC Atomredmetzoloto in the field of sustainable development is the Unified Industry Policy on Sustainable Development of ROSATOM and Its Organisations adopted in 2020. It defines the goals, objectives and key principles of their efforts in the sphere of health, safety and the environment, in the social sphere and in the sphere of corporate governance. In order to systematise sustainability efforts, in 2020 the Company put

In 2022, the Division took part in the procedure for obtaining a sustainable development rating for ROSATOM from the Analytical Credit Rating Agency (ACRA). According to the assessment results, the Corporation was assigned an ESG-3 rating, category ESG-B. which corresponds to a very high assessment in the field of environment, social responsibility and governance. The final score was determined as an integrated result of the guestionnaires of five divisions of the Corporation. The Division was highly rated for its social impact, including due to the low level of fatal injuries over the period under review.

into effect the Uniform Industry-Wide Methodological Guidelines on the Management of Sustainability Initiatives of ROSATOM and its organisations.

Key sustainable development documents

- Unified Industry Policy on Sustainable Development of ROSATOM and Its Organisations (2020)
- Environmental Policy of JSC Atomredmetzoloto (2018)
- Ouality Assurance and Environmental Protection Policy of JSC Atomredmetzoloto (2017)
- Uniform Industry-Wide Occupational Safety Policy of ROSATOM and Its Organisations (2015)
- Uniform Industry-Wide Labour Protection Policy of ROSATOM and Its Organisations (2013)
- Uniform Industry-Wide Safety Culture Policy of ROSATOM and Its Organisations (2021)
- Uniform Industry-Wide Social Policy of ROSATOM and Its Organisations (2015)
- Code of Ethics and Professional Conduct for Employees of JSC Atomredmetzoloto (2016)
- Uniform Industry-Wide Human Rights Policy of ROSATOM and Its Organisations (2022)
- Uniform Industry-Wide Anti-Corruption Policy (2015)

The management of certain sustainable development aspects, such as the use of natural resources, occupational health and safety, business ethics, respect for human rights, stakeholder engagement, is governed by separate policies and codes, some of which are cross-cutting and apply to all ROSATOM entities.

The sustainable development officer function in the Division is performed by the head of the Strategic Planning Department of JSC Atomred metzoloto. Specific tasks and initiatives in the field of managing certain sustainable development aspects in the Division are carried out by the heads of the relevant functional units (First Deputy General Director, HR Director, Chief Safety Control Inspector, Director for Fixed Asset Management and Technical Policy, Head of Corporate Social Responsibility).

In order to raise awareness in the field of sustainable development, the Division pays considerable attention to personnel training. In 2022, employees of JSC Atomredmetzoloto organisations completed 435 personcourses on sustainable development (for details, see Chapter 8 'Developing the Human Capital').

Environmental aspect

The Division is strongly focused on environmental protection issues throughout the entire production cycle, implementing measures to ensure sustainable use of resources and reduce negative environmental impacts.

The key regulatory documents in the field of environmental protection are the Environmental Policy of JSC Atomredmetzoloto and the Quality Assurance and Environmental Protection Policy of JSC Atomredmetzoloto. Pursuant to the latter, quality assurance and environmental goals are set annually.

The Division is actively developing the use of in-situ leaching, which is the most cost-effective and environmentally safe uranium mining technique. In 2022, the share of uranium mined by in-situ leaching at Khiagda JSC and Dalur JSC increased to 60% in the Division's total production.

In the reporting year, the enterprises of JSC Atomredmetzoloto continued activities in the field of energy saving and energy efficiency, including replacement of low-efficiency light sources with LED lamps, purchase of submersible pump control stations with variable frequency drives (Khiaqda JSC, Dalur JSC), reconstruction of the electrical equipment and networks to increase capacity, use of autonomous water-heating boilers to reduce losses in heating networks in the summer period at the Urtuysky open pit (PJSC PIMCU), etc.

In 2022, Khiagda JSC continued to implement the project for its own production of LED lamps, which are sold to the enterprises of JSC Atomredmetzoloto and external customers. Having its own manufacturer in the industry makes it possible to unify light fittings, promptly replace failed lamps, and also provides cost savings with high guality products. In the reporting year, own production of lamps amounted to 2,043 units, which is more than twice the level in 2021.

parable conditions.

In the reporting year, the Division further implemented the projects aimed at preserving biodiversity, including the projects for reforestation, stocking water bodies, and protecting wild birds.

For more information on projects aimed at preserving biodiversity, see Section 6.6. 'Environmental programmes of the Division's enterprises'.

The in-situ leaching method has a number of environmental and socio-economic advantages:

- employees have no contact with ore:
- there are no significant gases or dust emissions into the atmosphere;
- employees are provided with comfortable working conditions:
- industrial and civil construction, as well as commissioning and development of industrial capacities is reduced;
- technological processes can be fully mechanised and automated;
- there are no discharges of liquid or solid waste into surface water bodies.

Energy saving at the enterprises of JSC Atomredmetzoloto in 2022 reached 1.5% compared to 2020 in com-

See also Section 2.3 'Energy Efficiency' of ROSATOM's Public Annual Report for 2022.

Social aspect

Ensuring safe working conditions is an absolute priority for the Mining Division. The Company continuously takes measures to prevent occupational injuries and reduce the exposure of personnel to occupational hazards.

In June 2022, the Red Line project was launched to improve safety culture at the enterprises of the Mining Division. As part of the project, main risks were analysed, posters for enterprises and videos were prepared.

For more details on the project see Section 6.2. 'Occupational health and safety'.

In the reporting year, a comprehensive action plan was implemented to prevent occupational injuries in the industry, aimed at reducing severe and fatal injuries. PJSC PIMCU, Dalur JSC, Khiagda JSC and JSC RUSBURMASH trained 18 officers and internal trainers, developed safety culture training programmes for employees and line managers, and conducted self-diagnostics on safety culture.

For more details see Section 6.2. 'Occupational health and safety'.

To ensure the safety and health of the local population, tactical drills are carried out to prevent, and eliminate the possible consequences of, level A accidents (on the territory of the enterprises) with the involvement of professional emergency rescue teams, and the sufficiency of emergency teams staffing is monitored (Khiagda JSC).

The Mining Division makes a significant contribution to the social and economic development of the regions where it operates by implementing social programmes and projects that facilitate sustainable development.

See Chapter 9 'Developing the Regions of Operation' for details of social projects.

3.3. APPROACH TO STAKEHOLDER ENGAGEMENT

Transparency is an important factor in increasing public confidence. The Mining Division seeks to ensure the maximum level of openness and transparency of its operations, adhering to the principle of active, regular and constructive dialogue with stakeholders. All enterprises of the Mining Division actively interact with stakeholders, provide them with high-quality information on the enterprises' performance and impact on society and the environment, and report on the effectiveness of corporate governance. This approach helps to maintain a balance of interests and avoid potential risks. Information openness, transparency and fulfilment of assumed obligations imply balancing public interests and proprietary information of the Division's enterprises.

Stakeholders are identified and selected taking into account the assessment of the impact on the current operations and strategic development of the Mining Division, as well as the established practice of stakeholder engagement. The stakeholder identification process takes into account the degree of their mutual influence and intersection of interests.

The key stakeholders of the Mining Division include:

- shareholders;
- investment community;
- local communities:
- governments, regulatory authorities;
- business partners and suppliers;
- Division employees, trade unions;
- consumers of products (TVEL JSC, JSC TENEX);

JSC Atomredmetzoloto in its activities uses various methods of communication with stakeholders, including general meetings of shareholders, congress and exhibition events, presentations, informing through the media, social networks and corporate publications, hotlines for employees, federal communication projects, regional projects of the Division. All enterprises of the Division also have their own programmes of interaction with local communities.

In working with the media, the Division strives to provide the most up-to-date and reliable information about the enterprises' operations as quickly as possible. Significant information about all aspects of the Division's operations is published by federal, regional and foreign media.

In accordance with its open information policy, the Mining Division is widely represented on all industryspecific information sources of ROSATOM: on the website http://www.rosatom.ru, in the Strana ROSATOM newspaper, the Corporation's video blog, the Strana Rosatom radio broadcast, etc.

Corporate newspapers are published for employees of the Division's enterprises and residents of the host regions. JSC Atomredmetzoloto publishes the 'Vestnik ARMZ' (ARMZ Journal) corporate newspaper, PJSC PIMCU publishes the 'Gornyak Priargunya' (Priargunye Miner) newspaper, Khiagda JSC publishes the 'Vestnik Khiagda' (Khiagda Journal) newspaper. In addition, PJSC PIMCU is the main shareholder of TV Centre JSC (Krasnokamensk), a local television company.

Official groups in the VKontakte social network have been created by:

- PJSC PIMCU (https://vk.com/club72036988);
- Khiaqda JSC (https://vk.com/hiaqda official);
- Dalur JSC (https://vk.com/public183814662);
- JSC VNIPIPT (https://vk.com/vnipipt).

Most popular content includes:

- news about the enterprises' operations;
- contests with presentation of souvenirs;

- the state (federal government, governments of the constituent entities of the Russian Federation), local

media, non-profit organisations (NPOs) and environmental organisation.

- ARMZ Uranium Holding Co. (https://vk.com/armz.uranium);

PJSC PIMCU has an official group in the Odnoklassniki social network (https://ok.ru/gruppaoaop).

corporate activities (KVN humour contest club, sports contest, etc.);

- photos of the enterprises' employees, nature of the regions of operation.

3.4. COMPLIANCE AND INTRODUCTION OF QUALITY MANAGEMENT SYSTEMS IN THE DIVISION



OF THE DIVISION'S ORGANISATIONS HAVE **BEEN CERTIFIED IN ACCORDANCE WITH INTERNATIONAL STANDARDS**

JSC Atomredmetzoloto, the holding company of the Mining Division, and the uranium mining enterprises within its perimeter participating in the nuclear fuel cycle products supply chain (PJSC PIMCU, Khiagda JSC, Dalur JSC) have international certificates of compliance with the ISO 9001:2015 quality management and ISO 14001:2015 environmental management standards. JSC VNIPIPT, an engineering company, also has a certificate of compliance with international standards ISO 9001:2015: ISO 14001:2015, ISO 45001:2018.

JSC RUSBURMASH has certificates of compliance with GOST R ISO 9001-2015 and GOST R ISO 14001-2016.

In 2022, all enterprises of the Division successfully

passed the inspection audit carried out by the certification bodies and confirmed the compliance of the quality management and environmental management systems applied by them.

In order to assess the level of development of the guality management and environmental management systems in the Mining Division's organisations (PJSC PIMCU and JSC VNIPIPT), the holding company conducted audits of their integrated management systems. Based on the audit results, reports were generated for each audited organisation indicating the identified non-compliances.

Plans for 2023:

- improve and develop the quality management system in the Mining Division;
- carry out systematic self-assessment of operations, annually confirm the compliance of the management systems with established requirements.





The Division's science and technology programme is an integral part of ROSATOM's Innovative Development and Technological Modernisation Programme until 2030 (in the civilian sector). The key objectives of the Division's R&D activities include:

- technology;
- of uranium, rare and rare-earth metals;
- Business diversification.





and 2023 forecast, RUB million



PERI

Increasing the efficiency of uranium production in existing uranium mining enterprises;

- Increasing the share of uranium production using in-situ leaching, an environmentally friendly and safe

Development and implementation of new efficient environmentally friendly technologies for the production





RUB

MILLION REVENUE FROM INCOME-GENERATING CONTRACTS (JSC VNIPIPT) FOR RESEARCH AND DEVELOPMENT IN 2022



Key results in 2022

PJSC PIMCU:

- A feasibility study for the use of ion-exchange resins in the pulp technology of the PJSC PIMCU hydrometallurgical plant was developed, enterprise standards for laboratory testing of ion-exchange resins for PJSC PIMCU were drawn up;
- Research was conducted to study the possibility of obtaining various commercial products in the form
 of ferroalloys from the waste products of sulphuric acid production (pyrite cinders); the project is aimed
 at reducing the negative impact on the environment in the region of operation and the elimination of
 man-made waste storages (cinder storages).

Dalur JSC:

- The company continued to use and improve innovative IT solutions for mining and geological exploration provided by the software and information suite of Dalur JSC, which makes it possible to improve the accuracy of reserve calculation, the quality of mining site design and mining efficiency at the Dalmatovskoye and Khokhlovskoye uranium deposits;
- Optimisation of mining modes and technological parameters for scandium extraction was carried out, which made it possible to increase the production of high-purity (99.9%) scandium oxide;
- Geoecological studies were carried out at the Dobrovolnoye uranium deposit, which confirmed the environmental safety of the development of this deposit using the ISL method;
- Based on the results of previous studies, work was carried out to restore sorption properties of the solid-phase extractant.

Khiagda JSC:

- Based on the results of the project 'Development of technology for mining low-watered areas of ore bodies of the Khiagdinskoye deposit in the upper reaches of paleovalleys based on a hydrodynamic model' implemented in 2020-2021, the company carried out pilot waterflooding of the X4 ore body;
- The Smart Mine project was replicated at the next technological block;
- The company continued to use and improve innovative IT solutions for mining and geological exploration provided by the software and information suite of Khiagda JSC, which makes it possible to improve the accuracy of reserve calculation, the quality of mining site design and mining efficiency at the uranium deposits.



RUB BILLION

THE TOTAL AMOUNT OF PRODUCED AND SOLD INNOVATIVE PRODUCTS (EXCLUDING VAT)

Plans for 2023

PJSC PIMCU:

- Continue research on the p quality;
- Conduct research to study the possibility of obtaining various commercial products from the waste products of sulphuric acid production (pyrite cinders);
- Carry out process development work for percolation leaching of uranium with granulates of small classes
 of ore material obtained using sulphate-resistant portland cements and other binders.

Dalur JSC:

- Perform scientific and methodological work on the topic: Geological and geotechnological modelling
 of ore bodies and blocks of deposits mined by in-situ leaching at Dalur JSC;
- Provide R&D support during the operation of the pilot site of the Dobrovolnoye deposit;
- Continue geoecological studies at the Dobrovolnoye deposit;
- Provide scientific and technical support for optimisation of the ISL mining sites and improve process well drilling and construction methods based on the results of geophysical surveys of the existing process wells at the deposits of Dalur JSC carried out using the prompt fission neutron (PFN) method.

Khiagda JSC:

- Continue the implementation of the project to develop a groundwater resource management technology in order to involve dry and low-watered ore bodies in the Vitim uranium ore region (Zabaikalsky Territory) into mining by the ISL method;
- Continue the implementation of the project to develop a technology for the production of REMactinium concentrate from uranium ISL productive solutions;
- Perform an analysis of hydrogeological monitoring data during waterflooding of the Kh4 ore body and update its hydrodynamic model. The technology will ensure the recycling of acid and oxidizer, as well as reducing the cost of rehabilitation of the aquifer of the depleted sections of the deposit.

- Continue research on the processing of spent vanadium catalysts to obtain finished products of stable

l

CONTRIBUTION TO THE TECHNOLOGICAL SOVEREIGNTY. NEW PRODUCTS AND BUSINESSES

SAFETY OF OPERATIONS

AND ENVIRONMENTAL

OF DIVISION'S ORGANISATIONS HAVE BEEN CERTIFIED IN ACCORDANCE WITH QUALITY MANAGEMENT MANAGEMENT SYSTEMS



CONTRIBUTION TO THE TECHNOLOGICAL SOVEREIGNTY. NEW PRODUCTS AND BUSINESSES

The Mining Division is the successor to the world's largest network of raw materials enterprises in the nuclear industry created in the Soviet Union. During its recent history, JSC Atomredmetzoloto has not only retained the status of a world-class uranium mining enterprise, but has also laid the foundation for the development of a new high-technology industry in Russia, namely the production of rare and rare-earth metals. The current focus of the Division on the production of scandium, titanium and zirconium is only the first step in a long journey towards ensuring the self-sufficiency of the Russian Federation in raw materials and technologies. The Division is aware of the importance and complexity of the tasks facing it and is actively working to improve the quality of its own resource base and increase the efficiency of production processes.

Key operating results in 2022

Uranium production in the Division in 2022 totalled 2,508 tonnes.

PJSC PIMCU:

- The enterprise continued to develop the existing mines: the Yuzhny site of the Yubileynove deposit of Mine No. 8 was developed;
- Two new high-performance ARAMINE diesel load-haul-dump (LHD) machines and two new drilling rigs were purchased:
- The programme for the third stage of renovation of the Sredneye tailings dump was completed.

Mine No. 6:

- The company began the demothballing of Mine No. 6 facilities. More than 2 million m3 of water was pumped out. Work is underway to achieve the target quality parameters of the treated mine water.
- Construction of exploration and development shaft 19-RESh and the hoist building was started;
- The project for the technical upgrade of shaft 20V was submitted for industry expert review.

Dalur JSC:

- The construction of phase one facilities was completed at the pilot site of the Dobrovolnoye deposit;
- A positive opinion was obtained from FAI Glavgosexpertiza of Russia for the project to develop the Khokhlovskoye uranium deposit;
- The construction of stage one start-up facilities for the development of the Eastern ore body of the Khokhlovskoye deposit was completed; the 'digital' uranium mining technology (Smart ISL Site) was rolled out across the entire ore body.

Khiaqda JSC:

- The construction of stage one mining units was completed at the Kolichkanskoye deposit;
- The development of the Dybrynskoye deposit was started; the construction of phase one infrastructure facilities was completed.

JSC RUSBURMASH:

- and Khiagda JSC:
- bodies at uranium deposits was reduced three-fold:
- as part of import substitution.

JSC VNIPIPT:

was assigned the 2022 BIM Leader status.

New products and businesses

The Mining Division is a centre of responsibility tasked with supplying ROSATOM and the Russian Federation other strategic metals which are used in cutting-edge areas of modern economic development, such as additive manufacturing, robotics, energy storage systems, high-temperature and renewable energy, etc.

The main areas for the development of new businesses of the Mining Division include:

- mining and processing of rare and rare earth metals;
- gold mining;
- of engineering structures and communications.

The priority area of focus is the development of production of rare and rare-earth metals (hereinafter referred to as RMs and REMs), which is of critical importance for meeting the needs of high-technology industries in the Russian Federation.

For the purposes of import substitution and the creation of full-cycle production and technologies based on own mineral resource base, a Roadmap for the Development of the High-Tech Area 'Technology for New Materials and Substances' has been developed and approved by the Government of the Russian Federation, which includes a separate product area, Rare and Rare-Earth Metals. In accordance with the Road Map, the share of imported products in total consumption in the Russian Federation is intended to be reduced to zero by 2030.

In order to achieve the goals of developing the RM and REM product area, supplying resources for the production of flagship products and addressing gaps in the process chains for the manufacture of products based on titanium, zirconium, REM oxides, lithium and scandium, JSC Atomredmetzoloto is implementing the following projects:

- from phosphogypsum, including individual REM oxides;
- Region to produce titanium and zircon concentrates;
- the industrial site of Dalur JSC.

PERF

- The enterprise continued to enhance construction capabilities at the construction sites of Dalur JSC

- As part of the fulfilment an industry-wide RPS order, the time required to prepare for the mining of ore

The fleet of drilling rigs for the construction of process wells in ISL enterprises was expanded, including

- mining and processing of non-uranium ores and other minerals;

provision of services: geological exploration and drilling, engineering services and design, construction

- Lithium Asset in the Russian Federation: the development of lithium carbonate/hydroxide production at the Kolmozerskoye lithium deposit in the Murmansk Region;

- Phosphogypsum project: the establishment of a facility for the production of REMs and gypsum products

- Titanium project: the processing of ilmenite-zircon sands from the Tuganskoye deposit in the Tomsk

- Scandium project: the production of scandium oxide and aluminium-scandium alloy as by-products at

Key operating results in 2022

As part of the Roadmap for the Development of the High-Tech Area 'Technology for New Materials and Substances' approved by the Government of the Russian Federation, the first stage of the Tugansk Ore Mining and Processing Enterprise specialising in the processing of ilmenite-zircon sands in the Tomsk Region was put into operation. The first Russian enterprise for the production of titanium-zirconium concentrates was successfully launched, gualified specialists were recruited, the first batches of finished products were shipped to Russian consumers of rare metals.

As part of the Phosphogypsum project, a pilot plant for the processing of phosphogypsum waste and the extraction of individual compounds of rare earth metals was created in the Leningrad Region. The extraction cascade for cerium/praseodymium separation was launched, the first samples of finished products were obtained.

Under the Lithium Asset in the Russian Federation project, an order of the Russian Government was prepared to hold an auction for the Kolmozerskove lithium deposit with special conditions for participation in the auction. In 2022, the Division and PJSC Norilsk Nickel established LLC Polar Lithium, a special-purpose vehicle for implementation of this project.

Under the Scandium project, pilot work was completed, more than 600 kilograms of scandium products (in terms of scandium oxide contained) were produced.

Under the Severnoye project, 500 kilograms of gold were obtained during pilot production, geological exploration and pilot works were successfully completed.

As part of the optimisation of the project for the development of the Pavlovskove lead and zinc deposit (Novaya Zemlya archipelago), in 2022, positive opinions were obtained from FAI Glavgosexpertiza for the port complex and the mining and processing complex.

Plans for 2023

The Division will continue to expand the use of in-situ leaching, which is the most effective mining technique. Plans include completing the construction of pilot site facilities at the Dobrovolnove deposit in the Kurgan region. The construction of facilities will also continue at the Khokhlovskove deposit in the Trans-Urals. The Division plans to start uranium mining at the Dybrynskoye deposit in the Republic of Buryatia.

In the Zabaykalsky Territory, the Division plans to reach the design capacity and meet the quality target for the pumping out of mine water, and start the construction of site facilities at Shaft 20V of Mine No. 6 of PJSC PIMCU.

As the Krasnokamensk CHPP has become a subsidiary of the Mining Division, ensuring the reliable and safe operation of energy facilities will become one of the top priorities of PJSC PIMCU.

As part of new business development, in 2023, the Division plans to move to the industrial stage of development of the Severnoye deposit in the Republic of Sakha (Yakutia), which will result in a significant increase in gold production. Reserves are expected to be confirmed and entered in the register by the State Reserves Commission.

An important milestone in the development of the rare and rare-earth metals business in 2023 will be participation in the auction for mineral rights to the Kolmozerskove deposit in the Murmansk Region. The development of this deposit will provide the Russian Federation with its own source of lithium feedstock.

An important step towards developing an in-house technological solution for producing individual REM oxides will be the validation of design performance of a pilot REM separation plant and of the guality of the finished product as part of the Phosphogypsum project in 2023. The next stage will involve the development of a semi-industrial plant to ramp up REM production.

validate design performance.

The implementation of new projects in the mining industry and related sectors will drive the growth of the Division's business and enhance its long-term social and financial sustainability.



Production ramp-up to target capacity in the Tugansk Ore Mining and Processing Enterprise in 2023 will provide Russian producers with a domestic source of titanium and zirconium and will make it possible to



GRI 2-23 6.1. SAFETY OF NUCLEAR TECHNOLOGIES AND PRODUCTS

Radiation safety

The average annual effective dose for personnel working at the sites of PJSC PIMCU posing radiation hazards (underground mines and the leach plant) was unchanged and remained at an acceptable level. There were no changes in the number of deviations rated at level 1.0 or 'out of scale' on the INES scale.



At PJSC PIMCU, a low level of volumetric activity in the air in workspaces was maintained by implementing technical measures to improve exhaust and supply ventilation: removing dust from air ducts (at least three times a year), replacing used leaking air ducts; continuous irrigation of ore; stricter administrative measures in terms of compliance with radiation safety requirements, and the introduction of preventive measures.

Consistent efforts have been made to improve radiation safety in mine workings:

- 40 concrete and wooden bulkheads were installed in underground mines No. 1 and No. 8;
- 4 ventilation and lock doors were restored and commissioned;
- Based on the findings of individual radiation exposure monitoring, employees were replaced when exposure reached the reference level of 16.0 mSv.

- Decontamination of equipment and surfaces in the furnace room and the finished product packing room involving a process shutdown;
- Overhaul of the sorption tank and the leaching agitation tank;
- furnace power supply units);
- Dust and technological products removal and washing of intake and exhaust air ducts;
- Scheduled decontamination of equipment and surfaces in workrooms.

6.2. Occupational health and safety

GRI 2–23 of the companies managed by JSC Atomredmetzoloto. GRI 2-24 GRI 2-25

GRI 2-26

Number of injuries in 2020–2022

Indicator	2020	2021	2022
Number of injuries in the Division, total	0	3	3
including fatalities	0	0	1
Number of injuries in contractor organisations, total	1	0	0
including fatalities	0	0	0
Occupational health and safety indicators in 2020–2022			
Indicator	2020	2021	2022

Indicator	2020	2021	2022
Lost time injury frequency rate (LTIFR), target / actuals	0.38/0	0.38 / 0.22	0.30/0.21
Fatal injury frequency rate (FIFR)*	0	0	0.067
Lost day rate (LDR)**	0.45	3.67	1.95
Occupational disease rate (ODR)***	0.13	0.06	0.22

number of man-hours worked x 200,000. hours worked x 200.000.

- The following measures were taken to improve radiation safety at the leach plant:
- Furnace repairs (replacement of a retort, rollers, bearings, repairs to the bunker, lids, the drive and
- In 2022, the operating organisations of JSC Atomredmetzoloto carried out work to prepare for the decommissioning and liquidation of nuclear and radiation hazardous facilities.
- GRI 2-23 In 2022, there were no accidents investigated in accordance with federal rules and regulations at the facilities
 - There were three injuries in the reporting year, including a fatal injury at JSC RUSBURMASH and a severe injury at PJSC PIMCU. The main causes of the injuries were violation of workplace discipline by employees, personal negligence and unsatisfactory organisation of work, violation of technological processes.

- * FIFR was calculated using the following formula: Number of fatal injuries/Total number of man-hours worked x 1,000,000. ** LDR was calculated using the following formula: Number of days lost due to accidents and occupational diseases/Total
- *** ODR was calculated using the following formula: Total number of occupational diseases per year/Total number of man-

The increase in the occupational disease rate in the reporting year was due to the fact that in 2020-2021, the possibility of referring employees to occupational pathology centres for examination of connection between the disease and the profession was limited due to anti-pandemic restrictions.

In 2022, the organisations managed by JSC Atomredmetzoloto took the following measures to ensure safe working conditions:

- Four organisations of the Division began the implementation of a programme to develop a culture of safe behaviour, aimed at changing the attitude of employees to safety and, as a result, reducing the number of accidents related to employees' behaviour;
- A comprehensive action plan was implemented to prevent occupational injuries in the industry, aimed at reducing severe and fatal injuries in ROSATOM's organisations.
- The Red Line divisional project was launched, aimed at improving the safety culture at the enterprises of the Division.
- Occupational risks were assessed and measures were developed to reduce them.

Red Line divisional project

The project is aimed at ensuring the safe conduct of technological processes at enterprises and promotes safety as a priority for human life. The project was launched in June 2022. Main risks were analysed, posters were developed for the Division's enterprises. A master class in graffiti drawing was held in Krasnokamensk.

Together with artists, children drew pictures about safety on the streets, using the wall of a transformer substation instead of a sheet. The project team shot a film titled 'PAPA' about safety and the value of human life. The filming took place in Krasnokamensk. the characters are real employees of PJSC PIMCU, they perfectly played their roles and approached the filming process responsibly. The film 'PAPA' officially opened ROSATOM's 5th forum-dialogue 'Safety Day'. The film is available at:



In total, four multifaceted films about safety were shot: 'Papa', 'I'm for safety' music

video, 'Accident on 15.03' investigative film, 'Mine Accident' interview film. The Division organised safety events, the filming of preventive films about safety and films on accidents occurred, the updating of the poster database, the training of managers and workers on safety culture.

Plans for 2023:

- Continue the implementation of the programme for the development of a culture of safe behaviour and the introduction of safety culture principles and practices among employees; organise regular training for managers at all levels in safe behaviour principles and in practical skills for conducting behavioural safety audits, as well as advanced training for safety culture officers and internal trainers;
- Continue work to prevent occupational injuries, aimed at reducing severe and fatal injuries;
- Continue the implementation of the Red Line divisional project, which promotes security as a priority for human life:
- Organise work to improve the efficiency of the work order system in the Division's organisations.

6.3. ENVIRONMENTAL SAFETY

Environmental protection

Water use. Water withdrawal and discharge

GRI 2–23 GRI 2-25



- Khiaɑda JSC

Water supply to the production facilities of PJSC PIMCU and to the population of Krasnokamensk, including for hot water supply, is carried out centrally, mainly using groundwater from the East Urulyungui basin.

Additional sources of water supply for technical needs, including for supporting the production cycle at LP and CHPP (maintaining the required water level in the reservoir) include:

- surface waters from the Argun River;
- drainage waters from the Urtuysky mine;
- mine waters of uranium mining production facilities.

The main indicator of reduction in water consumption is the full use of drainage waters of the Urtuysky mine and mine waters of the uranium mining production facilities for technical water supply. All mine waters of the uranium mining production are used for the technical water supply to the LP. Drainage water from the Urtuysky brown coal mine is used at the CHPP and other divisions. Efficient use of water resources at production facilities reduces the volume of water withdrawal from natural sources.

At Khiaqda JSC, water is supplied to the enterprise from its own water intake at the Tetrakh groundwater deposit. Water consumption increased slightly compared to 2021 due to an increase in water use for production needs, namely the drilling of new wells. The decrease in water withdrawal for drinking and sanitary purposes was associated with a decrease in the number of working personnel living in the rotational camp.

GRI 2-24 Water withdrawal in the Division's enterprises in 2021-2022 by purpose, million m³

At Dalur JSC, 8 water wells were operated in 2022 for operational and sanitary needs, including five wells at the Dalmatovskoye deposit and three at the Khokhlovskoye deposit. In 2022, water withdrawal decreased due to the repairs of the sand pond of pregnant solutions at the Ust-Uksyanskoye local sorption unit (LSU), the coating of the pond was replaced. Water withdrawal for production needs at the Zapad LSU decreased due to the termination of the reagent (NaNO2) supply to the technological process.

Wastewater discharge

PJSC PIMCU

Wastewater discharge at PJSC PIMCU in 2020–2022, million m³

Year/volume of water	2020	2021	2022
Wastewater discharge	10.318	10.418	10.663

Disposal of household water and industrial wastewater from the CHPP to the Umykey lake system amounted to 10,418,220 m3 in 2021 and 10,663,270 m3 in 2022. The volume of water discharge in 2022 increased by 0.97% year on year.

Khiaqda JSC and Dalur JSC

Due to the closed process cycle, no wastewater containing hazardous chemicals and radionuclides is discharged. Domestic wastewater from the sewerage system is transported to wastewater treatment facilities of a specialised enterprise under a contract.

Air protection

Pollutant emissions into the atmosphere in 2020 – 2022, PJSC PIMCU, tonnes

Pollutant name	2020	2021	2022
Carbon oxide	321.477	277.048	336.001
Sulphur dioxide	5,924.726	5,603.21	5,402.9
Nitrogen oxides (NO ₂ equivalent)	1,657.578	1,685.29	1,750.85
Specific pollutants	9,308.079	9,187.19	5,383.58
Total	17,211.86	16,761.7	12,873.3

At PJSC PIMCU, in 2022, there was a decrease in inorganic dust emissions: 70-20% SiO2 (ash emissions), and a reduction in gross emissions of sulphur dioxide (sulphurous anhydride), which was associated with the improved quality of the mined coal and the technical re-equipment of the ash-collecting plants of the CHPP. combustion modes at the CHPP.

Pollutant emissions into the atmosphere in 2020 – 2022, Khiagda JSC, tonnes

Pollutant name	2020	2021	2022
Carbon oxide	5.25	5.413	5.156
Sulphur dioxide	300.293	300.316	280.614
Nitrogen oxides (NO ₂ equivalent)	4.968	5.079	4.674
Specific pollutants	44.362	44.655	42.172
Total	354.873	355.463	330.752

Actual emissions from sources of pollution did not exceed permitted limits.

Pollutant emissions into the atmosphere in 2020 – 2022, Dalur JSC, tonnes

Pollutant name	2020	2021	2022
Carbon oxide	0.046	0.1483	0.189
Sulphur dioxide	0	0	0.167
Nitrogen oxides (NO ₂ equivalent)	0.205	0.623	2.316
Specific pollutants	0.58035	0.9613	1.411
Total	0.866	1.732	4.083

Pollutant chemical emissions in 2019-2021 changed mainly due to the emissions from the boiler house of the central production site and varied in connection with higher or lower gas consumption caused by scheduled and unscheduled shutdowns of the cogeneration unit.

In 2022, emissions from stationary sources totalled 4.083 tonnes, which constitutes 16% of the permitted level (the standard is 26.141 tonnes per year). Pollutant chemical emissions changed mainly due to the emissions from the boiler house of the central production site and varied in connection with higher or lower gas consumption caused by scheduled and unscheduled shutdowns of the cogeneration unit.

permissible emission standards.

As for estimated greenhouse gas emissions, in 2022, the Division participated in the industry-wide pilot calculation of greenhouse gas emissions in accordance with international methodologies (Scope 1 and Scope 2) conducted by ROSATOM. Cumulative GHG emission estimates are presented in section 1.2 'Sustainable Development Management' of ROSATOM's report for 2022. The reporting of GHG emission data by division is expected from 2023, when an industry-wide GHG emission management system is implemented.

There was a slight increase in gross emissions of carbon monoxide (CO) and nitrogen oxides. Changes in the emission of these substances depend on the physical and chemical characteristics of coal, as well as fuel

Actual emissions of hazardous (polluting) substances into the atmosphere did not exceed the maximum

Waste management

Generation of waste of all hazard classes in 2020-2022, tonnes

Hazard class	Year	PJSC PIMCU	Dalur JSC	Khiagda JSC
	2020	2.873	0.143	0.056
Hazard class 1	2021	2.039	0.132	0.05
	2022	1.663	0.082	0.098
	2020	8.383	1.368	1.929
Hazard class 2	2021	10.514	1.641	1.194
	2022	4.283	0.901	1.125
	2020	79.501	2.576	8.498
Hazard class 3	2021	146.196	1.489	8.134
	2022	182.711	1.822	9.177
Hazard class 4	2020	569.719	106.84	190.3
	2021	469.695	125.344	199.165
	2022	831.534	128.427	217.752
	2020	22,289,456.89	18.131	40.3
Hazard class 5	2021	23,240,529.17	14.995	35.439
	2022	27,259,523.32	22.619	46.619
	2020	22,290,117.36	129.058	241.083
Total	2021	23,241,157.62	143.601	243.982
	2022	27,260,543.51	153.851	274.771
Waste used at own production	2021	22,964,029.33	0	8.2
facilities	2022	27,039,371.98	0	16.463
Waste transferred to other	2021	1,450.598	80.463	92.942
business entities	2022	1,174.603	153.851	145.242
Waste stored at the operated	2021	275,810.965	0	116.513
sites	2022	219,634.56	0	63.416

PJSC PIMCU

Compared to 2021, the following changes in 2022 should be noted:

- Reduction in the amount of hazard class 1 waste (mercury lamps) by 0.376 tonnes due to the earlier replacement of mercury lamps with LED ones;
- Reduction in the generation of undamaged spent lead batteries with electrolyte by 6.231 tonnes due to the unexpired battery life. A significant number of batteries were routinely replaced at the end of 2021;

- Urtuyskoye automobile fleet;
- filters, overalls, office equipment;
- the reporting period.

Hazard class 5 waste also includes a practically non-hazardous ash and slag mixture generated from coal combustion at the CHPP in the amount of 252,469,000 tonnes, of which:

- waste disposal facility;

Thus, PJSC PIMCU is actively involved in the recycling of waste.

Dalur JSC

generation.

Khiaqda JSC:

Compared to 2021, the following changes in 2022 should be noted:

- enterprise.

- An increase in generation of hazard class 3 waste by 36.514 tonnes was due to the replacement of used railway sleepers in connection with the ongoing repairs of the railway track, as well as due to the increased generation of engine, hydraulic, transmission oils and oil, air and fuel filters in the course of operations of the structural subdivisions of PJSC PIMCU, including United Automobile Fleet and the

 There was an increase in hazard class 4 waste generation by 361.8 tonnes due to the total volume of municipal solid waste (MSW), moulding sand during foundry work, waste from sand traps, tires, air

- An increase in hazard class 5 waste generation was associated with the overburden of the Urtuysky coal mine, which is the main type of hazard class 5 waste. This type of waste is placed in the internal dumps of the coal mine for the technical stage of reclamation. In 2022, hazard class 5 waste generated totalled 27,005,900 tonnes, accounting for 99% of the total volume of all PJSC PIMCU waste generated during

- 219,632,060 tonnes of ash and slag was disposed of at CHPP Ash and Slag Dump, the enterprise's own

- 32,836,940 tonnes of ash and slag mixture was used in mining for backfilling operations to improve the guality of backfilling and thus ensure safe mining operations. This type of waste utilisation helps to reduce the storage of hazard class 5 waste at operated production facilities.

A year-on-year increase in waste generation in 2022 was due to the increase in municipal solid waste

- An increase in hazard class 1 waste generation (mercury lamps) due to expired service life or burnout. This change is almost residual as the enterprise transitions to LED lighting;

- An increase in hazard class 5 waste generation due to a large volume of construction work (three deposits are being built at the same time), as well as an increase in the number of employees of the

6.4. PROTECTION OF LAND AND BIODIVERSITY

PJSC PIMCU



An increase in the area of disturbed land by 22.315 hectares was due to the reconstruction of the Srednee tailing dump, the development of a coal mine, and the construction work at Mine No. 6. No reclamation of disturbed land was carried out in 2022.

Khiaqda JSC

In 2022, the area of land disturbed at Khiagda JSC totalled 213.95 ha, including:



- 66.39 ha disturbed during the mining of mineral deposits of the Khiagda ore field;
- 100.14 ha disturbed during construction works (construction of a road and a power transmission line) at the Khiagda ore field;
- 4.30 ha disturbed during construction works (development of the Istochnoye open-pit mine) at the Khiaqda ore field;
- 25.07 ha disturbed during construction works (the LSU site) at the Khiagda ore field;

18.05 ha disturbed during the mining of mineral deposits of the Khiagda ore field.

Land reclamation is scheduled after the completion of development of ore bodies and deposits.

Dalur JSC

In 2022, the area of land disturbed at Dalur JSC totalled 1.525 hectares, which was due to the preparation of construction sites for construction and installation work at the pilot facility for in-situ leaching of uranium at the Dobrovolnove deposit.



2020

The topsoil removed at the sites will be used at the final stage of construction, during the improvement of the area surrounding the constructed facilities and during the rehabilitation of areas contaminated as a result of the work.

6.5. ENVIRONMENTAL COSTS

Environmental costs in 2022, RUB '000

Enterprise	Current (operating) expenses	Payment for environmental services	Environmental costs associated with major repairs of fixed assets	Environmental investments in fixed assets	Charges for the negative environmental impact
PJSC PIMCU	197,902.0	18,719.0	103,019.0	33,189.0	36,092.6
Khiagda JSC	50,865.0	1,367.0	-	41,446.2	62.6
Dalur JSC	1,479.0	5,106.0	-	-	1.38
TOTAL	250,246.0	25,192.0	103,019.0	74,635.2	36,156.6

In 2022, the funds were spent on activities aimed at protecting the atmospheric air, protecting and rationally using water resources, protecting land resources and reducing waste disposal, ensuring radiation safety, monitoring and environmental control, design work, as well as measures to preserve biodiversity, including reforestation, fish stocking and protection of wild birds.

Charges for the negative impact on the environment in 2022 amounted to RUB 36.1 million due to the generation of ash and slag mixture from coal combustion at the CHPP in connection with the deterioration of the physical and chemical properties of coal and the over-limit fee for the disposal of ash and slag waste.

6.6. ENVIRONMENTAL PROGRAMMES **OF THE DIVISION'S ENTERPRISES**

The main objective of the environmental protection activities of the Mining Division's enterprises is to ensure environmental and radiation safety.

The priority is to comply with legal requirements for environmental protection and protection of the population against radiation exposure.

To achieve this, the Division implements the following environmental measures on an annual basis:

- the ISO 9001:2015 and ISO 14001:2015 standards:
- decision-makers;

Total expenses for measures implemented in 2022 to protect the environment and reduce the negative environmental impact, using all sources of financing, including the federal budget, amounted to RUB 453.15 million.

Developing and ensuring the stable functioning of an integrated management system compliant with

- Continuously maintaining the required level of environmental education for environmental safety

- Radiation and environmental monitoring of industrial sites and buffer areas;

- Replacing mercury-containing light bulbs with LED light bulbs.

Environmentally significant subsidiaries issue annual public environmental safety reports, which are public documents. The reports are posted on the enterprises' websites, sent to local authorities and public organisations.

Measures taken in 2022 to reduce the negative impact

PJSC PIMCU

- Comprehensive tests of process equipment and process lines of the mine water treatment plant at Mine No. 6 in the pre-commissioning and operating modes;
- Obtaining an opinion on the compliance of the completed capital construction facility with the requirements
 of design documentation, including the requirements for energy efficiency and the requirements for
 equipping the capital construction facility with metering devices for energy sources used at stage No. 3
 of the project 'Development of the Argunskoye and Zherlovoye deposits. Construction of Mine No. 6 of
 PJSC PIMCU: site of the mine water treatment complex (MWTP)';
- Installation of Bird Gard Super Pro AMP bioacoustic devices for the protection of birds in the area of the tailings of the leach plant;
- Use of drainage waters from the Urtuysky open pit and mine waters of underground Mines No. 1 and No.
 8 as an additional source of technical water in the technology in order to reduce the withdrawal of natural water from the Argun River;
- Use of inorganic dust: 70-20% SiO₂ (waste from coal combustion) as a component of the backfill mixture for filling the spent mine workings in underground mines No. 1 and No. 8;
- Collection and storage of radioactive waste at RAW disposal sites;
- Continued implementation of the technology for processing spent vanadium catalysts. In 2022, in order to implement the scheme for the production of vanadium pentoxide from spent vanadium catalysts of the sulphuric acid production, the required reagents were purchased, the installation of the hardware and technological scheme was completed in the experimental hydrometallurgical shop;
- Transfer of hazard class 1 and 2 waste (mercury-containing lamps and batteries) to the Federal Environmental Operator for processing and disposal;
- Transfer of hazard class 3 and 4 waste to a specialised organisation for processing and disposal;
- Timely repair and overhaul of equipment;
- Monitoring of emissions, discharges, the state of atmospheric air, surface and ground waters, soil and vegetation.

Khiagda JSC

In 2022, Khiagda JSC planted 700,000 pine tree seedlings in the Republic of Buryatia as part of compensatory reforestation efforts, contributing to forest restoration after wildfires. Pine sprouts were planted on two plots with a total area of 173.2 hectares in the Zaigraevsky and Mukhorshibirsky districts. Volunteers of the enterprise took part in tree planting. They also checked the sites with the young stock planted earlier.

For three years, the foresters of the Zaigraevsky forestry will take care of the young trees, plough mineralised strips and, if necessary, supplement them with forest crops.

The enterprise has approved the compensatory artificial reforestation schedule until 2025.

In the reporting year, Khiagda JSC continued the implementation of the project to preserve the biological diversity of Lake Baikal. In 2022, the employees of the enterprise released 163,000 grayling fry grown from eggs by the specialists of the Barguzinsky fish hatchery into the Ina River in the Barguzinsky District of the Republic of Buryatia. Fish stocking contributes to the restoration of the endemic ichthyofauna of Lake Baikal, the restoration of aquatic biocenosis of the Selenga and Ima rivers and Lake Baikal, as well as the trophic interactions between hydrobionts.

Dalur JSC

To further preserve biodiversity, in 2022, Dalur JSC developed a reforestation plan for 43.4 hectares of land, which was agreed with the Department of Civil and Environmental Protection and Natural Resources of the Kurgan Region.







русбурмаш

223240



The digitisation programme for the Mining Division of ROSATOM is updated annually in accordance with the Unified Digital Strategy, taking into account changes in the internal and external environment. In 2022, the key issue addressed in the Division was import substitution. All implemented digital solutions must now be import-independent.

Khiagda JSC remains the divisional leader in digital solutions implementation. At the active unit of Khiagda JSC, the Smart ISL Site system has been brought to the target level of operation. The efficiency of applying the Smart ISL Site digital solution is forecast to exceed RUB 30 million thanks to the autonomous operation of the unit when the optimal mining mode is maintained, as well as thanks to a reduced mining time and, as a result, significant savings on reagents and electricity. In 2023, the digital solution applications are planned to be adapted to the domestic database management system (DBMS).

at Khiagda JSC and a quality control system for laboratory tests was introduced, which made it

In 2022, an information system for plan-fact Based on the results of project presentation at the analysis and deviation management was put into annual meeting of the BIM Leader Club of Russia and commercial operation for the main production the CIS. JSC VNIPIPT was awarded the prestigious title of 2022 BIM Leader.

possible to reduce the time for collecting daily samples of mother solutions for uranium tests and publishing the result, for registration of the uranium test results for liquid samples in a chemical analysis laboratory, as well as for issuing work orders.

Taking into account the successful digitisation experience of Khiagda JSC, Dalur JSC has launched the replication of the Smart ISL Site technology at the Khokhlovskoye deposit since 2022. A project was launched aimed at preventing and reducing the risks of emergencies that threaten human life or health. In particular, a PPE control system, VR training and testing tools have been introduced, and a control room with a video wall has been deployed. The commissioning of a comprehensive solution with digital tools for monitoring production operations is planned for 2023. These tools include a video monitoring system, traffic safety control, the Smart Hard Hats hardware and software complex. In order to obtain current production data, the Production Planning and Control system was put into commercial operation.

In 2022, PJSC PIMCU also took part in the implementation of digital projects aimed at improving production technologies. The system for geotechnological monitoring of rock pressure in the mine was put into operation. A number of digital projects are planned for 2023, including those aimed at enhancing the safety of work in the mine and improving the safety of personnel.

In 2022, JSC VNIPIPT traditionally focused mainly on the implementation of projects to develop BIM models of mining facilities:

 development of a BIM-model with an integrated Gantt chart for the construction of the pilot ISL facility site at the Dobrovolnoye deposit (Dalur JSC). In addition to creating BIM models for construction sites, a laser scanning technology has also been used.

GRI 2-7 HR policy is an integral part of all managerial and production activities of the Division. The key objective of the policy is to create conditions, under which the day-to-day operations of the Division's enterprises meet the GRI 2-8 GRI 2–23 needs of modern society, do not harm the environment, contribute to the solution of social problems, ensure GRI 2-24 a balance between economic, environmental and social development, form stable employee behaviours in GRI 2–25 the field of safety and understanding the concept of sustainable development. GRI 2-26 Number of employees by employment type, people GRI 2-30

Personnel distribution by emp

Headcount at the end of the repor

Working under an employment cor

Fixed-term employees

Part-time employees

8

In the distribution of personnel by employment type, the share of part-time employees and fixed-term employees increased, most of whom (75%) are employed by JSC RUSBURMASH.

Staff turnover¹, %

Indicator

Staff turnover (%), excluding emplo optimisation, employment contract industry, etc.

Age and gender composition of personnel, people, %

Personnel distribution by gen

Average headcount of men, people

Share of men in the total headcou

Average headcount of women, peo

Share of women in the total heado

Due to the specifics of operations, the share of women in the total average headcount is not significant.

At the same time, there is a steady increase in the share of women in managerial positions.

the industry, etc."

DEVELOPING THE HUMAN CAPITAL

oloyment type	2020	2021	2022
ting period	7,490	7,439	8,023
ntract signed for an indefinite period	7,037	6,895	7,390
	453	544	633
	43	71	106

	2020	2021	2022
oyment termination due to expiration, transfer within the	17.15	15.97	14.19

der 000	2020	2021	2022
	5,453	5,499	5,811
nt, %	75.25	75.07	75.58
ple	1,793	1,826	1,878
count, %	24.75	24.93	24.42

^{1.} The employee turnover data have changed due to the introduction of a new calculation methodology in personnel reporting since April 2021. 'Staff turnover %, total' data were recalculated and changed to Staff turnover (%), excluding employment termination due to optimisation, employment contract expiration, transfer within

Share of women and men in managerial positions, %

Indicator	2021	2022	2022 / 2021
Share of female managers	20.67	22.19	1.52
 top management² 	0.00	0.00	0.00
 senior management 	24.14	27.02	2.88
 mid-level management 	30.97	31.28	0.31
 first-line management 	14.55	16.63	2.08
Share of male managers	79.33	77.81	-1.52
 top management 	100.00	100.00	0.00
 senior management 	75.86	72.98	-2.88
 mid-level management 	69.03	68.72	-0.31
 first-line management 	85.45	83.37	-2.08

Due to the specifics of operations, the share of women in managerial positions is not significant, but it is steadily growing.

Personnel training and development

The Division's HR policy prioritises personnel training and development.

Expenses for personnel training, assessment and development, RUB '000

Indicator	2020	2021	2022
Expenses for personnel training, assessment and development	16,982.0	20,368.6	21,140.8
Expenses for personnel training, assessment and development per employee per year	2.34	2.78	2.75

In 2022, the total volume of training increased significantly, and the average number of training hours per employee exceeded 48 hours.

Training hours

Indicator	2020	2021	2022	2022/ 2021, %
Training hours	221,377	236,039	390,177	65.3
Average training hours per employee	30.55	31.73	48.63	53.3

Special focus was made on personnel training in the field of sustainable development, respect for human rights, the organisation's impact on regional economy, the environment and human health. In 2022, employees of the Division's organisations completed 435 person-courses on Sustainable Development.

Share of employees covered by training programmes



Number of employees who underw advanced training, people Share of employees who underwen training in the reporting year, %

GRI 2–19 Remuneration policy

The remuneration of employees is based on the Integrated Standardised Remuneration System of ROSATOM (ISRS), which provides the basis for a single approach to the establishment of wages and salaries in the Division and provides employees with a stable income regardless of their gender, ethnicity, religion, age or minority status.

The main principle of the current remuneration system in the Division is to ensure the correlation between an employee's salary and his or her performance and achievement of key performance indicators (KPIs).

To ensure an increase in real salary value for employees in connection with the growth of consumer prices for goods and services, salaries in the organisations of the Division are indexed at least once a year. The amount of indexation is determined in accordance with the current Sectoral Agreement for Nuclear Energy, Industry and Science at a level not lower than the forecasted average annual consumer price index. In 2022, extensive measures were taken to increase salaries, including a two-stage indexation, which made it possible to significantly increase the average monthly salary.

Average monthly salary in the Division, RUB



Average monthly salary in the Divis

Share of employees covered (at or above inflation level).

The increase in salary rates and the introduction of index-linked payments resulted in a decreased variable remuneration in the salary structure.

Share of variable remuneration in the salary structure of employees, %



Share of variable payments in empl

standalone business units.

	2020	2021	2022
rent training, retraining and	3,255	6,247	4,830
t training, retraining and advanced	44.92	83.98	60.20

ANTE.	2020	2021	2022	2022/2021,%
ion	70,147	74,925	91,744	22,4
by salary ir %	ndexation	22		
95	94	99		
		A Boo		
2020	2021	2022		

	2020	2021	2022
oyees' salaries ¹	19.39	19.48	18.61

1. Exception for the head of the organisation and his or her deputies, the chief accountant and his or her deputies, heads of branches, representative offices and other

The staff turnover indicator has been included in HR reporting since 2021.

According to the management level matrix of ROSATOM and its organisations, only the General Director of JSC Atomredmetzoloto belongs to the top management of the Division

Social policy

Social support is provided to employees and their families, as well as to retirees in accordance with the Uniform Industry-Wide Social Policy of ROSATOM and its organisations through the implementation of corporate social programmes, as well as other commitments stipulated by collective agreements and local regulations in the Division's organisations.

The main priorities of the Division's social policy in 2022 were the principles of social responsibility:

- Ensuring the safety and health of employees:
- Adherence to generally accepted moral and ethical standards;
- Respect for human rights:
- Ensuring social protection of employees and retirees.

Social expenses in 2020-2022

Indiana de la companya de	2020	2021	20	22
	RUB million	RUB million	RUB million	%
Healthcare programmes	50.084	57.636	67.481	21.7
Health resort treatment and wellness	5.746	9.535	10.124	3.2
Support for retirees	15.258	15.391	13.904	4.5
Providing better living conditions for employees	17.673	13.927	12.051	3.9
Private pension plans	34.331	25.370	25.487	8.2
Expenditure on sporting and cultural events	17.133	25.810	29.578	9.5
Catering	33.821	32.818	59.018	18.9
Financial assistance to employees	10.994	15.871	43.915	14.1
Other social expenses	25.703	39.816	49.990	16.0
Total	210.743	236.174	311.547	100

An important area of the Division's social policy is the involvement of employees in regular physical training and sports. The ARMZ Spartakiad, a traditional sports and entertainment event for the Division's employees and their relatives, is held annually. Employees of the Division's organisations also take part in industryspecific and regional sports tournaments. 5,791 employees participated in sporting events in 2022.

Social investment in social and charitable projects in the regions of operation, RUB million

Indicator	2020	2021	2022
Social investment in infrastructure	7.15	3.20	24.80
Social investment in sports	3.98	4.51	0.20
Other social investment	0.70	1.80	5.55
Charity expenses of JSC Atomredmetzoloto	10.50	7.70	13.55

GRI 2–26 Respecting labour and human rights GRI 2–27

The enterprises of the Division are parties to the Sectoral Agreement for Nuclear Energy, Industry and Science, which establishes mutual obligations of the parties to the social partnership (employees and employers) in the following areas: remuneration, working conditions and labour protection, work and rest regime, employment, social guarantees, benefits and compensations for employees, ensuring decent social and labour guarantees and improving the well-being of employees, compliance with the principle of priority of preserving the life and health of employees.

Over the past three years, there have been no violations of working conditions, forced labour, cases of mass employee discontent or strikes. In order to prevent these shortcomings and minimise the corresponding risks, regular monitoring of working conditions is carried out in accordance with the adopted labour protection policies and standards. Any cases of human rights violation, corruption and other issues may be reported by employees via ROSATOM hotline (info@rosatom.ru), to the General Director of JSC Atomredmetzoloto (the contact form is available on the website of JSC Atomredmetzoloto and subsidiaries).

PIMCU.

All reports and requests are considered within the time limits established by the legislation of the Russian Federation. They are handled in accordance with confidentiality and non-discrimination principles. A written response must be sent to the address indicated in the report/request once it has been reviewed (unless the report/request is anonymous). In 2022, 6 report/requests were received from employees and responses thereto were timely given.

In 2022, the Uniform Industry-Wide Human Rights Policy of ROSATOM and Its Organisations was approved and implemented, which establishes priority industry principles on human rights, as well as measures for implementation thereof in all areas of organisations' activity.

In accordance with the Uniform Industry-Wide Safety Culture Policy of ROSATOM and Its Organisations adopted in 2021 and the Uniform Industry-Wide Guidelines for Occupational Risk Management in ROSATOM Organisations, in 2022, all enterprises of the Division rolled out the programmes for developing a safety culture and transforming labour protection based on the principles of injury prevention.

Occupational health and safety expenses, RUB '000

Indicator	2020	2021	2022
Occupational health and safety expenses	467,077	544,618	776,292
Occupational health and safety expenses per employee per year	64.5	74.4	101.0

Cooperation with universities and youth outreach

Youth councils have been formed and are operating at the enterprises of the Division to arrange systematic work to develop an integrated industry youth community and strengthen the role of youth in the implementation of industry, federal and international initiatives.

The main task of the divisional Youth Council is to create a tool designed to provide a background for the implementation of youth initiatives, identify and support youth leaders, determine issues and proposals concerning the creation of conditions for professional growth and self-realisation of young people, develop mechanisms for searching and selecting talented youth for further development.

Each organisation of the Division has an Ethics Committee. In 2022, a committee meeting was held at PJSC

Number and share of young employees

Indicator	2020	2021	2022	2022/ 2021, %
Headcount of young employees (up to 35 years old) at the end of the reporting period, people	2,070	1,943	2,172	229
Share of employees under 35, %	27.97	26.12	27.07	0.95

The Division pays great attention to attracting and retaining young professionals, passing critical knowledge to them, and working with students.

In 2022, 460 university and college students completed job training and internship at the enterprises of the Division, of which 27 graduates were employed at the Division's enterprises, three agreements with students for employer-sponsored education were made (Russian State Geological Prospecting University named after S. Ordzhonikidze and Irkutsk National Research Technical University).

The number of mentors for interns and young employees increased by 73% in 2022.

Number of mentors for interns and young employees, people

Indicator	2020	2021	2022	2022/2021
Number of mentors for interns	26	49	115	66
Number of mentors for newly hired young employees	270	199	315	116

More than 10% of young employees took part in industry and divisional events:

- Youth Leadership Convention;
- Youth Community Leadership School;
- ROSATOM Youth Congress;
- interdivisional conferences;
- industry-specific webinars for youth, etc.

GRI 2-30 Collective bargaining agreements, trade unions and vetera

Currently, the Division has three collective agreements (PJSC PIMCU, Dalur JSC and JSC VNIPIPT) and two trade unions (PJSC PIMCU, JSC VNIPIPT). In Dalur JSC, employees' interests are represented by the Works Council, which actively engages with the employer. More than 75% of employees are covered by collective agreements.

Share of employees covered by collective agreements, %

Moscow	40.45
Kurgan Region	69.64
Zabaykalsky Territory	92.79
Total	75.70

- RUB 11.2 million on regular pension supplements;
- and trade unions, people



In 2022, the Division spent RUB 13.9 million on support for retirees, including:

- RUB 2.7 million on financial assistance and partial reimbursement for the cost of health resort treatment.

Number of retirees registered in the HR departments, councils of veterans,



DEVELOPING THE REGIONS OF OPERATION

10 SPECIFIC RISKS AND MANAGEMENT APPROACHES OF SOCIAL INITIATIVES ARE SUPPORTED IN THE FRAMEWORK OF THE GRANT COMPETITION IN CITY OF KRASNOKAMENSK PERF

DEVELOPING THE REGIONS OF OPERATION

GRI 2-29 The Division makes a significant contribution to the social and economic development of the regions where it operates by implementing corporate social responsibility programmes and projects that facilitate sustainable development. Social and charity projects are aimed at creating a favourable environment for employees of the enterprises and the local population, improving the guality of life in the regions of operation, developing an environmental culture and unlocking human potential. When developing, monitoring and evaluating the effectiveness of social investment programmes in all regions of operation, the Division follows the best industry practices and standards.

Creative projects

Grant competition for creative teams 'To the Top!'

From November 2022 to March 2023, the Division held the 'To the Top! 2' competition. The goal of the project is to create a positive image of ROSATOM's region of operation, to stimulate the activities of creative teams, to develop conditions for unlocking the creative potential of Krasnokamensk residents.

Pre-gualification was held in the category 'Krasnokamensk - a city of creative people'

Three categories were established:

- Soldier song contest dedicated to the Defender of the Fatherland Day;
- Competition of theatre studios with performances on a patriotic theme;
- Competition of dance companies with performances on a patriotic theme.

11 creative teams presented their vocal and dance compositions. The first place was awarded to a dance routine by the 'Plastilin' dance studio (Dauria Palace of Culture). The second place was awarded to the 'Sozvezdie' exemplary dance theatre (Stroitel Palace of Culture). The third place was shared by the 'Ogonki' exemplary dance ensemble (Stroitel Palace of Culture) and the 'Vdokhnovenie' dance studio (Dauria Palace of Culture).

The first prize among the vocal groups went to the 'Mazhorinki' ensemble (Krasnokamensk cultural and sports centre). The second prize was given to the 'New Star' vocal studio (Dauria Palace of Culture).

The winners received grants that they can spend on purchasing stage costumes and organising tours around the cities of the Zabaykalsky Territory and other regions.

Illustrated books for little blind children

For more than 10 years, the Division has been supporting the Regional Charitable Public Foundation 'Illustrated Books for Little Blind Children'. In 2022, 34 sets of educational books for visually impaired children 'Journey across countries and continents. Release 2' from the Illustrations Perception Atlas series were published. The set consists of a book 'Journey across countries and continents. Release 2', an envelope with entertaining tasks, a 'Fairytale game set', a 'Decoration package', and a 'Magic Pencil' electronic device.

The books were delivered to specialised children's institutions in the regions of operation and distributed in children's specialised institutions in Krasnokamensk (Zabaykalsky Territory), Dalmatovo (Kurgan Region), and the Republic of Burvatia.

Key social projects funded by the Division **Patriotic projects:**

- education of Russian citizens:
- well as their families.

Educational projects

The 'Nuclear Genius' project was implemented with the help of the Regina Yuryeva Foundation to support and promote the implementation of priority social projects in the Novaya Zemlya archipelago: an intellectual competition was organised and held for children of school No. 150 located in the village of Belushya Guba. The financing is aimed at promoting activities in the field of education, science, culture, art, enlightenment, personal spiritual development, as well as raising the level of schoolchildren's knowledge about nuclear science, technology, and forming a positive attitude towards existing and developing nuclear technologies. Students showed their knowledge in three age groups: from the second to the fourth grade, from the fifth to the seventh and from the eighth to the tenth grade. The competition included various guestions: on general sciences and the nuclear industry of Russia. The winners and runners-up were awarded with memorable gifts. During the preparation and holding of the intellectual competition, the children learned a lot about the nuclear industry, many of them decided to get higher education in industry specialties.

Sports projects

The Division also supports sports projects in its host regions. In 2022, the Regional Sports Public Organisation 'Trans-Baikal Archery Federation' received funding to organise and hold all-Russian and regional archery competitions. Material and technical equipment for athletes was purchased, trips for archers from the Zabaykalsky Territory were organised as part of the competitive process.

 A temporary Orthodox chapel was erected to commemorate the memorable date and historical event - the 80th anniversary of the Battle of Moscow - on the premises of the Federal State Budgetary Institution 27th Central Research Institute of the Ministry of Defence of the Russian Federation;

- Financial support was provided to veterans of the Regional Public Organisation of Veterans of the Military Academy of the General Staff for the publication of the military-historical work 'The Book of Memory of the Military Academy of the General Staff. Heroes of the Soviet Union and Russia';

- Support was provided to the ANO 'Club of Russian Military Officials' for holding a military-scientific conference, round table discussions, awarding personal scholarships of the Club to students of the military Suvorov and Nakhimov schools, cadet corps and a number of other events for the patriotic

 Support was provided to the All-Russian Public Organisation of Veterans 'Russian Union of Veterans' in the form of financial and charitable assistance to disabled people and veterans of military service, as

Support for social entrepreneurship

Programme to provide support (grants) through a contest of social and charity initiatives in the town of Krasnokamensk (Zabaykalsky Territory).

The aim and objectives of the project are to promote social support and social security for local residents, create social partnership and provide opportunities for the introduction of innovative sustainable development technologies in the regions of operation, and to foster self-employment.

In 2022, the Division held the 9th Contest of Charity and Social Projects. Financial support totalling RUB 2.8 million was provided in the 1st round of the competition for 12 out of 15 important social projects submitted for the contest. 12 out of 16 submitted applications were supported in the 2nd additional round.

The contest included the following categories: 'Krasnokamensk: a city of bloggers'; 'Krasnokamensk: a tourist city'; 'Krasnokamensk: a city of patriots'; 'Krasnokamensk: a comfortable city'; 'Krasnokamensk: a digital city'.

'Colourful Krasnokamensk' category was established for the first time. In this category, a grant is provided for the design of residential or industrial facilities in the town of Krasnokamensk in order to promote the nuclear industry and develop artistic skills among young people. The facades of two houses were painted in the graffiti style with images symbolising the work of miners: on one of the walls, a family of miners was depicted, on the other, an employee of the city-forming enterprise PJSC PIMCU.

As part of the project, a master class on drawing using graffiti technique was held, in which 30 students of the cadet class of school No. 1, children's art school, and children from the Dobrota orphanage took part.

Corporate Volunteering Programme

To celebrate the anniversary of the Company, volunteers implemented the programme '15 Good Deeds for the 15th Anniversary of ARMZ', which consists of 15 socially significant events aimed at developing environmental consciousness and supporting the regions of operation:

15 years of JSC Atomredmetzoloto: the path of success

To commemorate the anniversary of the Division, a book titled '15 years of JSC Atomredmetzoloto: the path of success' was published, which became the fifth book in the series on the creation of a raw material complex of the nuclear industry. Over the past 15 years, the Mining Division has come a long way towards becoming a multiprofile innovative holding for the extraction of metals of strategic importance for the Russian industry. An effective system for managing ROSATOM's uranium mining assets has been built, projects have been implemented to diversify and expand the mineral resource base, and the latest mining technologies have been developed and put into service. The book contains information about all the transformations and, of course, about the people who have made history. Uranium is the cornerstone of the nuclear industry, and the people working in it are the key to the stable development and competitiveness of the most technologically advanced sector in our country.

- Become a Santa Claus 2022, 2023: purchasing New Year's gifts for children undergoing treatment at the tuberculosis sanatorium in Krasnokamensk;
- Congratulations to grandmothers on March 8: sending greeting cards to grandmothers in nursing homes for the elderly;
- Pulsation donor campaign;
- Environmental campaign to collect 'good caps' and used batteries;
- Earth Day environmental campaign to collect checks and plastic cards:
- Congratulations to veterans on the Great Victory Day;
- Joy of Old Age May: collecting things for the elderly in nursing homes;
- Fluffy Atom campaign to help homeless animals;

- Okoem art workshops fair involving artists with special mental needs;
- Ecological and patriotic trip to Volokolamsk;
- New Year for Grandparents: collecting New Year's gifts for grandparents in nursing homes;
- Soon to School: helping children of evacuees in collecting school supplies by 1 September;
- BumBattle waste paper collection campaign;
- Joy of Old Age New Year: sending greeting cards.

Anatoly Alexandrov

(N. Kurashova, Dalur JSC)

of Russia'

The Best Social Projects of Russia competition:

Second Industry-Wide Corporate Social Responsibility (CSR) and Volunteering Competition named after

- Best CSR Programme category: 1st place: the project 'Social investment programme of ROSATOM Mining Division in the regions of operation' (V. Loginova, I. Krupyanko, JSC Atomredmetzoloto)
- Best volunteer project category: 3rd place: the project '20 good deeds for the 20th anniversary of Dalur'

The 9th All-Russian Contest of Employers' Best Practices in the Socio-Humanitarian Sphere

2nd place in the Art Workshop category: the project 'A complex of art programmes in the 'uranium capital'

1st place in the Culture, Art, Religion category: the project 'Programme for the provision of competitive support for creative teams 'To the Top!' in the Zabaykalsky Territory'.



The Division's management approach to specific risks. Evaluation of the management approach. Key impacts, specific risks (maximum 4 risks) of the Division.

In accordance with ROSATOM's unified approach, JSC Atomredmetzoloto has implemented a risk management system (RMS) integrated into the planning and management processes of the Mining Division. The risk management system is based on a cyclic process of identifying, assessing and managing risks that may affect the results and performance indicators of the Mining Division enterprises.

The RMS is being developed in accordance with the approved Risk Management Development Programme of ROSATOM for the period from 2019 through 2024.

In 2022, JSC Atomredmetzoloto successfully confirmed the compliance of its activities, including risk management, with the ISO 9001:2015 and ISO 14001:2015 international standards.

Radar of key risks of JSC Atomredmetzoloto for 2021-2022



- 1. Currency risk
- 2. Interest rate risk
- 3. Credit risk
- 4. Liquidity risk
- 5. Commodity risk (uranium)
- 6. Health, safety and environmental (HSE) risk
- Political risk
- Risk of loss of and damage to assets (corruption and other offences)
- Reputational risk
- **10.** Risk associated with investment projects (uranium)
- 11. Risk associated with new investment projects
- 12. Other risks, including additional sustainability risks

Key risks and risk management procedures in 2022

Change in risk level compared to 2021:





Risk, its number on Change in risk level Risk management practices in 2022 the Radar and key risk factor

10. Risk associated with investment projects uranium (risk of failure to achieve project goals)

To ensure 100% fulfilment of its obligations to supply uranium products to ROSATOM organisations in 2022 and on the strategic horizon, the Mining Division of ROSATOM is implementing a comprehensive approach to the development of uranium deposits. which involves the replacement of retired deposits with new ones, constant monitoring of compliance with project schedules, search for new more efficient technological solutions and the implementation of measures to keep expenses at the level of approved cost estimates. In 2022, the production programme was 108% completed.

- - -

11. Risk associated with new investment projects and businesses (risk of failure to achieve project aoals)

The implementation of new mining businesses is associated with capital intensity and a long investment phase (a phase with great uncertainty), and long payback periods for projects. When making a decision to enter a new business, JSC Atomredmetzoloto relies on the principles aimed at minimising the impact on ROSATOM's consolidated investment resource, with optimal risks inherent to the development of new markets and new types of products. In 2022, the Division continued to improve its project management procedures:

- Develop the strategy for entering and exiting new businesses;
- Attract industrial investors:
- Attract government support for infrastructure projects;
- Elaborate opportunities for attracting project financing with risks shared by the lender and the project owner;
- Implement the procedures stipulated by the unified industrywide approach to project risk management;
- Control work schedules:
- Control subcontractors' work and reduce their credit risk

In 2022, the Division actively developed projects related to rare and rare earth metals.

In order to reduce operational and social risks, insurance is actively used:

- Insurance of enterprises' property, cargo insurance during transportation;
- Civil liability insurance for the carriage of goods, capital construction activities, as well as compulsory types of civil liability insurance;
- Personal insurance in order to ensure social protection of the Division's employees: voluntary medical insurance, accident and health insurance.

APPENDICES

GRI 2-2 **APPENDIX 1. INFORMATION** GRI 2-3 **ON THE REPORTING PROCESS** GRI 2-4 GRI 2-5 GRI 2-14

GRI 2–29 Contents

GRI 3-1 GRI 3-2

Report boundaries

The Report covers JSC Atomredmetzoloto operations from 1 January 2022 through 31 December 2022 and all key entities managed by the Division.

There were no changes in the scope of consolidation compared to the previous reporting period.

Standards and regulatory requirements used during the preparation of the **Report Process for drafting the Report and determining its content**

Preparation of the Report included an analysis of the Division's enterprises' operations in 2022. The Report presents the performance of the Division in the economic, social and environmental contexts, discloses GRI 2–3 promising areas of development.

The Report reflects the Division's impact on its stakeholders. The Report has been prepared in close cooperation with them. On 10 February 2023, two dialogues were held on Key Performance Results of the Mining Division in 2022. In May 2022, remote public consultations were held to discuss the draft Report.

Process for determining the materiality of information

The content of the 2022 Report was determined in accordance with the requirements of the Global Reporting Initiative GRI (2021) international reporting standards, which are aimed at preparing reports on organisations' significant impacts on the economy, environment and social sphere.

JSC Atomredmetzoloto applied the following procedure to determine the materiality of impacts. The working group responsible for Report preparation, with the involvement of experts in the field of nonfinancial reporting, CSR and sustainable development, prepared a list of significant impacts related to the Division's operations. Using an online survey of the Company's management and representatives of the main stakeholder groups, an assessment of significant impacts was carried out according to the following two criteria:



This report, Performance of the Mining Division, (hereinafter referred to as the Report) forms part of the 2022 modular public annual report of ROSATOM. Public reports are disclosed on an annual basis. Previous reports have been posted on the website https://www.report.rosatom.ru/armz.

- taking into account the significance/strength of the Division's impact: the assessment was based on a three-point system - moderate, significant or critical impact;

taking into account the reparability / irreparability of negative consequences: the assessment was also made according to a three-point system - 'reparable, difficult and expensive', 'compensable', 'irreparable'. Based on the survey results, a list of the most significant impacts of the Division was formed for the preparation of the 2022 Report using the Standard (2021) divided in three blocks: economy, environment, society.

Impact on the economy

Impact on the achievement of strategic goals in the context of global challenges

Contribution to the country's technological development through R&D to improve technology, optimise the timing and cost of equipment production

Impact on the development of import substitution in Russia

Ensuring reputational and financial stability of the company through full and timely fulfilment of contractual obligations, timely payment of taxes to the budgets of all levels

Impact on the development of effective management practices in procurement, guality management, organisational development and other areas

Presence in the nuclear technologies and services markets (markets for natural uranium, uranium conversion and enrichment, nuclear fuel, NPP construction, etc.) and markets for new non-nuclear businesses, as well as prospects for the development of these markets

Impact on the environment

Impact of enterprises on the flora and fauna, water, air and land

Environmental impact of enterprises' operations during equipment production

Impact of industrial waste generated by enterprises on the flora and fauna, water, air and land

Impact on water resources, including water withdrawal, consumption and discharge

Contribution of scientific and technical solutions for equipment production to reducing environmental impacts

Impact of the Division on improving the environmental friendliness of the entire supply chain (including the introduction of requirements for energy efficiency and environmental management certificates in procurement procedures)

Impact on society, including personnel

Impact of the Division on improving occupational health and safety in the entire supply chain (including the introduction of occupational health and safety requirements in procurement procedures, control of occupational health and safety in the process of equipment production)

Impact on the safety and health of personnel in the workplace

Impact on staff employment

Impact on staff gualifications

Impact on the infrastructure of the regions of operation

Potential impact of enterprises' operations on personnel and residents of the host regions

Impact of enterprises' operations on improving the quality of life of citizens in the regions of operation

members

Impact on the rights and equal opportunities of employees and other stakeholders

Data validation

The report preparation was carried out and supervised by the Corporate Communication Department.

Disclaimer

The reporting materials contain forward-looking statements regarding operating, financial, economic and social indicators characterising the Division's future development. The materialisation of assumptions and plans is directly related to the political, economic, social and legal environment. As a result, the Division's actual performance may differ from the forward-looking statements.

Social impacts on residents of the regions of operation, who are not employees of the Division or their family

APPENDIX 2. GRI CONTENT INDEX

Statement of us	e	The Mining Division (JSC Aton GRI Standards for the period 1	nredmetzoloto) has reported in accordance with the rom 1 January through 31 December 2022.
GRI 1 used		GRI 1: Foundation 2021	
Applicable GRI S	ector Standard(s)	Not applicable	
GRI Standard/ Other source	Disclosure	Report section	Comments
GRI 2: General Disclosures (2021)	2-1 Organizational details	Appendix 1. Information on the Reporting Process	
	2-2 Entities included in the organization's sustainability reporting	Appendix 1. Information on the Reporting Process Contact details	
	2-3 Reporting period, frequency and contact point	Appendix 1. Information on the Reporting Process	
	2-4 Restatements of information	Appendix 1. Information on the Reporting Process	
	2-5 External assurance	Appendix 1. Information on the Reporting Process	
	2-6 Activities, value chain and other business relationships	2. Overview of the Division	
	2-7 Employees	1. Key Results and Events in the Reporting Year 8. Developing the Human Capital	
	2-8 Workers who are not employees	8. Developing the Human Capital.	
	2-9 Governance structure and composition	3. Governance System	
	2-10 Nomination and selection of the highest governance body	3. Governance System	Members of the Board of Directors ¹ are elected by the General Meeting of Shareholders until the next annual General Meeting of Shareholders. The General Meeting of Shareholders has the right to remove members of the Board of Directors. At the same time, a decision on removal of members of the Board of Directors may be taken only in respect of all members of the Board of Directors simultaneously. Members of the Board of Directors are elected taking into account qualifications and competencies to reduct the accident

GRI Standard/ Other source	Disclosure	Report section	Comments
GRI 2: General Disclosures (2021)	2-11 Chair of the highest governance body	3. Governance System	The Chair of the Board of Directors does not a an executive officer.
	2-12 Role of the highest governance body in overseeing the management of impacts	3. Governance System	The competences of the Board of Directors of key organisations of the Division are determine by Federal Law No. 208-FZ dated 26 Decembe 1995 on Joint Stock Companies and the Article Association of the Division's companies.
	2-13 Delegation of responsibility for managing impacts	3. Governance System 3.2 Commitment to sustainable development principles	_
	2-14 Role of the highest governance body in sustainability reporting	Appendix 1. Information on the Reporting Process	
	2-15 Conflicts of interest	3. Governance System	In accordance with paragraph 3.10 of the Artic of Association of JSC Atomredmetzoloto, the provisions of Chapter 11 of Federal Law No. 20 dated 16 December 1995 on Joint-Stock Comp do not apply to the Company.
	2-16 Communication of critical concerns	3. Governance System	The competences of the Boards of Directors of JSC Atomredmetzoloto are determined in accordance with the Articles of Association of . Atomredmetzoloto and Federal Law No. 208-F dated 16 December 1995 on Joint Stock Comp
	2-17 Collective knowledge of the highest governance body	3. Governance System	The current composition of the Board of Direct in the key organisations of the Division is balar in terms of the required competencies and professional experience. All members of the Bo of Directors have higher education and are hig professional and qualified, have experience in boards of directors and in senior positions in la companies, have a positive business and perso reputation and have the knowledge, skills and experience necessary to make decisions relate to the competence of the Board of Directors an required for the effective implementation of it functions.
	2-18 Evaluation of the performance of the	3. Governance System	There has been no evaluation (including self- assessment) of the Board's performance.

1. Disclosures from 2-10 to 2-21 inclusive are provided in respect of JSC Atomredmetzoloto, the key organisation of the Division.

GRI Standard/ Other source	Disclosure	Report section	Comments
GRI 2: General Disclosures (2021)	2-19 Remuneration policies	3. Governance System	According to the internal documents of the key organisations of the Division, members of the Board of Directors during the period of performance of their duties may be paid remuneration and (or) reimbursed for expenses related to the performance of their functions as members of the Board of Directors of the Company upon the decision of the General Meeting of Shareholders (sole shareholder). The amount of such
			remuneration and reimbursement is established by the General Meeting of Shareholders (sole shareholder). The General Meeting of Shareholders (sole shareholder) did not make any decisions on the payment of remuneration to members of the Board of Directors and (or) reimbursement for expenses related to the performance of the functions of members of the Board of Directors.
	2-20 Process to determine remuneration	3. Governance System	JSC Atomredmetzoloto does not have any internal document defining the process for determining the amount of remuneration for members of the Board of Directors
	2-21 Annual total compensation ratio	3. Governance System	
	2-22 Statement on sustainable development strategy	3.2. Commitment to sustainable development principles	
	2-23 Policy commitments	 3.2. Commitment to sustainable development principles 4. Innovation and Development of Science 6.1. Safety of nuclear technologies and products 	
		6.2. Occupational health and safety6.3. Environmental safety7. Digitisation	
	2-24 Embedding policy	4. Innovation and	The policies of the Division's organisations are
	commitments	5. Contribution to the Technological Sovereignty. New Products and Businesses	brought to the attention of employees by means of distribution via electronic document management systems (EDMS) and e-mail. The Policy is communicated to customers and contractors through guality assurance programmes.
		6.2. Occupational health and safety 6.3. Environmental safety 7. Digitisation	Availability of the Policy to stakeholders is ensured by posting it on the websites of the Division's organisations, as well as by sending the Policy upon request to any stakeholder.

1. Material violation is defined by the Division as a violation of laws or regulations within the scope of the core business, resulting in the imposition of a fine in excess of RUB 200,000.

GRI Standard/ Other source	Disclosure	Report section	Comments
mpact of the he introduct of occupation	Division on improving oc ion of occupational healt nal health and safety in th	cupational health and safe h and safety requirements le process of equipment pr	ety in the entire supply chain (including in procurement procedures, control roduction)
GRI 3: Material Topics 2021	3-3 Management of material topics	6.1. Safety of nuclear technologies and products	
Impact on the	e achievement of strategi	c goals in the context of gl	lobal challenges
GRI 3: Material Topics 2021	3-3 Management of material topics	Statement from the Head of the Division	
GRI 403: Occupational Health and Safaty (2018)	403-1 Occupational health and safety management system	6.2. Occupational health and safety 6.3. Environmental safety	I
Salety (2018)	403-2 Hazard identification, risk assessment, and incident investigation	6.2. Occupational health and safety 6.3. Environmental safety	
	403-4 Worker participation, consultation, and communication on	6.2. Occupational health and safety 6.3. Environmental safety	
	safety 403-5 Worker training on occupational health and safety	6.2. Occupational health and safety 6.3. Environmental safety	
	403-6 Promotion of worker health	9. Developing the Regions of Operation	
	403-7 Prevention and mitigation of occupational health and safety impacts	6.2. Occupational health and safety	
	directly linked by business relationships		
	403-9 Work-related	6.2 Occupational health and	
	injuries	safety	
GRI 201: Economic Performance (2016)	201-2 Financial implications and other risks and opportunities due to climate change	6.3. Environmental safety	

GRI Standard/ Other source	Disclosure	Report section	Comments
GRI 303: Water and Effluents (2018)	303-1 Interactions with water as a shared resource	6.3 Environmental safety	
	303-2 Management of water discharge-related impacts	6.3 Environmental safety	
	303-3 Water withdrawal	6.3 Environmental safety	
	303-4 Water discharge	6.3 Environmental safety	
GRI 305: Emissions (2016	305-1 Direct (Scope 1) GHG emissions	6.3 Environmental safety	
	305-7 Nitrogen oxides (NOx), sulphur oxides (SOx), and other significant air emissions	6.3 Environmental safety	
GRI 306: Waste (2020)	306-1 (2020) Waste generation and significant waste-related impacts	6.3 Environmental safety	
	306-2 (2020) Management of significant waste-related impacts	6.3 Environmental safety	
	306-3 (2020) Waste generated	6.3 Environmental safety	
	306-5 (2020) Waste directed to disposal	6.3 Environmental safety	
Impact on stat	ff employment		
GRI 3: Material Topics 2021	3-3 Management of material topics	8. Developing the Human Capital	
GRI 405: Diversity and Equal Opportunity (2016)	405-1 Diversity of governance bodies and employees	3. Governance System 8. Developing the Human Capital	

GRI Standard/ Other source	Disclosure	Report section	Comments
Development	of the project quality ma	nagement system	
GRI 3: Material Topics 2021	3-3 Management of material topics	3.4. Compliance and introduction of quality management systems in the Division	
Intellectual pr	operty of the Division		
GRI 3: Material Topics 2021	3-3 Management of material topics	4. Innovation and Development of Science	
Assessment or	f suppliers' and contracto	ors' compliance with sustain	ability requirements
GRI 3: Material Topics 2021	3-3 Management of material topics	6.2. Occupational health and safety	
Impact on stat	ff qualifications		
GRI 3: Material Topics 2021	3-3 Management of material topics	8. Developing the Human Capital	
GRI 201: Economic Performance (2016)	201-3 Defined benefit plan obligations and other retirement plans	8. Developing the Human Capital	
GRI 202: Market Presence (2016)	202-2 Proportion of senior management hired from the local community	8. Developing the Human Capital	
GRI 404: Training and Education	404-1 Average hours of training per year per employee	8. Developing the Human Capital	
(2016)	404-2 Programmes for upgrading employee skills and transition assistance programmes	8. Developing the Human Capital	
GRI 406: Non- Discrimination (2016)	406-1 Incidents of discrimination and corrective actions taken	8. Developing the Human Capital	
Import substit	tution as a competitive ad	dvantage	
GRI 3: Material Topics 2021	3-3 Management of material topics	5. Contribution to the Technological Sovereignty. New Products and Businesses	
Potential impa	act of enterprises' operat	tions on personnel and resid	ents of the host regions
GRI 3: Material Topics 2021	3-3 Management of material topics	6.3. Environmental safety	
GRI 304: Biodiversity (2016)	304-2 Significant impacts of activities, products, and services on biodiversity	6.3. Environmental safety	

GRI Standard/ Other source	Disclosure	Report section	Comments
Contribution (prioritised to	to the technological sove pic of ROSATOM's annua	ereignty of the Russian Fede al report)	eration
GRI 3: Material Topics 2021	3-3 Management of material topics	4. Innovation and Development of Science 5. Contribution to the Technological Sovereignty. New Products and Businesses	
	Indicator demonstrating the contribution to technological sovereignty	1. Key Results and Events in the Reporting Year	

Number of	employees	with
2022, peop	le	

women	Men	Total
	Number of employees	
1,996	6,027	8,023
	Number of regular employees	
1,898	5,492	7,390
	Number of temporary employees	
98	535	633
	Number of full-time employees	
1,928	5,989	7,917
	Number of part-time employees	
68	38	106
N		
Number of employees with a b people Moscow	reakdown by region and type of emplo	oyment as at 31 December 2022, Irkutsk Region
Number of employees with a b people Moscow	reakdown by region and type of emplo Kurgan Region Number of employees	oyment as at 31 December 2022, Irkutsk Region
Number of employees with a b people Moscow 801	reakdown by region and type of employed with the second se	oyment as at 31 December 2022, Irkutsk Region 13
Number of employees with a b people Moscow 801	reakdown by region and type of emplo Kurgan Region Number of employees 718 Number of regular employees	oyment as at 31 December 2022, Irkutsk Region 13
Number of employees with a b people <u>Moscow</u> 801 770	reakdown by region and type of employed with the second state of t	oyment as at 31 December 2022, Irkutsk Region 13 10
Number of employees with a b people <u>Moscow</u> 801 770	reakdown by region and type of employed for the second state of th	oyment as at 31 December 2022, Irkutsk Region 13 10
Number of employees with a b people <u>Moscow</u> 801 770 31	reakdown by region and type of employed with the second state of t	byment as at 31 December 2022, Irkutsk Region 13 10 3

Moscow	Kurgan Region	Irkutsk Region
	Number of employees	
801	718	13
	Number of regular employees	
770	556	10
	Number of temporary employees	
31	162	3
	Number of full-time employees	
737	709	13
	Number of part-time employees	
64	9	0
Republic of Buryatia	Zabaykalsky Territory	Chukotka Autonomous District
Republic of Buryatia	Zabaykalsky Territory Number of employees	Chukotka Autonomous District
Republic of Buryatia	Zabaykalsky Territory Number of employees 5,603	Chukotka Autonomous District 110
Republic of Buryatia 679	Zabaykalsky Territory Number of employees 5,603 Number of regular employees	Chukotka Autonomous District 110
Republic of Buryatia 679 492	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363	Chukotka Autonomous District 110 100
Republic of Buryatia 679 492	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363 Number of temporary employees	Chukotka Autonomous District 110 100
Republic of Buryatia 679 492 187	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363 Number of temporary employees 240	Chukotka Autonomous District 110 100 10 10
Republic of Buryatia 679 492 187	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363 Number of temporary employees 240 Number of full-time employees	Chukotka Autonomous District 110 100 10
Republic of Buryatia 679 492 187 669	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363 Number of temporary employees 240 Number of full-time employees 5,580	Chukotka Autonomous District 110 100 10 10 10 10 110 110 110
Republic of Buryatia 679 492 187 669	Zabaykalsky Territory Number of employees 5,603 Number of regular employees 5,363 Number of temporary employees 240 Number of full-time employees 5,580 Number of part-time employees	Chukotka Autonomous District 110 100 10 10 10 110 110

APPENDIX 3. KEY PERSONNEL CHARACTERISTICS

a breakdown by gender and type of employment¹ as at 31 December

1. In accordance with the labour legislation of the Russian Federation, there are no non-guaranteed hours employees in the Division.

Sakha Republic	Republic of Kazakhstan	TOTAL
	Number of employees	
97	2	8,023
	Number of regular employees	
97	2	7,390
	Number of temporary employees	
0	0	633
	Number of full-time employees	
97	2	7,917
	Number of part-time employees	
0	0	106

Share of employees covered by collective agreements, %

Moscow	Kurgan Region	Zabaykalsky Territory
40.45	69.64	92.79

Glossary and Abbreviations

CCD-SMD	Central Commission for Resources (Rosnedra)
СНРР	combined heat and po
CPS	central production site
CSP	corporate social progra
CSR	corporate social respor
ст	critical tasks
СТБ	consolidated taxpayer
EDS	exploration and develo
EW	exploration work
FEED	front-end engineering
FS	feasibility study
GRI	Global Reporting Initia
HL	heap leaching
IP	intellectual property
ISL	in-situ leaching
ISRS	integrated standardise
КРІ	key performance indica
LDR	lost day rate
LP	leach plant
LSU	local sorption unit
MRB	mineral resource base
ODR	occupational disease ra
PSEDA	priority social and ecor
R&M	repairs and maintenan
RAW	radioactive waste
REM	rare-earth metals
RPS	ROSATOM Production
SCMR, FSFI	State Commission on N
SOCEX	social expenses
SS	substation

n for the Development of Solid Mineral Deposits of the Federal Agency for Mineral ra)
l power plant
site
ogramme
ponsibility
yer group
velopment shaft
ring design
itiative - Sustainability Reporting Standards
ty
dised remuneration system
dicator
ase
se rate
economic development area
nance
ion System
on Mineral Reserves, Federal State-Funded Institution

Contact Details

Location and postal address: 22 Bolshoy Drovyanoy Lane, Moscow, Russia, 109004 Corporate website: http://www.armz.ru Email: info@armz.ru Contact phone number: +7 (495) 508-88-08 Fax: +7 (495) 508-88-10

Corporate Communications Department

E-mail: ViGeLoginova@armz.ru

Official group on Telegram

https://t.me/armz_uranium

Official group on VKontakte

https://vk.com/armz.uranium



rosatom.ru