

Internationally Standardized Reporting on the Sustainable Development Performance of Uranium Mining and Processing Sites (“Checklist”)

Checklist version date: March 2017

Before completing the Checklist, please ensure that you read the [Guidelines for Evaluating Supplier Performance at Uranium Mining and other Processing Sites in the Nuclear Fuel Supply Chain](#).

This Checklist has been prepared by the secretariat of the World Nuclear Association in cooperation with experts from some of the Association’s member organizations. While the World Nuclear Association has made every reasonable attempt to ensure that the Checklist elicits comprehensive information regarding the sustainable development performance of uranium mining and processing sites, it makes no warranty (express or implied) in respect of the Checklist’s effectiveness and completeness, and shall not be held responsible for any use of, or reliance on, the Checklist.

Site name:

Site description:

Site ownership/operatorship:

Date(s) or time period for the checklist responses:

Date(s) or time period for the planned evaluation:

Lead contact person(s) for the utility/utilities:

Plus

- Signature and date
- Contact info: address, phone, email, etc.

Lead contact person(s) for the miner/miners:

Plus

- Signature and date
- Contact info: address, phone, email, etc.

Throughout this document,

- 1) The terms ‘radiation’, ‘health and safety’, ‘waste’, ‘environment’ and ‘corporate social responsibility’ are encompassed by the generic term ‘sustainable development’ unless the former terms are explicitly used in the text.
- 2) The terms ‘radiation’ and ‘waste’ are each encompassed by the generic term ‘environment, health & safety’ unless the former terms are explicitly used in the text.
- 3) Several action items of the Checklist are relevant to both (i) the corporate level and (ii) the operating site level of the company site that is subject to this Checklist. For example, typically, policies and programmes are established at the corporate level and their practical implementation extends to operating sites.

As the way such items are structured may differ between companies, it is best to leave it up to each company to provide the requested information so that it covers each of the two levels where appropriate. For simplicity, it is suggested to indicate the letter ‘C’ (corporate) or the letter ‘S’ (site) in the ‘Relevant’ column in order to specify which of the two levels the information provided corresponds to. Some action items may therefore include two sets of information respectively corresponding to the corporate level (‘C’) and to the operating site level (‘S’).

- 4) Answers: Y = Yes; N = No; OG: Ongoing.
- 5) The term ‘compliance’ may indicate substantive compliance.

GRI references

- 1.2** Description of key impacts, risks, and opportunities.
- 4.8** Internally developed statements of mission or values, codes of conduct, and principles relevant to economic, environmental, and social performance and the status of their implementation.
- 4.9** Procedures of the highest governance body for overseeing the organization's identification and management of economic, environmental, and social performance, including relevant risks and opportunities, and adherence or compliance with internationally agreed standards, codes of conduct, and principles.
- 4.10** Processes for evaluating the highest governance body's own performance, particularly with respect to economic, environmental, and social performance.
- 4.12** Externally developed economic, environmental, and social charters, principles, or other initiatives to which the organization subscribes or endorses.
- 4.13** Memberships in associations (such as industry associations) and/or national/international advocacy organizations in which the organization: has positions in governance bodies; participates in projects or committees; provides substantive funding beyond routine membership dues; or views membership as strategic.
- 4.16** Approaches to stakeholder engagement, including frequency of engagement by type and by stakeholder group.
- 4.17** Key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns, including through its reporting.
- EC1** Direct economic value generated and distributed, including revenues, operating costs, employee compensation, donations and other community investments, retained earnings, and payments to capital providers and governments.
- EN2** Percentage of materials used that are recycled input materials.
- EN7** Initiatives to reduce indirect energy consumption and reductions achieved.
- EN8** Total water withdrawal by source.
- EN11** Location and size of land owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas.
- EN12** Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas.
- EN13** Habitats protected or restored.
- EN14** Strategies, current actions, and future plans for managing impacts on biodiversity.
- EN15** Number of International Union for the Conservation of Nature (IUCN) Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk.
- EN16** Total direct and indirect greenhouse gas emissions by weight.

- EN17** Other relevant indirect greenhouse gas emissions by weight.
- EN18** Initiatives to reduce greenhouse gas emissions and reductions achieved.
- EN19** Emissions of ozone-depleting substances by weight.
- EN20** NO_x, SO_x, and other significant air emissions by type and weight.
- EN21** Total water discharge by quality and destination.
- EN22** Total weight of waste by type and disposal method. **EN23** Total number and volume of significant spills.
- EN24** Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel Convention Annex I, II, III, and VIII, and percentage of transported waste shipped internationally.
- EN25** Identity, size, protected status, and biodiversity value of water bodies and related habitats significantly affected by the reporting organization's discharges of water and runoff.

- HR3** Total hours of employee training on policies and procedures concerning aspects of human rights that are relevant to operations, including the percentage of employees trained.
- HR5** Operations identified in which the right to exercise freedom of association and collective bargaining may be at significant risk, and actions taken to support these rights.
- HR9** Total number of incidents of violations involving rights of indigenous people and actions taken.

- LA7** Rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities by region.
- LA8** Education, training, counselling, prevention, and risk-control programmes in place to assist workforce members, their families, or community members regarding serious diseases.
- LA11** Programmes for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings.

- MM2** The number and percentage of total sites identified as requiring biodiversity management plans according to stated criteria, and the number and percentage of those sites with plans in place.
- MM3** Total amounts of overburden, rock, tailings, and sludges and their associated risks.
- MM7** The extent to which grievance mechanisms were used to resolve disputes relating to land use, customary rights of local communities and indigenous peoples, and the outcomes.
- MM2** The number and percentage of total sites identified as requiring biodiversity management plans according to stated criteria, and the number and percentage of those sites with plans in place.
- MM11** Programmes and progress relating to materials stewardship.
- MM10** Number and percentage of operations with closure plans.

- SO1** Nature, scope, and effectiveness of any programmes and practices that assess and manage the impacts of operations on communities, including entering, operating, and exiting.
- SO2** Percentage and total number of business units analyzed for risks related to corruption.
- SO3** Percentage of employees trained in the organization's anti-corruption policies and procedures.
- SO4** Actions taken in response to incidents of corruption.
- SO7** Total number of legal actions for anti-competitive behaviour, anti-trust, and monopoly practices and their outcomes.

Section 1: Adherence to Sustainable Development

Conduct all aspects of uranium mining and processing with full adherence to the principles of sustainable development as set forth by the International Council on Mining and Metals (ICMM). (The ICMM principles appear in Annex 3 of the World Nuclear Association’s policy document - Sustaining Global Best Practices in Uranium Mining and Processing: Principles for Managing Radiation, Health and Safety, and Waste and the Environment.) Apply these principles with emphasis on excellence in professional skills, transparency in operations, accountability of management, and an overarching recognition of the congruency of good business and sound environmental practices.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
1.1	<p>Sustainable development principles The company adheres to the principles of sustainable development as set forth by the International Council on Mining and Metals (ICMM). These principles have been textually integrated in the World Nuclear Association’s policy document - Sustaining Global Best Practices in Uranium Mining and Processing: Principles for Managing Radiation, Health and Safety, and Waste and the Environment. Specify date of membership. (GRI 4.12)</p>				
1.2	<p>Reporting The company subscribes to established sustainable development reporting framework(s). Examples: The company reports according to the Global Reporting Initiative (GRI) in an annual report/ sustainable development (SD) report. Specify the inception date of reporting.</p>				
1.3	<p>Publishing The company publishes a report on its sustainable development activities and makes it publicly available. (No GRI equivalent)</p>				
1.4	<p>International institutional engagement The company is a member of internationally recognized initiatives such as United Nations Global Compact (UNGC), World Business Council on Sustainable Development (WBCSD), and the World Energy Council (WEC), and the company adheres to their SD reporting where such reporting is well established. Specify date of membership. (GRI 4.13)</p>				

<p>1.5</p>	<p>Contribution to social and sustainable economic development programmes The company contributes to local, regional, national and/or international programmes for social and sustainable economic development. The company implements sustainable community development programmes in the communities in which it operates. (This could include health programmes, assistance with the development of local economic activities, training, <i>etc.</i>) (GRI EC1; EC8; SO1)</p>				
<p>1.5</p> <p>1.5.1</p> <p>1.5.2</p> <p>1.5.3</p> <p>1.5.4</p> <p>1.5.5</p>	<p>Other matters</p> <p>Code of conduct and ethics The company applies an established code of conduct and ethics. Specify which code is applied on site in case of the existence of multiple codes (<i>e.g.</i> a joint venture context). (GRI 4.8)</p> <p>Anti-corruption policy The company applies an anti-corruption policy. (GRI SO2, SO3, SO4)</p> <p>Policy Against anti-competitive practices The company applies a policy against anti-competitive practices. (GRI SO7)</p> <p>Transparency of reporting The company reports according to the Extraction Industry Transparency Initiative (EITI) basic requirements for revenue transparency. (GRI EC1)</p> <p>Transparency of reporting – the company reports according to one of the following: i) US Dodd-Frank Act (No GRI equivalent) ii) EU transparency legislation (No GRI equivalent)</p>				

Section 2: Management System

Employ a recognized quality management system – including the quality-assurance steps of ‘plan’, ‘do’, ‘check’ and ‘act’ (PDCA) – in administering the management of all activities pertinent to radiation, health and safety, waste and the environment.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
2.1	<p>Management systems and standards</p> <p>The company employs a recognized management system in administering the management of radiation, health and safety, waste and the environment. Such a system follows standards in accordance with ISO 9001, ISO 14001, OSHA 18001, or equivalent. Such a system applies to all phases in uranium mining and processing from planning to construction, commissioning, operations, safe shutdown and decommissioning. A company may also employ such a system to other sustainable development and social aspects. (No GRI equivalent)</p>				
2.2	<p>Continual Improvement</p> <p>The company applies a policy of continual improvement that includes commitments and objectives related to radiation, health and safety, waste and the environment as well as to other sustainable development and social aspects. (No GRI equivalent)</p>				
2.3	<p>Planning</p> <p>At all development and operational stages, the company plans for the management of radiation, health and safety, waste and the environment. With the constant goal of avoiding risk and optimizing the use of natural resources and energy, it updates such plans regularly, and particularly in response to any significant change in activities or site conditions. The company ensures that plans are well documented and communicated. (GRI 4.9, EN13, MM2, MM10)</p>				
2.4	<p>Risk management</p> <p>The company applies risk assessment and management procedures to radiation, occupational and public health and safety, waste and the environment. The company has an established system for risk management which includes routinely identifying risks and conducting preventive planning. The company</p>				

<p>2.4.1</p> <p>2.4.2</p> <p>2.4.3</p> <p>2.4.4</p>	<p>implements risk reduction and monitoring programmes and demonstrates processes for improvement. (GRI 4.9)</p> <p>The company: Identifies, characterizes and assesses risks that can impact on health, safety and environmental protection. (GRI 1.2)</p> <p>Mitigates risks with a hierarchy of engineering and administration controls and other protective measures. (No GRI equivalent)</p> <p>Monitors risks and takes timely action to offset the emergence of new risks; regularly reviews performance to improve procedures, further reduce risks, detect weaknesses and trigger corrective measures. (No GRI equivalent)</p> <p>Documents and reports relevant data, and maintains records of compliance with regulatory requirements; places special emphasis on data required and acquired by the quality assurance management system. (No GRI equivalent)</p>				
<p>2.5</p> <p>2.5.1</p> <p>2.5.2</p>	<p>Internal controls The company applies appropriate internal controls in place to review quality management systems, including a programme of audits, management reviews, regular reporting to senior management, and relevant company board committees. (GRI 4.9. 4.10)</p> <p>Audits The company conducts regular internal audits or inspections of its practices for radiation, health and safety, waste and the environment as well as of its other sustainable development and social practices. (No GRI equivalent)</p> <p>Management reviews The company applies a management review process (including regular reporting to the board, board oversight, <i>etc.</i>) for radiation, health and safety, waste and environmental issues as well as for other sustainable development and social issues. (No GRI equivalent)</p>				

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2.6	<p>Independent assessments The company conducts periodic independent assessments of its radiation, health and safety, waste and environmental practices as well as of its other sustainable development and social practices by qualified person(s) and/or third party representatives. (No GRI equivalent)</p>				
2.7	<p>Information and feedback on corrective actions The company has a process for providing information and receiving feedback about corrective actions and results. (No GRI equivalent)</p>				
2.8	<p>Employee satisfaction survey The company conducts employee satisfaction surveys which it uses to gauge performance and identify areas for improvement. (No GRI equivalent)</p>				

Section 3: Compliance

Support the establishment of a suitable legal framework and relevant infrastructure for the management and control of radiation, occupational and public health and safety, waste and the environment. Ensure that all activities are authorized by relevant authorities and conducted in full compliance with applicable conventions, laws, regulations and requirements, including in particular the Safety Standards series of the International Atomic Energy Agency (IAEA). Ensure that operators and contractors are licensed, having met the requirements of the relevant authorities.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
3.1	<p>Public reporting The company adheres to a regular cycle of public reporting to relevant authorities on radiation, health and safety, waste and the environment. It may also publicly report on other sustainable development and social aspects (e.g. see Action Items 1.2 and 4.13.3). (No GRI equivalent)</p>				
3.2	<p>Management reviews The company conducts regular management reviews of its management system according to recognized quality management systems (see Action Item 2.5.2). (No GRI equivalent)</p>			see Section 2	
3.3	<p>Legal frameworks and requirements The company ensures compliance with applicable and adopted local, regional, national and international legal frameworks and requirements regarding radiation, health and safety, waste, the environment, hazardous materials and their transport, accidents and emergencies, radioactive sealed sources and nuclear substances, as well as regarding other sustainable development and social aspects; and with codes and standards to which it subscribes – for all of the company’s mining and processing activities (exploration, construction, commissioning, operation, shutdown and decommissioning). (GRI 4.9)</p>				
3.4	<p>Application for licence and permit and subsequent legal requirements The company ensures compliance with national/local/jurisdictional legislation as part of applying for a licence/permit (for exploration,</p>				

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	construction, commissioning, operation, shutdown and decommissioning) and subsequently with related licence/permit legal requirements regarding radiation, health and safety, waste, the environment as well as regarding other sustainable development and social aspects – for all of the company’s mining and processing activities (exploration, construction, commissioning, operation, shutdown and decommissioning). (GRI 4.9)				
3.5	Disclosure on compliance status The company periodically informs the authorities, local populations, and other relevant stakeholders on results, events and defaults about compliance with legal commitments (e.g. see Action Item 3.4). (GRI 4.17)				
3.6	Monitoring legal development The company regularly monitors national and international standards and legislation to keep abreast of new developments and to ensure regulatory compliance. (No GRI equivalent)				
3.7.1	Human rights The company ensures compliance with national human rights legislation, including non-discrimination on the basis of gender, race, religion or ethnicity in the workplace and local community, and with international standards such as the Universal Declaration of Human Rights. (GRI HR1; HR2; HR3)				
3.7.2	Complaints register The company has mechanisms for employees and members of the local community to register complaints about human rights issues. (GRI MM7)				
3.8	Indigenous rights The company ensures compliance with local, regional, national and international legal frameworks regarding local indigenous rights and with the recommendations and best practices to which it subscribes to. (GRI HR9; MM7; SO1)				
3.9.1	Labour laws The company ensures compliance with local and national labour laws. (No GRI equivalent)				

<p>3.9.2</p> <p>3.9.3</p> <p>3.9.4</p> <p>3.9.5</p> <p>3.9.6</p> <p>3.9.7</p>	<p>Minimum wage The company ensures that employees receive at least the minimum wage in accordance with local standards. (No GRI equivalent)</p> <p>Labour representatives The company ensures the application of labour law is reviewed through regular dialogue with labour representatives or organizations. The company has an employee grievance mechanism in place. (No GRI equivalent)</p> <p>Recruitment rules The company sets out clear rules on recruitment that do not discriminate on the basis of race, colour, sex, religion, political opinion, national extraction or social origin. (No GRI equivalent)</p> <p>Job security The company seeks to achieve a participatory, fair process in all situations affecting job security, including retraining. (No GRI equivalent)</p> <p>Freedom of association The company has a policy on the freedom of association that applies to all of its operations. (GRI HR5)</p> <p>Employee satisfaction surveys: The company conducts such surveys which it uses to gauge its performance and to identify areas for improvement. (No GRI equivalent)</p>				
<p>3.10.1</p> <p>3.10.2</p> <p>3.10.3</p>	<p>Charter of Ethics The company complies with the World Nuclear Association Charter of Ethics. (No GRI equivalent)</p> <p>Code of conduct and ethics The company complies with the established code of conduct and ethics that is applicable to the site. (No GRI equivalent)</p> <p>Assessment/supervision of code of conduct and ethics The company engages a third party to periodically assess and/or supervise its code of conduct and ethics. (No GRI equivalent)</p>				

Section 4: Health, Safety and Environmental Protection

Ensure adequate protection of employees, contractors, communities, the general public, and the environment relative to mining safety, occupational health and safety, radiation safety, personal protective equipment, ventilation, water quality and environmental protection.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
4.1	<p>Safety assessments The company conducts such assessments for its sites. (No GRI equivalent)</p>				
4.2	<p>Mining safety The company ensures safe, well-maintained site conditions for the protection of employees and the public from all conventional mining hazards, including those related to airborne contaminants, ground stability and structure, geological and hydro-geological conditions, storage and handling of explosives, mine flooding, mobile and stationary equipment, ingress and egress, and fire. (No GRI equivalent)</p>				
4.3	<p>Occupational health and safety The company has an occupational health and safety programme in place for all of its uranium mining and processing activities which complies with local and national legal requirements, and which incorporates best practices to which the company subscribes. (No GRI equivalent)</p>				
4.4.1	<p>Incidents and accidents evaluation system The company has such a system in place to ensure that all health and safety incidents and accidents are evaluated and subsequently investigated (root cause) and that the controllable causes are corrected to prevent the possibility of recurrence. Such a system also includes the coverage of incidents and accidents relative to radiation, environment, waste, hazardous materials and their transport, radioactive sealed sources, nuclear substances and emergency. (No GRI equivalent) Accident statistics</p>				
4.4.2	<p>The company regularly publishes statistics on accidents, such as lost time incidents, including references, historical series of data, analyses and corrective action plans. (GRI LA7)</p>				

<p>4.5</p>	<p>Occupational Health and Monitoring Programme The company has such a programme which complies with local and national legal requirements and which incorporates best practices to which the company subscribes, including: medical surveillance with a programme of pre-employment, periodic and exit medical evaluations by registered occupational medical practitioners; occupational hygiene workplace monitoring and measurement programme. (GRI LA8)</p>				
<p>4.6</p> <p>4.6.1</p> <p>4.6.2</p> <p>4.6.3</p>	<p>Radiation safety The company ensures that the principles of Justification, Optimization and Limitation are thoroughly implemented both corporately and at the sites. (No GRI equivalent)</p> <p>Justification The company authorizes the introduction of any new practice involving radiation exposure, or the introduction of a new source of radiation exposure within a practice, only if the practice can be justified as producing sufficient benefit to the exposed individuals or to society to offset any potential radiation harm. (No GRI equivalent)</p> <p>Optimization and Limitation The company optimizes radiation exposure to as low as reasonably achievable, taking into account socio-economic factors. The company ensures compliance with the occupational and public regulatory dose limits. In doing so, the company classifies, according to risk, site personnel and work areas that are subject to radiation exposure. It plans and monitors employee and contractor doses, radioactive discharges and emissions as well as resulting environmental concentrations and exposure rates. The company estimates potential radiological impacts on the public and the environment. (No GRI equivalent)</p> <p>Personnel exposures to radiation The company monitors and records personnel exposures to radiation and official results are sent to a national dose registry if it exists. The company analyses worker exposures and workplace radiation levels with a view to optimize protection. In doing so, statistics are regularly provided and reviewed by operational management and the workforce. (GRI LA7)</p>				

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<p>4.6.4</p>	<p>Survey and controls The company surveys and controls radiation associated with uranium mining and processing. (No GRI equivalent)</p>				
<p>4.6.5</p>	<p>Preventive actions The company takes preventive actions to ensure employees and local communities are informed about and protected from radiation. (No GRI equivalent)</p>				
<p>4.7</p>	<p>Personal protective equipment The company ensures that all permanent, temporary, and contracted employees as well as visitors are provided personal protective equipment appropriate for the hazard being controlled and compliant with relevant standards or specifications to control exposure to safe levels. The company ensures that relevant personnel remain properly trained on the use and maintenance of this equipment. (No GRI equivalent)</p>				
<p>4.8</p>	<p>Ventilation The company ensures that workplaces are adequately ventilated and that airborne contaminants are minimized in workplaces. Particular attention is given to controlling radon and related radiation exposures in uranium mines and processing facilities. Ventilation is periodically reviewed by a qualified person. (No GRI equivalent)</p>				
<p>4.9.1</p>	<p>Environmental protection Overall, the company avoids the pollution of water, soil and air; optimizes the use of natural resources and energy; and minimizes any impact from the site and its activities on people and the environment. In doing so, it includes considerations of sustainability, bio-diversity and ecology in guarding against environmental impact. (GRI EN8; EN21)</p>				
<p>4.9.2</p>	<p>Water quality The company develops and implements site- specific water management practices that meet defined water-quality objectives for surface and ground waters (focusing attention on potable water supplies). Water-quality objectives are periodically reviewed to ensure that people and the environment remain protected. (GRI EN8; EN21)</p>				

<p>4.9.3</p>	<p>Biodiversity The company has biodiversity management procedures, including: re-vegetation programmes, registration of species, fish re-stocking, etc. The company has a biodiversity strategy/policy and/or specific related implementation programmes. The company ensures that the status of the local biodiversity of an area is assessed before development begins, such as via baseline studies. (GRI EN14; MM2)</p>				
<p>4.9.4</p>	<p>Soil erosion The company implements preventive actions to avoid soil erosion and/or erosion of other surface materials. (No GRI equivalent)</p>				
<p>4.9.5</p>	<p>Use of natural resources The company has established objectives for reducing natural resources consumption and methods of measuring the progress made relative to these objectives. The company assists in the protection of local natural resources used by local communities (water, fish, soil, etc.). (No GRI equivalent)</p>				
<p>4.10.1</p>	<p>Energy use The company has objectives for reducing energy consumption and methods of measuring the progress made relative to these objectives. (GRI EN5; EN7)</p>				
<p>4.10.2</p>	<p>Renewal energy technologies The company regularly assesses the applicability of renewable energy technologies. (No GRI equivalent)</p>				
<p>4.11</p>	<p>Waste management/recycling The company has established programmes that: describe how residues are treated and handled; recycle and reduce the quantities of residues produced; and monitor and inspects waste management facilities – including any dumps. (GRI EN2; EN12)</p>				
<p>4.12.1</p>	<p>Evaluation of impacts The company seeks to continually evaluate its radiation, environmental, health and safety, waste and environmental impacts, and to reduce such impacts. Environmental contaminants of all types (radioactive, chemical, heavy metals, etc.) are accounted for. The company also regularly implements actions to evaluate and reduce its impact on the mine site surface area. (GRI EN14)</p>				

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<p>4.12.2</p>	<p>Monitoring, measurement and reporting of environmental impacts The company monitors, measures and reports on its possible environmental impacts (including the releases of contaminants) on air, water, local natural resources, and biodiversity, for example as part of its GRI reporting or SD reporting (e.g. see Action Items 1.2, 1.3 and 1.4) (GRI EN11 to EN25; MM3)</p>				
<p>4.13.1</p> <p>4.13.2</p> <p>4.13.3</p>	<p>Communication The company regularly communicates information about all safety aspects (health, conventional safety, waste, radiation, environment, etc.). (GRI EN4.14; EN4.16; 4.17)</p> <p>Internal communication The company communicates to managerial and site personnel as an integral part of operational management. Regarding radiation, this should include personnel exposure, discharges into the environment, resulting environmental concentrations and the related potential impacts on people and the environment. (No GRI equivalent)</p> <p>Public communication The company periodically communicates information on all safety and risk aspects (health, conventional safety, waste, radiation, environment, etc.) to authorities, the public (with emphasis on local communities) and to other relevant stakeholders. Regarding radiation, this should include personnel exposures, discharges into the environment, resulting environmental concentrations and the related potential impacts on people and the environment. (GRI EN4.14; EN4.16;4.17)</p>				

Section 5: Social Responsibility/Stakeholder Engagement

At all stages of uranium mining and processing, properly inform – and seek, gain and maintain support from – all potentially affected stakeholders, including employees, contractors, host communities, and the general public. Establish an open dialogue with affected stakeholders, carefully consider their views, and provide feedback as to how their concerns are addressed.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
5.1	<p>Transparency policy The company has a published policy on transparency and/or commitment to corporate social responsibility. The company applies such a policy, which includes a commitment to providing information to its stakeholders (including authorities, the public, with emphasis on local communities, and other relevant stakeholders) regarding its objectives, results and impacts related to radiation, health and safety, waste, the environment, as well as to other sustainable development and social aspects. (GRI EN4.16)</p>				
5.2	<p>Stakeholder engagement The company commits to engaging authorities, the public (with emphasis on local communities) and other relevant stakeholders throughout the mine life, including construction, operations, and decommissioning/closure. The company provides regular updates to stakeholders regarding radiation, health and safety, waste and the environment as well as other sustainable development and social aspects. (GRI EN4.16)</p>				
5.3	<p>Communication with local communities The company has established formal two-way communications with the local communities in which it operates, and engages the communities in its decision-making. (GRI EN4.17)</p>				
5.4	<p>Land access The company has a system in place to engage authorities, local communities and others affected by land access and/or land use. (No GRI equivalent)</p>				
5.5	<p>Aboriginal corporate strategy The company has a corporate strategy for respecting aboriginal legal and traditional land use. (No GRI equivalent)</p>				

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<p>5.6</p>	<p>Contribution to local economy The company has a policy that ensures that it contributes to the local economy through community investment and corporate programmes that explicitly encourage corporate charitable giving, employee volunteering, and in-kind contributions of goods and services to local organizations (see also Action Item 1.5). (GRI EC1; SO1)</p>				
<p>5.7</p>	<p>Social and local concerns The company has a strategy and/or programme for integration of social aspects into the business process. The company addresses social and local concerns within the business process. (GRI SO1)</p>				
<p>5.8</p>	<p>Non-governmental organizations The company engages with environmental non-governmental organizations (NGOs). (No GRI equivalent)</p>				
<p>5.9</p>	<p>Dialogue with institutional organizations The company maintains dialogue with institutional organizations on local and, if relevant, national social and economic development issues. (No GRI equivalent)</p>				

Section 6: Management of Hazardous Materials

Manage and dispose of all hazardous materials (radioactive and non-radioactive) – including products, residues, wastes and contaminated materials – in a manner that is safe, secure and compliant with laws and regulations.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
6.1	<p>List of hazardous materials The company maintains an inventory list of hazardous materials, including the hazard level and significant volumes of these materials. (GRI EN22; EN24)</p>				
6.2	<p>Control of hazardous materials The company takes actions to maintain and treat sources of hazardous materials onsite wherever it is practicable to do so. It controls and minimizes any releases into the environment, using planned strategies that involve pollution control technologies, robust environmental monitoring, and predictive modelling to ensure that people and the environment remain well protected. It relies where possible on proven, best-available, industry-scale technologies. (No GRI equivalent)</p>				
6.3.1	<p>Reporting The company reports on uses of hazardous materials (measurement systems, reporting organizations, reports and data). The company surveys and controls hazardous materials associated with mining activities and with the milling process, including the consumption of dangerous products, recycling, emissions in the environment, waste disposal, etc. (No GRI equivalent)</p>				
6.3.2	<p>Impacts The company reports on any impact that hazardous materials may have on the environment and local natural resources (water, air, food). (No GRI equivalent)</p>				
6.3.3	<p>Recycling and disposal The company reports on the recycling and disposal of hazardous materials. (GRI EN22)</p>				

6.4.1	<p>Managing ore stockpiles and other sources of contamination The company focuses particular attention on managing ore stockpiles and potentially significant sources of contamination such as waste rock, tailings, and contaminated water or soils. (GRI MM3)</p>				
6.4.2	<p>Ore and waste rock characterization, management plans and containment designs The company characterizes ore and waste rock as an integral aspect of mining and processing. It considers the geochemistry, assesses the risk of acid rock drainage (ARD), develops management plans which account for ARD, and uses effective containment designs to ensure against long-term liability associated with ARD-producing rock. (No GRI equivalent)</p>				
6.5	<p>Waste reduction The company uses opportunities to reduce the creation of hazardous wastes and contaminants. As far as is practicable, it recovers, recycles and re-uses such wastes and materials, regarding waste disposal as a last resort. (GRI EN2)</p>				

Section 7: Accidents and Emergency

Identify, characterize and assess the potential for incidents and accidents, and apply controls to minimize the likelihood of occurrence. Develop, implement and periodically test emergency preparedness and response plans. Ensure the availability of mechanisms for reporting and investigating all incidents and accidents so as to identify potential root causes and facilitate corrective actions.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
7.1	Accident management The company identifies, characterizes and assesses the potential for incidents and accidents, and applies controls to minimize the likelihood of occurrence. (No GRI equivalent)				
7.2	Emergency planning The company has emergency preparedness and response plans in place that include the identification of potential incidents, training, simulation exercises and feedback. (No GRI equivalent)				

Section 8: Transport of Hazardous Materials

Package and transport all hazardous materials (radioactive and non-radioactive) – including products, residues, wastes, and contaminated materials – safely, securely, and in compliance with laws and regulations. With radioactive materials, adhere to the [IAEA Regulations for the Safe Transport of Radioactive Material](#), relevant IAEA Safety Guides, applicable international conventions, and local legislation.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
8.1	<p>Compliance The company packages and transports hazardous materials (radioactive and non-radioactive) in compliance with applicable laws and regulations. (GRI EN24)</p>				
8.2	<p>Tracking system The company operates a tracking system for nuclear materials (within corporate facilities, during transports and deliveries to converters or other clients). (No GRI equivalent)</p>				
8.3	<p>Reporting The company reports on the handling and transportation of hazardous materials including:</p> <ul style="list-style-type: none"> • Techniques deployed; • Risk management and protection measures used (diffusion in the environment during operation and after an accident); • Survey and control of handling; and • Final destination in the case of transfer to a third party. <p>(No GRI equivalent)</p>				

Section 9: Systematic Approach to Training

In each area of risk, provide systematic training to all site personnel (employees and contractors) to ensure competence and qualification; include in such training the handling of non-routine responsibilities. Extend such training, where appropriate, to visitors and relevant persons in communities potentially affected by these risks. Regularly review and update this training.

Action Items		Relevant	Achieved	Supporting Documentation/ Date Submitted	Responsible Entity
		Y/N	Y/N/OG		
9.1	Training policy The company has a policy to provide training, development, promotion and advancement opportunities within the company to its employees. (No GRI equivalent)				
9.2	Assessment The company has a process in place to assess training needs. (No GRI equivalent)				
9.3	Language Training information is provided in the languages of the workers, taking into account the literacy of the trainees. (No GRI equivalent)				
9.4	Induction (initiation) The company ensures that all permanent, temporary, and contracted employees are appropriately trained regarding radiation, health and safety, waste and environmental issues as well as regarding other sustainable development issues. The company has safety training programmes, site safety orientation programmes, and related procedures in place for all employees, contractors, and visitors who access operating sites. (No GRI equivalent)				
9.5	Local context The company institutes formal training to help managers and employees understand the local context for human rights, including issues such as workplace harassment and discrimination. Training also covers radiation, health and safety, waste and environmental issues as well as other sustainable development aspects. (GRI HR3)				

Section 10: Security of Sealed Radioactive Sources and Nuclear Substances

Ensure the security of sealed radioactive sources and nuclear substances, using the ‘chain-of-custody’ approach where practicable and effective. Comply with applicable laws, international conventions and treaties, and agreements entered into with stakeholders on the safety and security of such sources and substances.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
10.1	Compliance The company ensures compliance with local, national and international security and safety standards, and with the best practices to which it subscribes. (No GRI equivalent)				
10.2	Corporate strategy The company has a corporate strategy for supporting the safe and peaceful use of nuclear materials and technologies, including compliance with international treaties, agreements and national regulations, safeguards, etc. (No GRI equivalent)				
10.3	Nuclear materials accounting The company has a corporate strategy for supporting nuclear materials accounting. (No GRI equivalent)				
10.4	Security measures The company implements security measures for the protection of nuclear material and facilities. (No GRI equivalent)				
10.5	Reporting The company implements security reporting mechanisms. (No GRI equivalent)				

Section 11: Decommissioning and Site Closure

In designing any installation, plan for future site decommissioning, remediation, closure and land re-use as an integral and necessary part of original project development. In such design and in facility operations, seek to maximize the use of remedial actions concurrent with production. Ensure that the long-term plan includes socio-economic considerations, including the welfare of workers and host communities, and clear provisions for the accumulation of resources adequate to implement the plan. Periodically review and update the plan in light of new circumstances and in consultation with affected stakeholders. In connection with the cessation of operations, establish a decommissioning organization to implement the plan and restore the site for re-use to the fullest extent practicable. Refrain from engaging in activities – or in omitting activities – that could result in the abandonment of a site without plans and resources for full and effective decommissioning or that could pose a burden or threat to future generations.

Action Items		Relevant	Achieved	Supporting Documentation/ Data Submitted	Responsible Entity
		Y/N	Y/N/OG		
11.1	Site closure risk assessment The company has conducted a site closure risk assessment for each of its uranium mining and processing sites. (No GRI equivalent)				
11.2	Adequately funded closure plan The company has an adequately funded closure plan for each of its uranium mining and processing sites that is developed during the establishment of the operation, is periodically reviewed and updated, and is in accordance with local/national regulatory requirements. (No GRI equivalent)				
11.3	Reclamation programme The company has a reclamation programme appropriate to the stage of the mine’s lifecycle. The company engages local communities and relevant stakeholders throughout the closure and restoration process. (GRI EN13; MM10; MM11)				
11.4	Employee assistance system The company has an employee assistance system in place, such as assisting employees with job transfers after closure of a site. (GRI LA11)				
11.5	Economic sustainability The company supports a development plan that will contribute to the economic sustainability of communities following cessation of an operation. (No GRI equivalent)				