

Hazardous Materials Management Standard

1 PURPOSE AND OBJECTIVES

This Global Standard sets the minimum requirements for the management of hazardous materials (inclusive of hydrocarbons, cyanide and other hazardous chemicals) in order to protect human health and the environment.

With regards to cyanide use, this Standard largely refers to the International Cyanide Management Code (ICMC) to manage cyanide at Newmont sites. This Standard does not include management of hazardous waste materials which are covered by the Waste Management Standard.

2 SCOPE

The scope of this Standard is global. It applies to all directors, officers and employees of Newmont Corporation (“NC”) or any entity that is controlled or managed by NC (together with NC, “Newmont” or the “Company”). In addition, where explicitly stated in an applicable contract, it may apply to Newmont’s contingent workers, vendors, contractors, and other types of business partners. It is applicable to all sites and in all phases of the mine life cycle including exploration, design, construction, operation and closure.

3 CONTENT

3.1 Planning & Design

- 3.1.1 Sites shall identify, assess, and comply with applicable laws, regulations and other obligations or requirements relating to hazardous materials management for both Newmont and contractors/vendors.
- 3.1.2 Siting of hazardous materials facilities shall include identifying appropriate locations to avoid environmentally sensitive areas, stormwater drainages, allow for emergency access/escape, and allow for maintenance and repairs (to the extent possible).
- 3.1.3 Sites shall develop a hazardous materials management plan or equivalent documentation to minimize hazardous material consumption on Site that includes risk assessment of products prior to purchase. The plan should include as-built designs of related facilities, communications, training needs and responsibilities for the operation, maintenance, monitoring requirements, inspection and testing of hazardous material management systems and spill mitigation.
- 3.1.4 Sites shall assess the use and risk of using hazardous materials (Risk Management Standard – NEM-IMS-STA-002) during planning and where possible specify product alternatives that are less harmful to the environment and human health.
- 3.1.5 Hazardous material inventories shall be developed and maintained during all mine phases; and considered for new facilities and/or modifications to existing facilities. Facility designs shall consider requirements for transfer, distribution and storage of hazardous materials, and compatibility with and segregation from other hazardous substances that may be stored within the same area.
- 3.1.6 Transfer, distribution, and storage facilities (pads, tanks, pumps and piping) shall be designed and constructed above ground, using inert materials with a control system to protect against spills and releases, detect leaks and recover hazardous materials. If buried systems are required, they shall have secondary containment and leak detection mechanisms.
- 3.1.7 Hazardous material storage and transfer systems, including temporary systems, shall be double-walled or located within secondary containment capable of containing a minimum of 110% of the volume of the largest tank in the containment area or as specified in host country regulations, whichever is most restrictive.
- 3.1.8 Secondary containment for hazardous materials including hydrocarbons shall be concrete. Where concrete is not compatible with contained substances the concrete should be lined or the containment constructed of other inert materials with a similar permeability. Hydrocarbon distribution piping that is above ground and visible for inspection does not require secondary containment (unless required by legal or other obligations); however distribution systems shall be routinely inspected to verify integrity.

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- 3.1.9 Bulk hazardous materials tanks shall be equipped with engineered overflow/overpressure protection, leak detection mechanisms, impact protection and/or equivalent controls.
- 3.1.10 Hazardous material use, transfer, distribution, and storage facilities shall be designed to control meteoric water, including drainage within and around containment areas.
- 3.1.11 Site workshops or service areas (including those used/owned by contractors) shall be designed to restrict stormwater ingress and shall have collection/storage areas or treatment facilities for hazardous materials contaminated water (e.g. hydrocarbon) that allows the facility to meet applicable discharge standards.
- 3.1.12 Cyanide Management planning and design shall be completed in accordance with ICMC requirements.
- 3.1.13 An inventory reduction plan or equivalent documentation shall be developed and incorporated into closure plans to minimize the volume of residual hazardous materials that will require post-closure disposal.
- 3.1.14 Transfer and receiving points, piping, lines, hoses and containment areas shall be designed with adequate protection, maintainability, and allow for liquid recovery.

3.2 Implementation & Management

- 3.2.1 Sites will implement the hazardous materials management plan or equivalent which will be reviewed and/or updated (if required) no less than every three years or following a change (e.g. change in supplier, facilities, or process which may impact product type, consumption and/or handling) or significant event (Level 3 or greater as per the Newmont consequence table).
- 3.2.2 Sites shall ensure that facilities are operated in accordance with regulatory and other requirements/commitments (such as ICMC) and that engineering controls are maintained to prevent releases of hazardous materials.
- 3.2.3 Hazardous materials transport contracts shall include contractual obligations to ensure that transporters meet the appropriate regulatory and other requirements for the transportation and handling of hazardous materials.
- 3.2.4 Sites will implement and maintain current standard operating procedures (SOPs) or area/issue specific management plans, signage, labeling and training for hazardous material transportation, unloading, transfer, storage, handling, use and disposal. SOPs will ensure that hazardous materials are managed in accordance with the applicable Safety Data Sheets (SDSs).
- 3.2.5 Sites shall implement an approval process that includes consideration of change management for new chemicals that are procured, produced, transported, stored, handled, or used at Newmont and/or on-site contractor facilities.
- 3.2.6 Sites will develop and maintain a registry of hazardous materials that are produced, transported, stored, handled, and used at Newmont and/or on-site contractor facilities. Safety Data Sheets (SDSs) shall be readily available to personnel where hazardous materials and chemicals are stored and/or used.
- 3.2.7 Hazardous materials releases that occur on Site shall be controlled, cleaned up, properly disposed of and reported as per Site and regulatory processes regardless of size or volume.
- 3.2.8 Sites shall develop and maintain hazardous material release and emergency response protocols, including requisite equipment and personnel to respond to hazardous material releases. Such protocols shall be periodically tested for effectiveness and documented.
- 3.2.9 Site appointed representatives shall be responsible to report releases to the regulatory authorities and corporate personnel in accordance with reporting requirements.
- 3.2.10 Soils contaminated with hazardous materials shall be remediated in conformance with local regulatory requirements, risk based human health and environment criteria and other scientifically sound methods.
- 3.2.11 Hazardous material releases shall be controlled, contained, and/or disposed based on regulatory requirements, risk to human health and the environment, and scientifically sound methods.

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- 3.2.12 Secondary containments shall be maintained free of meteoric water, spillage and/or other materials (including sediment) to maintain containment capacity. Removed liquids and sediments shall be mitigated based on regulatory requirements, risk to human health and the environment, and scientifically sound methods.
- 3.2.13 Hazardous material tanks and containers shall be fit for purpose, sealed (except for when removing materials) free from defects, labeled with contents and stored in a manner that allows for inspection around the container.

3.3 Performance Monitoring

- 3.3.1 On-site hazardous material storage, distribution, transfer and use areas shall be inspected routinely to verify that management practices conform to this standard, regulatory and other requirements or commitments. Inspections shall be documented and include a check (remote leak detection or similar) of interstitial space for any double walled tanks or piping. Immediate repairs should be made to containment systems that are damaged, weathered or deteriorated as a result of an event or an event recovery.
- 3.3.2 Sites shall implement mechanisms to monitor and report hazardous material releases including type of release, volume, concentration (if applicable) and consequence level.
- 3.3.3 On completion of work, facilities used by contractors shall be inspected for the presence of hazardous materials prior to the release or completion of a third-party contract that includes release of any bond, holdbacks, or final payment.
- 3.3.4 Sites shall review the environmental performance of hazardous material suppliers and transportation vendors every three years or more frequently depending on risk. Third party reviews may be used to fulfill this requirement.
- 3.3.5 Sites shall engage qualified parties to review hazardous material storage and distribution system integrity, including appropriate testing, at least every 5 years.
- 3.3.6 Sites that use cyanide to process ore shall achieve and maintain ICMC compliance at startup and conduct the certification audit using ICMC qualified auditors within 12 months of commercial production.
- 3.3.7 Sites shall engage trained internal or third party auditors to conduct one or more Cyanide Code gap checks within the three year certification cycle.

4 TERMS

Refer to the S&ER Policies & Standards glossary for definitions.

- Chemical
- Contaminated
- Cyanide
- Discharge
- Hazardous Material
- Hydrocarbon
- ICMC (International Cyanide Management Code)
- Qualified Party
- Release
- Remediated
- Safety Data Sheets
- Secondary Containment
- Spill
- Third Party Auditor
- Trained Internal Auditors

5 REFERENCES

- HSLP TS-046 Chemical Management
- International Cyanide Management Code – www.cyanidecode.org
- NEM-IMS-STA-002 Risk Management Standard
- NEM-SER-STA-003 Closure & Reclamation Standard

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- NEM-SER-STA-001 Water Management Standard
- Supply Chain Standard Operating Procedures Handbook (SOPH)
- Supplier Risk Management (SRiM) Process Framework
- United Nations Economic Commission for Europe – UN Numbers Alphabetical Index

6 DOCUMENT CONTROL

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