

HAZARDOUS MATERIALS MANAGEMENT**PURPOSE & 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.

CONTENT**1. Planning & Design**

- 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/suppliers.
- 1.2 Sites shall develop a hazardous materials management plan or equivalent documentation to minimize hazardous material consumption on Site that includes review 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.
- 1.3 Sites shall assess the use of hazardous materials and where possible select product alternatives that are protective of the environment and human health.
- 1.4 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.
- 1.5 Transfer, distribution, and storage facilities (pads, tanks, pumps and piping) shall be designed and constructed above ground, using compatible materials with a control system to protect against spills and releases, detect leaks and recover product. If buried systems are required, they shall have secondary containment and leak detection mechanisms.
- 1.6 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 more restrictive.
- 1.7 Secondary containment shall have a maximum permeability of 1×10^{-6} cm/s. 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.
- 1.8 Bulk tanks shall be equipped with engineered overfill/overpressure protection, leak detection mechanisms and/or equivalent controls.
- 1.9 Hazardous material use, transfer, distribution, and storage facilities shall be designed to control meteoric water, including drainage within and around containment areas.

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- 1.10 Site workshops or service areas (including those used/owned by contractors) shall be designed to restrict stormwater ingress and shall have treatment facilities for hazardous materials contaminated water (e.g. hydrocarbon) that allows the facility to meet applicable discharge standards.
- 1.11 Cyanide Management planning and design shall be completed in accordance with ICMC requirements.
- 1.12 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.

2. Implementation & Management

- 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 incident (Level 3 or greater as per the Newmont consequence table).
- 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.
- 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.
- 2.4 Sites will implement and maintain current standard operating procedures (SOPs), 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 MSDS.
- 2.5 Sites shall implement an approval process that includes consideration of change management for new chemicals that are produced, transported, stored, handled, or used at Newmont and/or on-site contractor facilities.
- 2.6 Sites will develop and maintain a registry of chemicals that are produced, transported, stored, handled, and used at Newmont and/or on-site contractor facilities. Material Safety Data Sheets (MSDS) for chemicals listed on the registry shall be readily available to personnel where chemicals are stored and/or used.
- 2.7 Effluent treatment facilities (e.g. for hydrocarbons) shall be included on regular maintenance schedules to make sure that facilities are maintained and that discharges meet applicable discharge standards.
- 2.8 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. Any contaminated material shall be properly disposed of in designated facilities as referenced in 3.2.11.
- 2.9 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.
- 2.10 Site appointed representatives shall be responsible to report releases to the regulatory authorities and corporate personnel in accordance with reporting requirements.
- 2.11 Soils contaminated with hazardous materials shall be excavated and disposed in conformance with local regulatory requirements, a Site-specific risk assessment, or other scientifically defensible standards which protect human health and the environment. Contaminated soils that cannot be excavated shall be remediated utilizing scientifically sound methods.
- 2.12 Hazardous material releases that enter surface water bodies shall be controlled and contained, to the extent possible. Contaminated water will be treated/remediated in-situ, pumped to treatment facilities and/or added to the process circuit.

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- 2.13 Secondary containments shall be maintained free of meteoric water, spillage and/or other materials (including sediment) to maintain capacity and prevent release of contaminated materials to soil or waterways. Containments may be emptied in accordance with local regulations after confirming the type and cause of accumulation.
- 2.14 Sites will ensure that hazardous materials that are produced, transported, stored, or used on Newmont Sites are properly labeled on containers, tanks and conveyance systems. Storage and use areas will have adequate signage and pipeline labeling shall include directional flow indicators.

3. Performance Monitoring

- 3.1 On-site hazardous material storage, distribution, transfer and use areas shall be inspected routinely to verify that product management conforms 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.
- 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 Treatment facilities for contaminated water shall be routinely inspected as per monitoring plans and treated water tested prior to discharge to the environment.
- 3.4 On completion of work, facilities used by contractors shall be inspected for the presence of hazardous materials by a Newmont environmental representative prior to the release or completion of a third-party contract that includes release of any bond, holdbacks, or final payment.
- 3.5 Sites shall engage qualified auditors to conduct environmental and social audits of vendor hazardous material transportation every three years or more frequently depending on risk.
- 3.6 Sites shall engage qualified parties to review hazardous material storage and distribution system integrity, including appropriate testing, at least every 5 years.
- 3.7 Sites that use cyanide to process ore shall achieve and maintain ICMC compliance at startup and conduct the certification audit using qualified auditors within 12 months of commercial production.
- 3.8 Sites shall engage trained internal or third party auditors to conduct one or more Cyanide Code gap checks within the three year certification cycle.