

ENVIRONMENTAL BEST MANAGEMENT PRACTICE

BMP No. 600

Hazardous Material, Substances Or Waste Shipments

WHAT ARE HAZARDOUS MATERIALS, SUBSTANCES OR WASTES?

The definition of a hazardous material is a substance or material, which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and which has been so designated.

The term includes hazardous substances, hazardous wastes, marine pollutants, and elevated temperature materials. Freeport-McMoRan Morenci Inc (Morenci) has several hazardous materials throughout the property, examples include but not limited to: diesel, unleaded gasoline and sulfuric acid (including any mixtures and/or solutions), pregnant leach solution (PLS), electrolyte, lead flakes, raffinate, lead acid batteries and copper concentrate.

Waste means any discarded material, which is abandoned, recycled or considered inherently waste-like. Contact Environmental Services for assistance in determining proper waste management.

Examples of hazardous wastes include but are not limited to: waste paint, some absorbents and rags certain concentrator reagents.

WHAT ARE THE GUIDELINES FOR SHIPMENTS?

- Morenci's Global Supply Chain should be contacted prior to shipping any product, material or sample off-site to determine if it meets the definition of a hazardous material or substance.
- Morenci's Global Supply Chain should be contacted to coordinate the shipment of all hazardous materials or substances off-site for recycling, testing or material returns.
- Morenci's Environmental Services Department should be contacted prior to shipping any waste off-site to determine if it meets the definition of a hazardous waste.
- Morenci's Environmental Services Department should be contacted to coordinate the shipping of all hazardous waste off-site for disposal.
- Shipments of hazardous materials, substances or wastes offered for transportation must describe the material on shipping papers in a specific manner through coordination with the Global Supply Chain or Environmental Services so that all outbound shipments will meet the requirements of the Department of Transportation regulations.
- Placarding of hazardous material, substances or waste shipments is the responsibility of Morenci when offering a hazardous material, substance or waste for transport.

WHAT ARE THE GUIDELINES WHEN TRANSPORTING HAZARDOUS MATERIALS ON-SITE?

Whenever transporting a hazardous material on property, the drivers must ensure the following guidelines are met:

- Engine must be off during loading and unloading of hazardous materials.

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- Packages must be secure against movement.
- Smoking is not allowed on or near a vehicle during loading or unloading of Class 1 (explosives), Class 3 (flammable liquids), Class 4 (flammable solids), Class 5 (oxidizers), and Class 2 – Division 2.1 (flammable gas) materials.
- Handbrake must be set and all reasonable precautions taken to prevent vehicle movement during loading and unloading (chock wheels).
- Avoid tools that could damage any package, container, or closure of any package or container.
- Class 1 (explosives), Class 3 (flammable liquids), Class 4 (flammable solids), Class 5 (oxidizers), Class 8 (corrosives), Class 2 (gas) and Class 6-Division 6.1 (poisonous) materials must be braced to prevent motion, and loaded so that valves and other fittings are protected from damage.
- Protect containers in transit from an undue rise in temperature.
- Do not tamper with containers and their contents between point of origin and destination.
- A “qualified” person must be in attendance at all times during the loading and unloading. A qualified person is someone, which has received training in accordance with the Department of Transportation (DOT) regulations.
- Certain hazardous materials cannot be carried on the same load. For example, cyanides or cyanide mixtures cannot be transported with acids. A segregation table is available and provides a reference for segregating certain hazardous materials.

Transportation of any hazardous material, substance or waste between Reduction Works area and Central SX or the Mine through townsite is strictly prohibited.

EMPLOYEE TRAINING

All personnel shall receive training or at the least have access to this BMP when dealing with hazardous materials, substances or wastes on Morenci property.

Training will be provided by Supervisor and/or Team Environmental Representative.

All Enviro personnel involved with the waste programs shall receive Department of Transportation (DOT) training by the Environmental Services Department or certified outside training consultant once every three years or when the regulations have major changes.

QUESTIONS OR NEED HELP? CONTACT:

Global Supply Division Representatives

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Jorge Loya (Asbestos Sampling)..... 865-7014
Bryan Taylor..... 968-6697
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