Aerosol Can Aspiration and Recycling

1 PURPOSE

This SOP addresses the aspiration and recycling of aerosol cans which require operational control. This SOP receives authority from Operational Control.

EPA regulations require a business to manage un-aspirated, aerosol cans as hazardous waste.

2 SCOPE

This procedure applies to aerosol can related activities within the scope of the IMS.

3 DEFINITIONS AND ACRONYMS

Definitions

None

Acronyms

EPA Environmental Protection Agency

ESR Environmental and Social Responsibility

IMS Integrated Management System

SOP Standard Operating Procedure

4 ROLES AND RESPONSIBILITIES

Document Owner

Director, Environmental Stewardship

Responsible Roles and Position-Holders

Employees

Contracted services

ESR Staff

5 DIRECTION

Aerosol cans are used throughout mining to include but are not limited to:

- vehicle maintenance;
- engineering;
- process maintenance;
- administrative functions.

Responsible Roles and Position-Holders

Note: Each site has a slight variance in the aerosol can collection for the recycling process. The specific training at each site shall address the variance, but each fulfills the following.

Employees and contracted services that use aerosol cans shall ensure.

1. Empty, spent and partially filled aerosol cans are aspirated in the designated aspirator.
2. The contents are drained into an aerosol aspirator drum Satellite Accumulation Container.
3. The aspirator device is closed after use.
4. The aspirated can is placed into a scrap metal bin for off-site recycling.

Inspection of Aspirator Satellite Accumulation Containers

Designated employees shall perform an inspection to verify the following on a site scheduled basis.

- “Satellite Accumulation Container” label is readily visible on the upper 1/3 of drum and includes waste code number(s).
- Container is compatible with contents (e.g. 1A1/Y1.4/250) and shows no signs of damage, leaking or corrosion, etc.
- There is sufficient space around the accumulation drum to allow access, spill control and fire response.
- No spillage of hazardous waste on or around the drum.
- The top of the accumulation drum is clear of garbage and debris.
- Grounding leads are attached to the accumulation drum.
- The carbon cartridge (filter) is operating properly and marked with a “change out”, “installed” or expired date
- The aspirator drain port into the accumulation drum is free of obstruction.
- The aspirator gasket (rubber) is functioning properly.
- The aspirator puncture pin is operating properly.

- The aspirator “sliding top plate” is in the closed position and locked.
- Outdoor accumulation drums are placed within suitable spill containment.
- Ensure the accumulation drum is less than 80% full.

Assigned ESR staff or trained designees shall ensure full Satellite Accumulation Containers are properly marked and transported to the proper 90-day storage facility.

Spray Foam Aerosol Cans

All employees and contracted services that use Spray Foam Insulation shall place non-functional, partially used, or empty cans into designated satellite accumulation containers for hazardous waste.

Note: Spray Foam Insulation aerosol cans will plug the aerosol can aspirator orifice and therefore shall not be punctured in an aspirator.

6 RECORDS AND REFERENCES

Records

Record Created	Associated Form	Filing Information
Inspection of Satellite Accumulation Container- Aerosol Can Aspirator		Corporate Records Retention Schedule (DRAFT)

References

Performance References

Developmental References

DNNA-STD-0010, Operational Control
40 CFR 265.174, 261.7, 261.Subpart B
NFPA Codes and Standards

7 REVISION SUMMARY

New document