



Henderson Operations Standard Operating Procedure

Department	Operating Area
Environmental	All Operational Areas
SOP Title	
<u>Spill Management and Reporting Procedure</u>	

Purpose & Scope

This procedure is to be used as a guidance document for the spill of common chemicals¹. The Environmental Department should be contacted whenever there is a spill of a chemical not identified in this procedure or if any question exists relative to how to manage or report a spill. This procedure applies to spills on the surface and underground.

Safety

PPE Requirements:

Wear appropriate PPE including safety glasses, hard hat, steel toed boots, hearing protection, reflective clothing and respirator in areas that require them.

Warnings and Precautions:

Performing this task improperly could result in damage to equipment, damage or loss of materials, environmental hazards or spills, disciplinary action or other consequences. To prevent danger and avoid errors strictly follow all safety guidelines, inspect work areas before starting, inspect all equipment, and follow any other appropriate precautions.

Environmental

Environmental SOP

Responsible Parties

All Henderson personnel and contractors.

Specialized Tools/Skills/Training

Review and understand this procedure and applicable regulations.

Reference Materials

¹ Common Chemicals assumes chemicals which do not have a reportable quantity that is one gallon or less. There are believed to be none on site at the time of this revision.

[Henderson Mine Incident Response Manual \(IRM\)](#)

[Henderson Mill Incident Response Manual \(IRM\)](#)

[Spill Prevention, Control and Countermeasures Plan \(SPCC\)](#)

[Henderson Operations Emergency Response Plans/Procedures](#)

[Waste Management Plan](#)

Step by Step Procedure

Environmental Department Must be Contacted

If any one of the items listed below is true, the Environmental department must be notified:

- More than one gallon of a non-petroleum product² or gasoline is spilled
- More than 10 gallons of a petroleum product³ is spilled
- The spill is on a permeable surface above ground
- The spill cannot be cleaned up before the end of shift
- The spill may enter a stream, pond, or other surface water body (*in the event of a release to any stream, pond or surface water body [Particularly, Water of the United States], rapid reporting is required, as additional reporting may be required within a very limited timeframe*)

Environmental Department Does Not Need to be Contacted

All of the items listed below must be true for the Environmental department not to be notified:

- Less than 10 gallons of petroleum products (except gasoline) is spilled
- Less than one gallon some other chemical (including gasoline) is spilled
- The spill is on an impermeable surface
- The spill will be cleaned up before the end of shift
- The spill will not enter any stream, pond, or other surface water body

Clean-up Methods

- Petroleum products should be cleaned up with an absorbent material such as floor dry or absorbent booms and pads. The oily floor dry, booms and pads should be placed in the trash if the absorbent material is not saturated (dripping or free, unabsorbed liquid). If the spill material IS saturated, please contain and contact the environmental department for further guidance.
- Other chemicals should be cleaned up according to their Safety Data Sheets and other requirements specified by the Environmental Department.

Spill Reporting

Any member of the environmental department can be notified when a spill occurs. The environmental department will decide if further reporting and/or notifications are necessary. When spill notification is required, the environmental department should be contacted as soon as possible.

Last Name	First Name	Office @	Office Number	Mobile Number	Email Address
Conley	Rob	Mine	720-942-3701	303-523-5937	robert_conley@fmi.com
Elliott	Lori	Mine	720-942-3415	720-334-9671	lori_elliott@fmi.com
Hamarat	Miguel	Mine	720-942-3255	303-476-3632	miguel_hamarat@fmi.com
Haynes	Tim	Mill	720-942-3518	970-216-5744	timothy_haynes@fmi.com
Koester	Whitney	Mine	720-942-3420	720-224-6706	whitney_koester@fmi.com

² Gasoline, paint, concrete accelerant, degreasers, cement, coagulant, antifreeze, epoxies, micon and other chemicals

³ Used oil, new oil, diesel fuel, hydraulic oil, grease

Parmet	Amber	Mill	720-942-3480	720-400-9459	amber_parmet@fmi.com
Siron	Mark	Mine	720-942-3405	720-862-5586	mark_siron@fmi.com
Ungers	Alex	Mine	720-942-3384	720-589-8205	alex_ungers@fmi.com

IF YOU HAVE ANY QUESTIONS REGARDING
THESE PROCEDURES, PLEASE CONTACT THE ENVIRONMENTAL DEPARTMENT

Revision History

Rev	Revision Summary
08/28/12	Comprehensive revision to entire procedure
11/1/12	Revision of "clean-up methods"
4/26/2013	Annual review/Addition of Environmental Department Contact Information
2/7/2014	Updated new phone numbers/added comment regarding limited timeframe to contact state or federal agencies as a result of any spills entering water of the United States
8/12/2014	Updated formatting/updated names
8/7/2015	Updated contacts

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Document Location: <https://fmweb.fmi.com/sites/ems/henderson/ERP/ERP.aspx>