

DEPARTMENT	OPERATING AREA
Environmental	Morenci
DOCUMENT NO.	DOCUMENT TITLE
BMP 207	Pressure Washers and Steam Cleaners

**Purpose and Scope:**

The Aquifer Protection Permit (APP) regulates pressure washers and steam cleaners that are used to wash vehicles and equipment. The improper management of these washers could lead to an unpermitted discharge to surface or groundwater. To prevent unpermitted discharges to surface or groundwater, facilities must be designed to meet the Best Available Demonstrated Control Technology (BADCT) and must be included in the Freeport-McMoRan Morenci Inc APP permit. Additionally, washing parts contaminated with grease, oil and other hazardous chemicals at un-permitted locations may result in improper disposal of those materials by leaving the residues on the ground.

**Definitions:**

Pressure Washers and Steam Cleaners-units that spray unheated and/or heated high-pressure water at low volumes (less than 5 gallons per minute).

**Responsible Parties:**

Site personnel

Environmental Department

**Specialized Tools/Skills/Training:**

Corporate Environmental Significant Risks

**Procedure:**

All **vehicles and mobile equipment** must be washed at one of the approved APP permitted facility.

Under no circumstances should vehicles or mobile equipment be washed in any areas other than the permitted wash racks listed in APP permit.

All cleaning agents used in either steam cleaners or pressure washers must be non-hazardous (i.e., biodegradable). For a list of approved cleaning agents refer to the Morenci SDS Database.

Prior to washing a piece of equipment, covered in oil and grease, it must be scraped and wiped to remove the bulk of the contaminated materials. Washing grease and oil from equipment that is too large for a permitted wash rack must be conducted in a manner to prevent any oil and grease from contaminating the soil and surface or groundwater. This can be accomplished by placing absorbent pads designed to shed water and absorb petroleum products beneath the piece of equipment to be washed. Alternatively, plastic sheeting can be placed beneath the piece of equipment to be washed. The equipment should be washed in a manner so that all contaminants land on the absorbent pad or plastic sheeting. All contaminated materials must be managed and disposed of according the procedures outlined in **BMP No. 308 – Used Grease, BMP No. 316 – Used Absorbents and Rags, and BMP No. 323 – Contaminated Soils.**

Washing activities that are permitted without special requirements include:

- Washing dirt and mud off a piece of equipment (excluding vehicles) prior to it being worked on.
- Washing tankhouse and tank farm floors where all solution reports directly to the SX/EW process.
- Cathode and anode washing in the tankhouses
- Washing dirt and mud from building floors and structure where no free liquid other than water are present.
- Washing of insulators on power lines.

- Washing of fuel docks located in the mine where wash water is immediately evacuated from containment following the wash event and deposited into the heavy-duty truck shop wash water collection facility; and
- Other activities approved by Environmental Services.

Washing activities that are not permitted at the wash racks include:

- Washing any material other than dirt and mud from equipment to include but not limited to:
  - Concentrate
  - Raffinate
  - Pregnant Leach Solution
  - Electrolyte
  - Lime
  - Chemicals including Hazardous

If you have any questions regarding the content of a sump, please contact the Environmental Services prior to cleaning the wash rack sump. Once characterization has been determined, Environmental Services will provide requesting department with guidance on how to manage the mud and residues.

Contact Environmental Services for guidance on the construction and maintenance of permitted wash facilities. Additionally, Plant Engineering must be involved in the design and construction of all permanent wash facilities and they will have to be included in Aquifer Protection Permit as a permitted facilities.

#### Records:

#### QUESTIONS OR NEED HELP?

Contact your Environmental Representative or Environmental Services at (928) 865-6000

Revision Date	Revision No.	Revision Description	Reviewer	Final Approver
5/18/2021	0	Original Document		
11/9/2022	1	Updated to current template	KRK	KRK
10/25/2023	2	Update Document No. and Title	DC	
6/2/2025	3	Update permit requirements	SR	DG