

DEPARTMENT	OPERATING AREA
Environmental	Morenci
DOCUMENT NO.	DOCUMENT TITLE
BMP 202	Wastewater Treatment Plants & Septic Systems

**Purpose and Scope:**

There are currently two wastewater treatment plants at Freeport-McMoRan Morenci Inc. (Morenci). These plants include the Plant Site (Morenci Townsite) and Metcalf Mine Shops Wastewater Treatment Plants.

In addition to these facilities, effluent from the Clifton wastewater treatment plant is conveyed to the Plant Site facility via the Clifton effluent pump station.

There are several septic systems in operation at Morenci in locations not serviced by the wastewater treatment plants.

**Definitions:****Responsible Parties:**

Maintenance Services Division-Pump/Field Repair

Environmental Department

**Specialized Tools/Skills/Training:**

All personnel related with the operation of Morenci waste water treatment system shall receive training or at the least have access to this Best Management Practice (BMP), Standard Operation Procedures (SOP) and/or Operations and Maintenance Manuals (O&M) when operating, maintaining or otherwise impacting wastewater treatment plant or septic systems on Morenci property.

The Supervisor and/or Department Environmental Representative will provide this BMP training to the workforce if applicable.

Corporate Environmental Significant Risks

**Procedure:**

The operational efficiency and general condition of the Plant Site (Morenci Townsite) and Metcalf Mine Shops wastewater treatment plants and Clifton effluent pump station is monitored on a daily basis by the Environmental Service and Pump & Field Service Departments.

All personnel working within the fence line or treatment facility must complete proper inoculation for specific diseases that are a potential health risk prior to entry. The Environmental Services Department is to be notified of any conditions which could adversely affect the proper operation of these facilities and any modifications or major repairs needed.

The Engineering Department will notify the Environmental Services Department of any plans to install or modify wastewater treatment facilities or septic tanks such that adequate time is allowed for securing any necessary permits or approvals.

The Environmental Services Department will monitor Morenci's overall compliance with applicable wastewater treatment regulations by monitoring operations of the treatment plants. The Environmental Services Department will manage and dispose of wastewater sludge.

Any changes, outside the daily scope of work, to the facilities must have a completed Management of Change (MOC) prior to commencing work.

**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
12/7/2006	1	Format change, footer added		
1/18/2008	2	PD logo replaced with FM logo. All PD language in document replaced with either "Freeport-McMoRan Copper & Gold Morenci Operations" or "Morenci". Questions section expanded to include contact names, phone & cell numbers.		
8/22/2012	3	Update division name within the text & add Jose Martinez name & number to Plant Eng contact info.		
5/6/2013	4	2013 review, no changes.		
8/21/2014	5	Updated contact information.		
10/23/2015	6	"Sewage" replaced with "Wastewater" throughout document. General Guidelines section - Paragraph1: removed "Maintenance Services Division" and replaced with "specified contractor". Paragraph3: removed "coordinate the proper" in last sentence. Employee Training section - added "Standard Operating Procedures (SOP) and/or Operation and Maintenance Manuals (O&M)". Questions section: add Manny Rodriguez contact information.		
10/27/2016	7	2016 review – no changes		
4/24/2017	8	General Guidelines section - added "All personnel working within the fence line or treatment facility must complete proper inoculation for specific diseases that are a potential health risk prior to entry." Contact section - replaced Manny Rodriguez and Wes Word with Harry Williams.		
10/4/2017	9	Format addition-single pg field. Replaced Brian Chronowski with Sal Robles.		
4/21/2020	10	Remove contact information.		
11/9/2022	11	Updated template; added MOC requirement to changes	KRK	
6/2/2025	12	Adding pump & field department and other minor updates	SR	DG