

DRIVEN BY VALUE



# Monthly Contractor Safety Meeting

July 2018

# INTRODUCTION

- Facilities
- Emergency Exits/Meeting Point
- Cell Phones
- Safety Share
- This months focus
  - Special Presentation
    - Rick Haswell from Southwest Energy
  - Environmental Share
  - Branch Safety Performance
  - Safety Notice
  - Contractors Safety Manual
    - Section 2.0 Emergency Action and Incident Reporting
    - Section 5.17.9 thru 5.17.9.6 Mobile Crane

# Freeport-McMoRan Inc. Public Portal

As of March 31, 2018, this site (<http://fcx365-public.sharepoint.com>) will be deleted.

The new site is <https://publicportal.fmi.com/>

Please update your bookmarks accordingly.

# Abrasive Blasting and Spray Painting



**Please notify Environmental Services at least 72 hours in advance of any spray painting or abrasive blasting project that is planned to commence on site.**

**Paint products and application method must be approved by Environmental Services prior to paint project execution. Abrasive blasting media and control methods must be approved prior to abrasive blasting projects. This should be done using the MOC process.**

**Except for architectural and spot painting, a spray painting log must be filled out for all painting activities.**

June 2018

# WHO DO I CONTACT WHEN I HAVE AN ENVIRONMENTAL QUESTION?



**When in doubt. Call an Environmental Services representative.**



**SPILL HOTLINE — (928) 865-7745**



**Environmental Administration Office — Christina Seballos — (928) 865-6000**

**Environmental Yard, Satellite Accumulation, Roll Offs & Hoppers — Cody Watkins — (928)-965-6928, Bobby Scott — (928) 965-1770**

**Asbestos & Lead, Air Quality — Shanna Holguin — (928) 965-0245, Waleed Sunna — (928) 215-5695, Sam Madan (928) 965-6030,  
Rob Walker — (928)-215-6422**

**Environmental ISO 14001 & Product Approvals — Ruth Chismar — (928) 215-5899 — Jon Anderson (928) 215-2730**



**Water Quality & Wild Life — Jim Hogan — (928) 965-0061, Dee Broadwell — (928) 965-3142, Jamie Aberle — (928) 215-0667,  
Leah Sunna (928) 215-2067**

**Asset Recovery & Morenci Transfer Station — Bobby Scott — (928) 965-1770**

**Environmental Administration Accounting & Contracts — Cheryl Wright — (928) 965-1785**





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**Make  
Safety  
Personal...**



# Contractor On-Boarding and Up-Dating

- Bryon Wiley, Estevan Varela and Chinenye Ifeanyi-Ileka – **Safety**
- Christina Seballos – **Environmental**
- Dusty Gatlin – **Training**
- Amanda Medina – **Contracts Administration**
- Gay Cole – **Contracts Management**



# FMMO Safety Departments/Contacts

## Processing

- Morenci Mill/Filter Plant/Moly Plant/CLP – **Cliff Mull**  
**928-965-2530**
- Metcalf Mill/Tailings– **Jessica Rodriguez**  
**928-965-6104**
- Hydromet – **Frank Maldonado**  
**928-965-0219**
- C&C –**Rachel Adams**  
**928-215-5720**
- Maintenance Services – **Deborah Kamba**  
**928-965-4035**
- Leaching – **John Koon**  
**928-215-0547**



# FMMO Safety Departments/Contacts

## Administration

- All Administration/Including Town-Site –  
Doug Jones 928-215-1795 &  
Bryon Wiley 928-965-3540
- Industrial Hygiene – Chineye Isichei  
928-965-0824

# FMMO Safety Departments/Contacts

## Mine

- Resource Management/Fragmentation/Elect Shop – **Trent Mitchell**  
**928-215-6000**
- Mine Shops – **Garrit Culver**  
**928-965-4890**
- Loading Support/Shovel & Drill/Fab Shop – **Danny Leyvas**  
**928-965-0292**
- Haulage – **Robert Franco**  
**928-965-0198**



## 3 Prioritized Safety Goals

*1. Prevent Fatalities*

*2. Reduce Incident Severity*

*3. Improve Continuously*


# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

### 2.1 General Procedures

In the event of a serious injury, immediately activate the site emergency response system, maintain scene safety and trained contractor personnel should render first aid to any incident victims. Contractor personnel shall immediately contact the Freeport-McMoRan Safety Department, and the Freeport-McMoRan project manager. Freeport-McMoRan senior management will address any media inquiries or announcements and make other decisions critical to the overall site.





# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

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### 2.1 General Procedures

Emergency telephone numbers shall be posted at all contractor lunchrooms and meeting locations as well as where there may be a hardline available.

If an incident requires immediate notification to government agencies, the area must be secured and nothing disturbed or removed after evacuation of the injured employee until approval from all Government Agencies, and Freeport-McMoRan representatives is received. The area can only be released by the owner.



# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

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### 2.2 Incident Reporting

- All employees shall promptly report any incident (including near-misses), no matter how slight, to their supervisor. All incidents shall also be reported to the Freeport-McMoRan Safety Department immediately.

# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

### 2.2 Incident Reporting

- Incidents of a serious nature may require “immediate” notification to government agencies. It is the responsibility of each contractor to ensure its leaders identify what incidents require “immediate” notification and maintain a list of numbers of who must be notified, and the time limits required (15 minutes in some cases with MSHA). If time permits a brief call to Freeport-McMoRan representatives will be made prior to notifying agencies such as MSHA. In some cases the site may make the call to the agency. Check with local site H&S for site-specific requirements.


# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

### 2.2 Incident Reporting

- A completed “Incident Reporting Form” must be provided to the Freeport-McMoRan site Safety Department within 24 hours of all injuries, regardless of severity. Contractor needs to coordinate record information and details of an incident using the site Incident Report form.






# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

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### 2.2 Incident Reporting

- Failure to promptly report a workplace injury, illness or significant event may result in cancellation of the contract.



# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

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### 2.2.1 Monthly Frequency Report

All contractors shall provide to the Freeport-McMoRan site Safety Department, Project Manager or his/her delegate a monthly safety summary for results occurring on the project, which must include the following:

# Contractors Safety Manual Part 1

## Section 2.0 Emergency Action and Incident Reporting

### 2.2.1 Monthly Frequency Report

- Number of lost time/restricted duty injuries
- Number of medical treatment injuries
- Number of occupational illnesses
- Number of first aid injuries
- Number of hours worked by contract personnel (Note: Hours and injuries reported must be specific to the location where contract work is being completed).
- Fire incidents o Vehicle equipment damages o Property damages
- Monthly summary reports will be due no later than the 5th of the following month
- (Note: These reports are to be site-specific, not company-wide data)

# Contractors Safety Manual Part 1

## 5.17.9 Mobile Cranes





# Contractors Safety Manual Part 1

## 5.17.9.1 Operator Qualifications

- Crane operators shall comply with site requirements to operate a crane.
- Crane operators who possess a nationally recognized license or certificate will be required to provide evidence of their training, qualifications and competence prior to arrival on site. In any case, the operator shall have a current, applicable written documentation of training for the category of equipment being operated.

# Contractors Safety Manual Part 1

## 5.17.9.1 Operator Qualifications

- Crane operators shall document a recent physical examination, including a vision test, prior to applying for a project crane operator license. (Note: The D.O.T. Physical forms meet the above requirements and may be used as a guideline.)



# Contractors Safety Manual Part 1

## 5.17.9.1 Operator Qualifications

- In order to receive a project crane operator license, an applicant must be able to pass a written test that includes, at minimum, the following elements:
  - Crane Set-up
  - Reading Load Charts
  - Calculating capacities at a given radius
  - Calculating deductions for rigging, block, jib, etc.
  - Proper Crane Operation
  - Rigging and Rigging Inspection
  - Evaluating Site Conditions
  - Pre-Operations Inspection

# Contractors Safety Manual Part 1

## 5.17.9.1 Operator Qualifications

- Potential candidates for crane operator shall be able to pass a “hands on” test that includes the following skills:
  - Perform Pre-Operation inspection
  - Set crane up for a lift
  - Inspect rigging
  - Operate crane and show ability to follow hand signals (i.e., swing boom, place hook, etc.)
  - Ability to read load chart and calculate load
  - Perform a test lift
  - The “hands on” test shall be documented and results made available upon request.

# Contractors Safety Manual Part 1

## 5.17.9.2 Operating Procedures

- The operator shall not engage in any practice that may divert his or her attention while engaged in crane operations, and will never leave the controls when there is a load on the hook.
- The operator shall not operate the crane if physically or mentally unfit, or if taking prescription drugs which may affect judgment.
- The operator shall not respond to any signal that is unclear or is given by anyone other than the appointed signal person (with the exception of a stop signal given by anyone).

# Contractors Safety Manual Part 1

## 5.17.9.2 Operating Procedures

- The operator shall have final responsibility and control over the crane operations. When there is any doubt as to safety, the operator shall have the authority to stop and refuse to handle the loads until safety has been assured. **Any manager, supervisor or person attempting to bypass the crane operator's authority on this issue will be removed immediately from the site.**

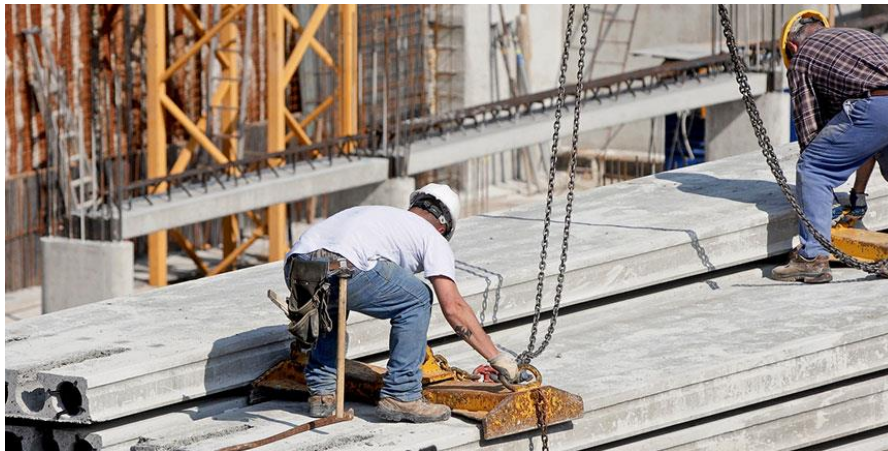




# Contractors Safety Manual Part 1

## 5.17.9.2 Operating Procedures

- The load shall be attached to the hook by means of slings or other approved devices, and **no open hooks shall be used. Hooks shall have functional safety latches.**
- A shackle shall be used to retain two or more choker eyes in the hook where the hook is not so designed to attach multiple rigging components.



# Contractors Safety Manual Part 1

## 5.17.9.2 Operating Procedures

- Hooks shall not be changed, defaced or deformed in any manner. Hooks that have been exposed to excessive heat such as welding, burning, grinding, etc. will not be allowed on-site.
- The operator shall position the hook over the load in a manner to prevent load swing.
- **The operator shall** determine that the rope is properly seated in the drum and in the sheaves; the load line is not kinked; and multiple part lines are not twisted around each other.

# Contractors Safety Manual Part 1

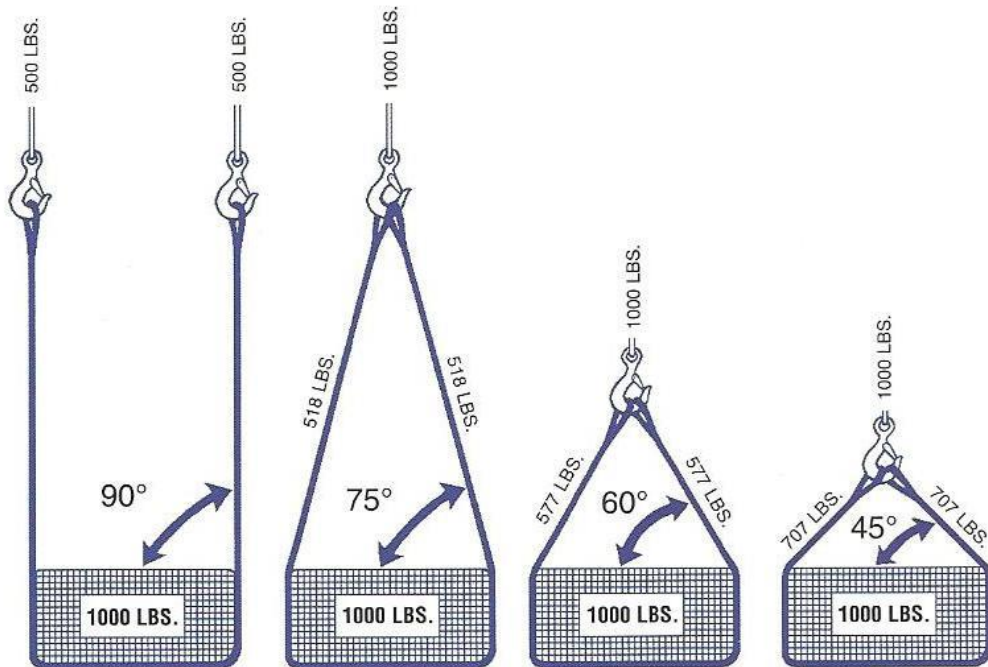
## 5.17.9.2 Operating Procedures

- Shake out hooks will be used only for shaking out materials.
- During hoisting, the operator shall not suddenly accelerate/decelerate a moving load; allow the load to contact any obstructions; swing loads over personnel; or allow side loading or load dragging.
- All load rigging equipment shall be appropriately rated. Ratings shall be displayed on the device.

# Contractors Safety Manual Part 1

## 5.17.9.3 Rigging Requirements

- Rigging will only be completed by competent individuals who have received training on proper rigging techniques. Evidence of such training must remain with riggers during working hours.



# Contractors Safety Manual Part 1

## 5.17.9.3 Rigging Requirements

- All rigging equipment shall be inspected prior to each use. Damaged or defective slings shall be immediately removed from service and destroyed.
- “Shop-made” grabs, hooks, clamps or other lifting devices are prohibited.
- All rigging equipment shall have a safety factor of five.

# Contractors Safety Manual Part 1

## 5.17.9.4 Safe Operating Practices

- Slings shall not be shortened by knots, bolts or other makeshift devices.
- Wire rope slings shall be padded or softeners used to protect against damage due to sharp corners.
- Slings used in a basket hitch shall have the loads balanced to prevent slippage.



# Contractors Safety Manual Part 1

## 5.17.9.4 Safe Operating Practices

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- Loads handled by slings shall be landed on cribbing or dunnage so that slings will not be pulled from under or crushed by the load.
- Slings subjected to shock loading shall be immediately removed from use and destroyed.



# Contractors Safety Manual Part 1

## 5.17.9.4 Safe Operating Practices

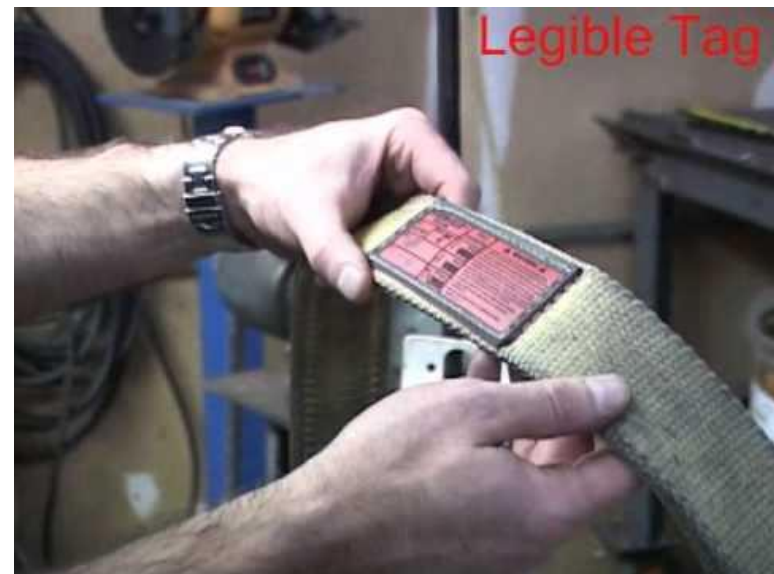
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- Tag lines will be used with all lifting operations.
- **Repair to rigging equipment is prohibited.** It shall be removed from service and destroyed or sent to the manufacturer for repair.

# Contractors Safety Manual Part 1

## 5.17.9.5 Inspections and Recordkeeping

- A thorough written inspection of slings, ropes and chains in use shall be made on a regular basis, but not less frequently than six months.
- A record of inspections shall be maintained.



## 5.17.9.6 Work Platforms Suspended from Cranes

A permit is required prior to using a crane for lifting personnel in a suspended platform. The platform must be certified by a professional engineer. The permit will be issued by the contractor when it is determined that the use of the platform is the only feasible method of accomplishing the task. The safety checklist included with the permit will be utilized prior to hoisting personnel. A pre-lift meeting must take place prior to the lift and be documented. Fall protection must be in place according to regulatory and FCX Working at Heights Policy. Personnel and materials cannot be lifted together.

# 2018 Meeting Schedule

2018 Contractor Monthly Safety Meeting Schedule  
Freeport Morenci

Meeting Dates	1/8/2018	2/12/2018	3/12/2018	4/10/2018	5/1/2018	6/12/2018	7/10/2018	8/14/2018	9/11/2018	10/9/2018	11/13/2018	12/11/2018
Time	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am	10am to 11am
Place	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall	Morenci Club Hall