

September Contractor Safety Meeting

Bryon Wiley

Health & Safety Specialist

September 10, 2019



**PROVEN ASSETS.
FUNDAMENTAL VALUE.**

Meeting Agenda

- **Safety Share**
- **Emergency Exits/Meeting Point**
- **Cell Phones**
- **Facilities**
- **This months focus**
 - **Special Presentation – Rory Wilson and Richie Hawkins**
 - **Branch Performance**
 - **Environmental Share**
 - **Compliance Audits**
 - **New LOTOTO FCX One-Page Policy**
 - **Contractor Monthly TRIR Report**

Welcome Rory Wilson and Richie Hawkins Ames Construction

September 2019



Questions? Or need
more information call:
Environmental Services
928 865-6000

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 by the requestor. A log can be obtained from the Environmental Services from the Air Quality Group.



FREEPORT-McMoRAN

Morenci Safe Production Communication
September 4, 2019

Without Lost Time Injury: 12 Days 474,687 Hours Worked YTD Total Injuries 300
 Without RD/MT Injury: 10 Days 411,395 Hours Worked YTD Total Reportable Injuries 88

Reportable Injury Rate (TRIR)				Lost Time Injury Rate (LTIR)				Property Damage Rate (PDIR)				Monitor & Actionable Events			
MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling
0	88	28	2.00	0	17	5	0.54	1	556	133	9.97	0	17	8	0.46
0.00	2.35	2.72		0.00	0.45	0.49		2.11	14.83	12.93		0.00	0.45	0.78	

Incident Review

Date	Incident	Organization	Fatal Risk	Short Description
9/3/2019	First Aid	Processing	No Fatal Risk	An employee picked up a 10" 90 degree bent pipe weighing approximately 80lbs from the floor onto a work table and felt pain in their chest.

As a branch we are doing a great job reducing the HEHI type incidents by focusing on the **Critical Controls** that are in place or should be added for **HEHI type of tasks**.

We should keep doing this and not get complacent however, it seems that some of the **housekeeping/compliance** type issues have been somewhat neglected.

We are asking that all groups here at Morenci re-focus on this area.

Compliance

The little things add up and the non-compliance becomes the norm.

Flammables should always be stored in a flammable cabinet



Compliance

Non-Compliance becomes the norm;

Electrical cabinet needs warning sticker w/voltage indicated. ALSO, if there is exposed energized parts behind this door, it should be locked.



Compliance

Non-Compliance becomes the norm;

Even the little battery chargers need to have a continuity check.



Compliance

Non-Compliance becomes the norm;

Un-labeled chemical containers will get you a citation every time.



Compliance

Non-Compliance becomes the norm;

Don't forget to check the ANNUAL service date on the fire extinguishers.



Compliance

Non-Compliance becomes the norm;

Un-labeled chemical containers will get you a citation every time.

NOTE:

If it is in your work area,,,,, you are responsible



Compliance

Non-Compliance becomes the norm;

A park brake that is not set will get you a citation every time.



Compliance

Non-Compliance becomes the norm;

Flammables in a welding shop.



Compliance

Non-Compliance becomes the norm;

**Material storage –
They must be secured**



Compliance

**Non-Compliance becomes
the norm;**

**Unsafe Access will get you
a citation every time.**

**Good housekeeping can
prevent this.**



Compliance

Non-Compliance becomes the norm;

Unsafe Access will get you a citation every time.

ALSO: this may become a fire hazard in the winter time.



Compliance

Non-Compliance becomes the norm;

Unsafe Access will get you a citation every time.

ALSO: this may become a fire hazard in the winter time.



Compliance

Compliant becomes the norm;

Safe Access/Clear Walkways



Compliance

**Non-Compliance becomes
the norm;**

**Fire extinguishers must
have clear access.**

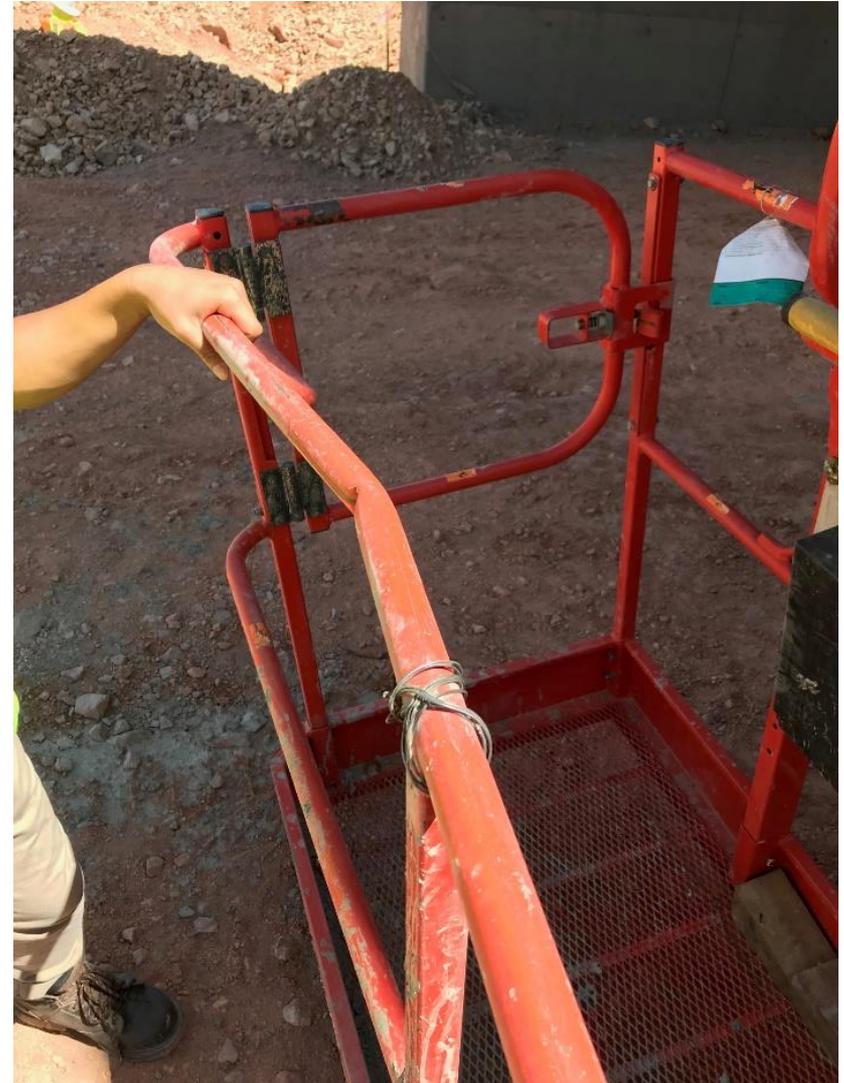


Compliance

Non-Compliance becomes the norm;

Verify that thorough pre-op equipment inspections have been done.

Guaranteed citation here



Compliance

Non-Compliance becomes the norm;

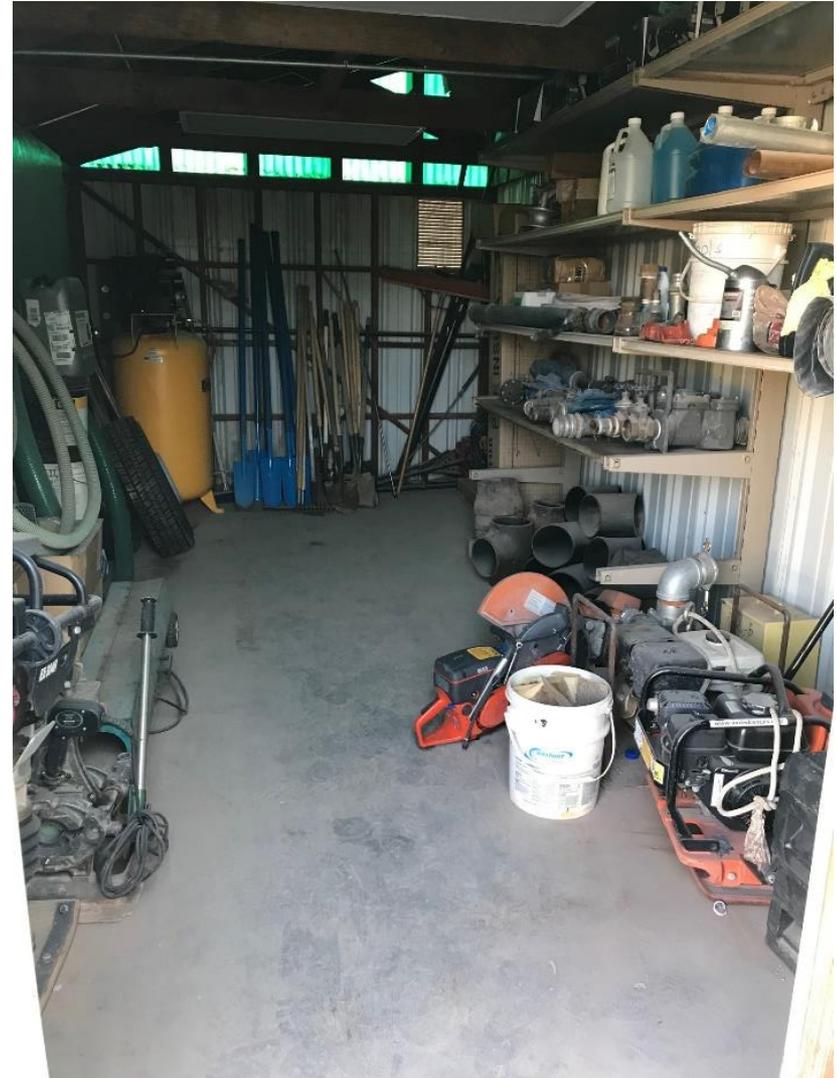
Dwelling (porta-potty) access areas should not have mobile equipment running close by.



Compliance

Compliant becomes the norm;

Safe Access/Clear Walkways



Compliance

Non-Compliance becomes the norm;

Blocked egress will get you a citation every time.



Compliance

Non-Compliance becomes the norm;

Housekeeping issues should be addressed during and after each task.



Compliance

Compliant becomes the norm;

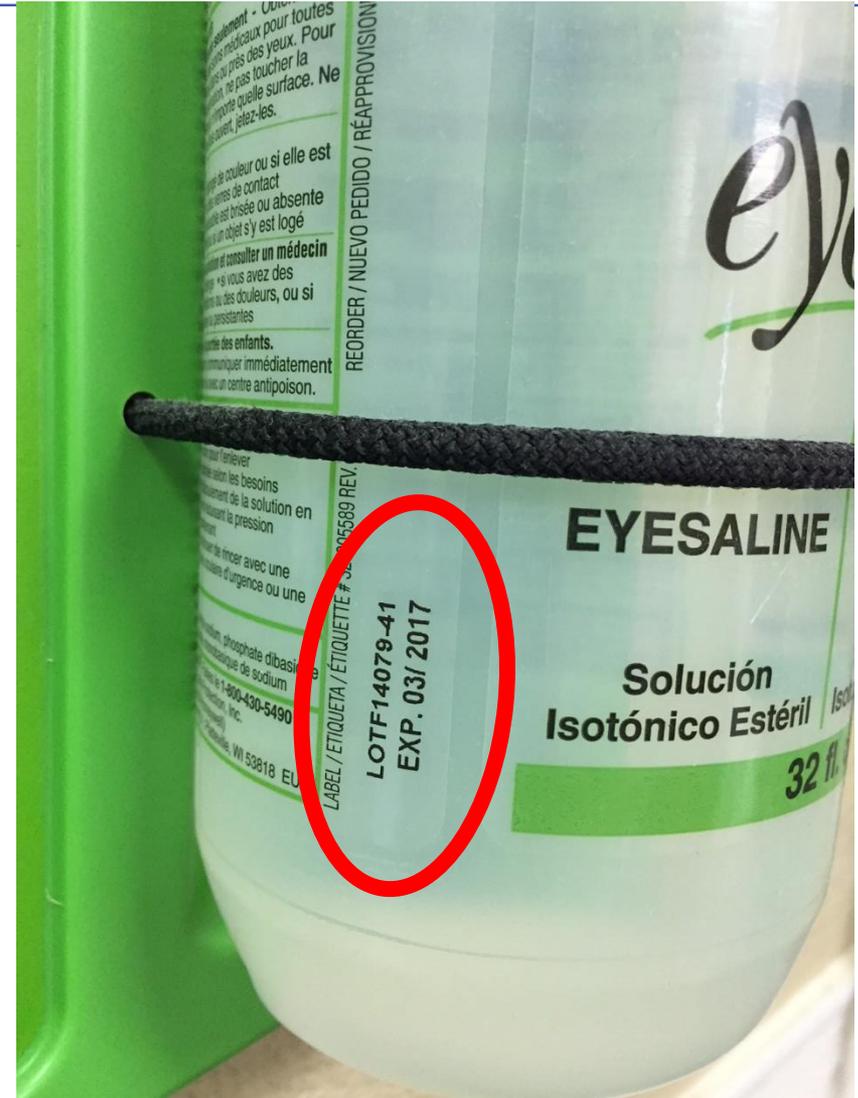
We must verify that power hand tools have been inspected and are in good working order (especially the guards).



Compliance

Non-Compliance becomes the norm;

First aid supplies must be kept up to date.

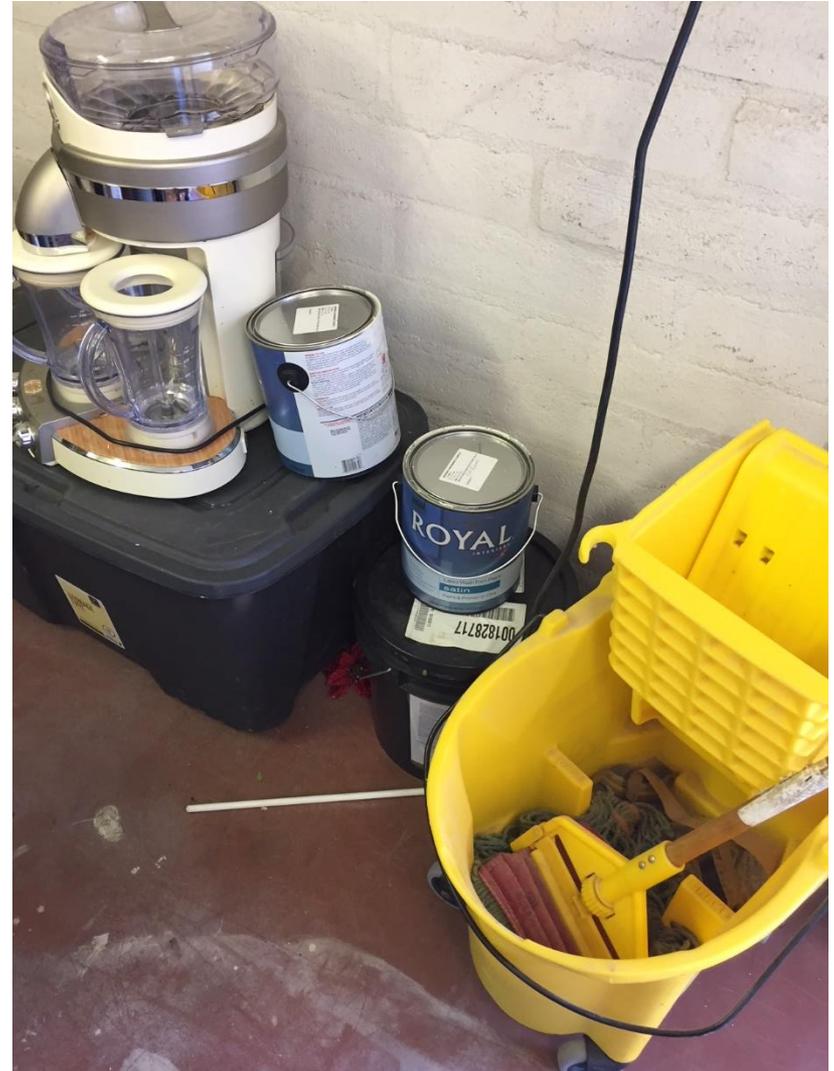


Compliance

Non-Compliance becomes the norm;

Housekeeping must be a priority.

We as a branch have a goal for housekeeping citations **ZERO**



Compliance

Compliant becomes the norm;

Safe Access/Clear Walkways



Compliance

Non-Compliance becomes the norm;

Un-labeled chemical containers will get you a citation every time.



Compliance

**Non-Compliance becomes
the norm;**

Missing Guards



Compliance

Non-Compliance becomes the norm;

Cut-Outs and holes in electrical cabinets.

Immediate Citation



Compliance

**Non-Compliance becomes
the norm;**

Damaged guages

Immediate Citation



Compliance

Compliant becomes the norm;

Tag It Out-Of-Service!

A good practice is to have plenty of “Out of Service” tags available.

It’s either that or, you get it off site/throw it away



Compliance

Non-Compliance becomes the norm;

Ensure berms are adequate



Compliance

**Non-Compliance becomes
the norm;**

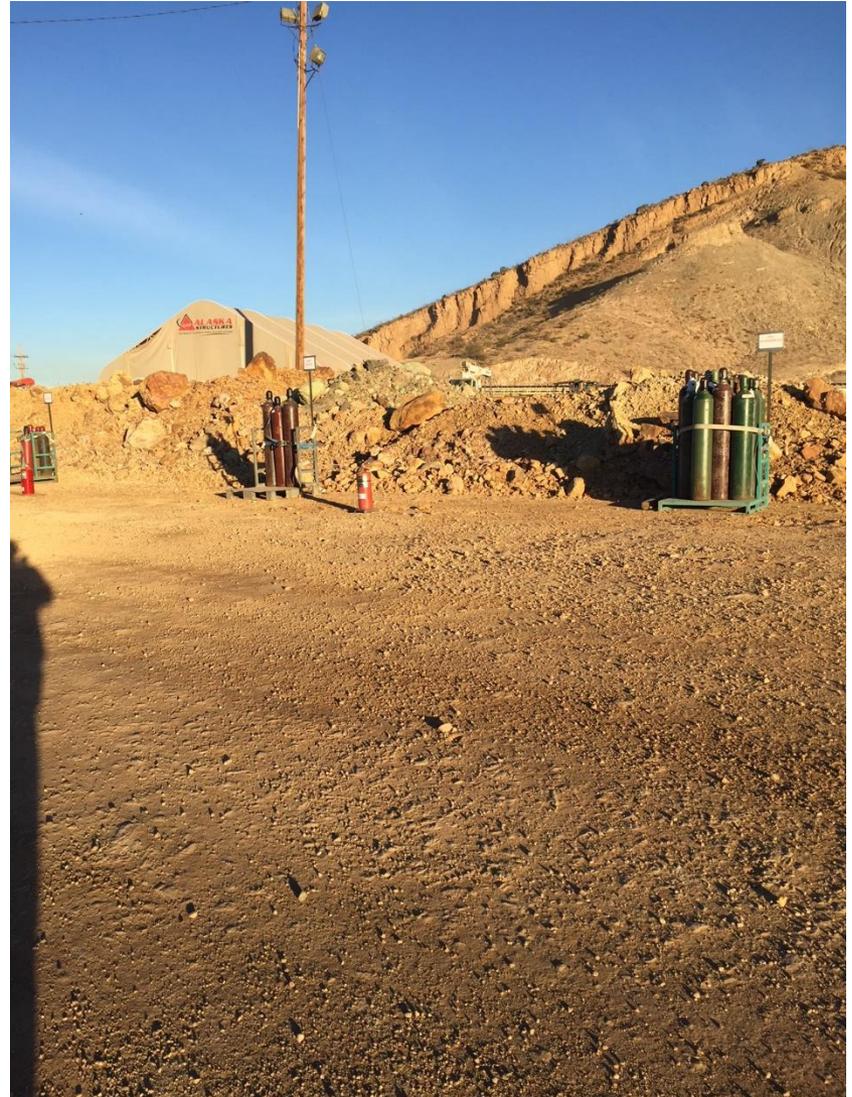
Un-protected welding ports



Compliance

Compliant becomes the norm;

Very good housekeeping

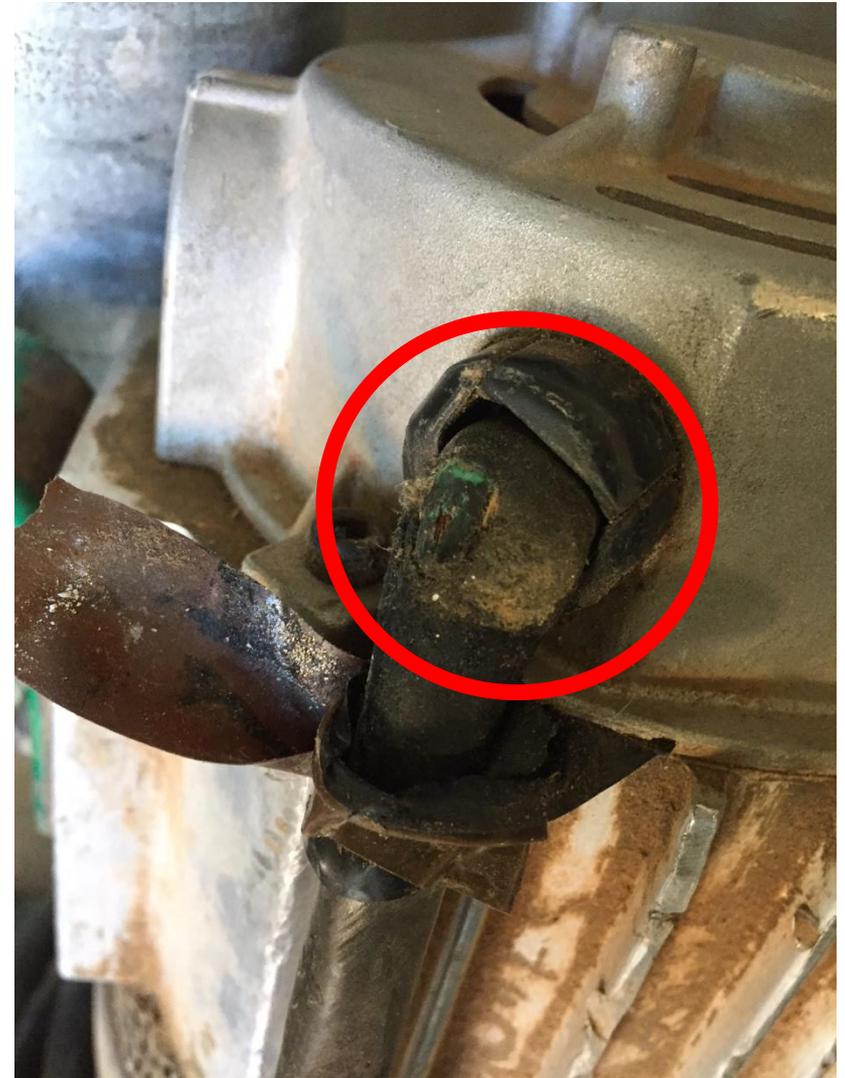


Compliance

Non-Compliance becomes the norm;

Damaged outer electrical cable insulation.

Yep, Citation



New One Page Policy

- The new one page policy on Control of Hazardous Energy was rolled out yesterday 9/9/2019 to the Safety Department.
- If you would like to have an electronic copy please contact Tammy Smith at tsmith2@fmi.com and one will be sent to you.
- If you have any questions pertaining to the new policy please contact: Bryon Wiley at 928-965-3540 or bwiley@fmi.com or Tammy Smith at 928-215-9763 or tsmith2@fmi.com.

Control of Hazardous Energy



Control of Hazardous Energy Policy

Health and Safety FCX-HS04 | Release Date 8/5/2019

POTENTIAL FATAL RISKS

Uncontrolled Release of Energy

CRITICAL CONTROLS

Blocking for Maintenance Work
Guards, Barriers and Barricades
Energy Isolation/LOTOTO
Pipe Management
Hose Coupling Locking Systems
Pipe/Hose/Equip. Mechanical Integrity
Relief Valves
Tensioned Lines Management
Tire Management

POTENTIAL ENERGY SOURCES

Atmospheric	Chemical
Electrical	Electromagnetic
Gravitational	Hydraulic
Kinetic	Mechanical
Pneumatic	Residual
Stored	Thermal

FORMS AND SUPPLEMENTS

LOTOTO Technical Supplement
ECC Form
Energized Work Permit
Non-Routine Lock Removal form

TRAINING REQUIREMENTS

Initial
Annual Refresher
Task training to written procedures
New equipment/processes
Remedial as necessary

POLICY

OVERVIEW

Identify and isolate, eliminate or control all potential sources of energy when there is the possibility of exposure while performing work (i.e. inspection, installation, calibration, maintenance, etc.). Verify that controls are effective. This policy applies to all employees and contractors on FCX operating sites.

ACTIONS TO STAY SAFE

1. Plan the activity to be performed
2. Identify the potential sources of hazardous energy
3. Eliminate, isolate or control each source
4. Dissipate residual energy
5. Verify controls are effective and tryout

Follow hazardous energy control procedures for each piece of equipment, system or process. Procedures must include steps for verification of control.

Stop the job when scope of work changes or controls are ineffective.

Isolate at the source whenever possible, or use other methods to ensure zero energy (i.e. double block/bleed, blind, air gap, blocking, etc.)

Plan:

- Understand the full scope of the work and all tasks associated.
- Identify all personnel roles and responsibilities, tools, hazards, isolation points, isolation devices, prior to starting work.
- Consult SOPs or JSAs prior to performing work.

Identify Sources:

- Use most recent drawings, prints, etc. for identifying sources of hazardous energy.
- Ensure lines/breakers/valves etc. are properly labeled/identified; contact responsible parties or consult relevant documentation.

Eliminate, Isolate and Control:

- Verify that the correct isolation points are isolated for each type of hazardous energy identified.
- Use appropriate devices for the source.
- Follow de-energization procedures in FCX-HS03 Electrical Safety for electrical de-energization.

Dissipate Residual Energy:

- When zero energy cannot be accomplished, install controls to reduce or eliminate exposure to the energy source. Complete Energized Work Permit.

Verify Controls and Tryout:

- Ensure zero energy and attempt to restart the equipment.
- Do not confuse process interlocks with energy isolation or use for tryout.
- ECC or Authorized Individual and Project Manager or delegate must visually confirm non-routine energy isolation prior to performing work in the absence of SOPs.

Energized Work (Commissioning, Testing, Calibrating, Troubleshooting, etc.)

- Hazardous energy control procedures may not apply, but complete a documented safety analysis/risk assessment.
 - Understand the process for start-up and potential for exposure to self and others.
 - Develop a communication plan for these activities.
 - Evaluate new controls and verify existing controls.
 - When guards and barriers are removed (or interlocks bypassed) for troubleshooting/testing and calibration, other controls must be in place to prevent exposure.
 - When work is performed on energized equipment, follow specific documented guidelines and procedures.
 - When other bypass devices are installed, and equipment is energized while performing work, follow specific documented guidelines and procedures for installation, use and removal of bypass devices.
 - Conduct pre-operational inspections prior to start up.
 - When testing or positioning machines or equipment:
 - Clear the area of unnecessary personnel, tools and materials
 - Install flagging or barricading, reference FCX-HS19
 - Remove energy control devices as specified in procedures
 - Energize and proceed with testing or positioning
 - Prior to performing additional maintenance, de-energize, isolate from potential sources and reapply energy control devices
- #### ENERGIZED WORK PERMIT
- When possible exposure to hazardous energy exists, but the equipment must remain energized to perform work, complete an Energized Work Permit.
 - For routine work, where an SOP exists, the Energized Work Permit is valid for one year, and should be kept with the SOP as a part of the record. The SOP must be reviewed prior to performing the work.
 - Electrical troubleshooting and testing is excluded from the permit requirements, reference the Electrical Safety Policy TS for Energized Electrical Work.
 - If there is no Superintendent on site, the delegate may authorize the work in his/her place.

Shift Change

- Procedures for shift change must be documented.
- Ensure integrity of isolation devices prior to turn-over.
- Use ECC procedures if necessary.
- Remove personal locks and tags if work is complete and equipment is in a safe condition.

Access and Verification

- If an Authorized Individual joins after verification of isolation has taken place, they must contact the other Authorized Individuals or ECC (if used) to confirm equipment is isolated and has been verified/tested.
- All Authorized Individuals retain the right to verify isolation by clearing the area and attempting to start the equipment.
- When access to isolation devices is limited (e.g. inside a restricted area), Authorized Individuals will be escorted by a Qualified Individual, or the ECC process will be used.

Non-Routine/Emergency Work

- During emergency work and when an SOP is not available, planning for energy control must include:
 - an inventory of identified hazardous energy sources,
 - determination of isolation/control devices,
 - assignment of responsible persons, including Qualified Individuals and ECC if necessary,
 - field verification of the application of the control devices.
- Document this information and evidence of the verification. Documentation may be a JSA if there is not existing documentation in place.

Control of Hazardous Energy cont.



Technical Supplement

Control of Hazardous Energy – LOTOTO | FCX-HSX04 | Release Date 08/05/2019

OVERVIEW

Lockout Tagout Tryout (LOTOTO) is the preferred method of energy control in most situations. Only Qualified Individuals may perform hazardous energy isolation. Each Authorized Individual will place their personal lock on each energy isolation device or group lockout device. When Authorized Individuals are not able to apply locks and tag to the energy-isolating device, an (Energy Control Coordinator/Process) ECC will be used. Cord and plug equipment is excluded if plug is under direct control. Follow non-routine lock removal procedures for abandoned locks. Reference FCX-HS03 Electrical Safety, for de-energization and grounding information.

EFFECTIVE LOTOTO

- LOTOTO Process**
1. Plan the work
 - Understand the scope of work
 - Identify sources of hazardous energy
 - Identify Qualified Individuals
 - Select appropriate controls
 2. Notify
 - Equipment/system owner
 - Affected individuals
 3. Qualified Individual shutdown equipment/systems
 4. Isolate/Eliminate hazardous energy sources
 5. Lock and Tag
 - Individual/Group
 - ECC process
 6. Release stored/residual energy
 7. Verify effectiveness of controls
 - Verify zero energy from all sources and
 - Tryout- attempt to restart all locked aspects of the equipment

Restarting Equipment/Systems

1. Inspect the area
 - Persons, tools and equipment have been removed
 - Guards and other safety devices have been reinstalled
 - Equipment is operationally intact
2. Remove all locks
3. Notify
 - Equipment/system owner
 - Affected individuals
4. Qualified Individual restore energy according to procedures

LOCKS AND TAGS

- Locks (LOTOTO)**
- Uniquely identifiable for energy control
 - Single keyed
 - Only used for energy control
 - Standardized within the facility
 - Not easily defested
 - ECC locks will be single keyed
- Tags:**
- Withstand 50lbs (23 kg) of force
 - Identify the individual by first and last name
 - Include appropriate contact info/method
 - ECC tags will say ECC
 - Legible
 - Withstand exposure to conditions (acid, weather, etc.)
 - Include a warning statement
 - Standardized within the facility

- Out of Service Locks and Tags:**
- Never used for the control of hazardous energy
 - Applied when equipment is deemed unsafe
 - Used to protect machines and equipment from damage due to accidental start-up
 - Visibly different from LOTOTO
 - Tags will have "out of service" or similar message

<p>Authorized Individual</p> <ul style="list-style-type: none"> • Individual who locks and tags isolation devices for equipment to perform service or maintenance. • Performs work on the equipment that is locked out. • Must place their own locks and tags. • Must maintain control of the key to their lock. • Responsible for returning equipment to serviceable condition prior to removing any energy isolation device or lock. • Support ECC as needed. 	<p>Affected Individual</p> <ul style="list-style-type: none"> • Individual whose job requires them to use equipment that is being serviced or maintained under LOTOTO. • Do not perform work on the equipment that is locked out. • Includes personnel in the area who are not performing work on the equipment. 	<p>Qualified Individual</p> <ul style="list-style-type: none"> • Individual who may or may not be working on the lock out, but has the qualifications to perform energy isolation for the specific system being de-energized. • Ensure safe procedures for shutdown, isolation, and energy release are followed. • Responsible for verifying effectiveness of energy isolation and conducting tryout. • Support ECC as needed.
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Energy Control Coordinator (ECC) Process

Each person has the right and responsibility to verify control of hazardous energy with ECC, Qualified Individuals or supervision. When an Authorized Individual joins a group lockout in process, they must apply their personal locks and tags to the group lockout device and read and understand the ECC form and make contact with the ECC. The ECC, along with the Qualified Individual isolates and locks all hazardous energy sources using ECC locks and tags. ECC keys are placed in a group lockout device, along with another ECC lock and tag. Only the ECC key for the group lockout device may be handed over using specific procedures for shift changes. The ECC lock is not the same as the personal lock and the ECC must still apply their personal lock and tag to the group lockout device if they are performing work on the system/equipment. Multiple ECCs may be necessary for complex work.

Energy Control Coordinator Will:

Be assigned by supervision and have full responsibility for the lockout process. Be trained and competent in the ECC process and have a working knowledge of the system being isolated. Lead hazardous energy source identification process with support from Qualified and Authorized Individuals. Understand the plan for the shutdown and hazardous energy control. Manage interactions with other affected groups/individuals. Identify Qualified Individuals to conduct Control of Hazardous Energy, and understand the role of the ECC and others. Maintain a list of energy control points and responsible parties, Qualified and Authorized Individuals. Maintain integrity of hazardous energy control with support from Qualified and Authorized Individuals. Manage shift changes using specific, documented procedures. Release system back to operations with support from Qualified and Authorized Individuals. Place the first lock on, and remove the last lock from the group lockout device.

Energy Control Coordinator Transfers:

Incoming ECC will add their information to the ECC form. Outgoing and Incoming ECC will verbally confirm details of the work and lockout, and may visually confirm lockout devices in use. Incoming ECC will assume responsibility of the lockout process once they take possession of the key, and put their contact information on the ECC tag. Outgoing ECC will remove their personal lock from the group lockout device before leaving the area. The ECC form will be kept with the lockbox unless ECC is actively being transferred. No new Authorized individuals will join the LOTOTO in process until the ECC transfer is complete and form has been returned. Work can continue by Authorized Individuals who have already signed the Individual Lockout Roster while ECC transfer is in process.

Non-Routine Lock Removal

When the Authorized Individual is not available to remove a device or the owner of a lock out device cannot be identified, that device may be removed. Always follow the non-routine lock removal form.

ROLES AND RESPONSIBILITIES

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Energy Control Coordinator form



F&M
FREEPORT-
McMORAN

Energy Control Coordinator (ECC) Form Control of Hazardous Energy | FCX-H504

This form must stay with the job for the duration of the job and can only be removed during ECC transfer or after the job is complete. Replace only the Individual Lockout Roster after each shift.

ECC NAME	PRIMARY SYSTEM
ECC CONTACT INFO	START DATE END DATE
ECC SUPERVISOR	LOCK BOX IDENTIFIER
REASON FOR LOTOTO	

***** WARNING: If the equipment is NOT listed here, it is not locked out! *****

EQUIPMENT					
List all Equipment Secured by the ECC device(s) including ID number	Included & Verified (ECC Initials)	Name of the Qualified Individual who ISOLATED the energy source(s)	Date Lock APPLIED	Name of the Qualified Individual who RELEASED/DISSIPATED the energy source(s)	Date Lock REMOVED
			// //		// //
			// //		// //
			// //		// //
			// //		// //
			// //		// //
			// //		// //
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			// //		// //
			// //		// //

ECC TRANSFER (IF APPLICABLE, SEE PAGE 2 FOR DETAILS)					
ECC Name	SHIFT	Date	ECC Name	SHIFT	Date
1.		// //	6.		// //
2.		// //	7.		// //
3.		// //	8.		// //
4.		// //	9.		// //
5.		// //	10.		// //

ECC LOCKOUT RESPONSIBILITIES	
When utilizing an ECC lock box each step below must be completed and initialed by the original ECC during the equipment lockout process. Initial below.	
<input type="checkbox"/>	Does the ECC understand the scope of work to be completed?
<input type="checkbox"/>	Have all of the hazardous energy sources, related to the work being conducted, been identified and isolated or controlled according to proper procedures?
<input type="checkbox"/>	Has a lock and ECC tag been placed on all the energy isolation points and is there a legible name printed on each one?
<input type="checkbox"/>	Has all stored/residual energy been released?
<input type="checkbox"/>	Has the Qualified Individual/ECC verified the effectiveness of controls (Try Out) on the equipment and assured all stored energy is released?
<input type="checkbox"/>	Have ALL the energy isolation keys been placed in the lock box?
<input type="checkbox"/>	Has the ECC placed a lock and tag indicating their name and labeled as ECC on the lock box?

INDIVIDUAL LOCKOUT RESPONSIBILITIES	
Only after the above steps have been completed shall any individual attempt to join the LOTOTO. This includes the ECC's personal lock if the ECC is going to perform work. An individual must attach their personal lock and tag to the energy isolation device and read and understand the ECC form. Make contact with the ECC or project superintendent before placing locks. Before signing read the form to ensure that the equipment you are working on is identified.	

ECC TRANSFER (IF APPLICABLE)	
ECC Transfer signature area is on page 1.	
The Incoming ECC will place their name on the ECC Transfer only after Outgoing and Incoming ECC have verbally confirm details of the work and lockout, and conduct a walk-down of the lockout devices in use if necessary.	
Incoming ECC will assume responsibility for the lockout process once they take possession of the key and put their earned information on the form. The Outgoing ECC will remove their personal lock from the group lockout device before leaving the area.	
The ECC form will be kept at the lock box unless ECC is actively being transferred. No new Authorized Individuals will join the LOTOTO in process until the ECC transfer is complete and form has been returned.	
Work can continue by Authorized Individuals who have already signed the Individual Lockout Roster while ECC transfer is in process.	

ECC RETURN TO SERVICE RESPONSIBILITIES	
When utilizing an ECC each step below must be completed and initialed by the current ECC during the equipment release process. Initial below.	
<input type="checkbox"/>	Prior to returning to service, inspect the area for persons, tools and equipment that must be removed. Ensure all guards and safety devices have been installed and equipment is operationally fitted.
<input type="checkbox"/>	All personal lock(s) have been removed from the lockbox.
<input type="checkbox"/>	Operators and Affected Individuals have been notified by the ECC that the equipment is to be released for service.
<input type="checkbox"/>	The ECC locks removed and Qualified Individuals have restored energy to the equipment.

INDIVIDUAL LOCKOUT ROSTER				
WARNING: If the equipment is NOT listed on the first page of the ECC Form, it is not locked out!				
Printed Name	Date	Time Personal Lock APPLIED	Signature (upon lock REMOVAL)	Time Personal Lock REMOVED
	// //	: am/pm		: am/pm
	// //	: am/pm		: am/pm
	// //	: am/pm		: am/pm
	// //	: am/pm		: am/pm
	// //	: am/pm		: am/pm
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Energized Work Permit



Energized Work Permit Control of Hazardous Energy FCX-HS04

JOB/WORK ORDER #		DATE	
REQUESTOR NAME/TITLE			

PART I: TO BE COMPLETED BY THE REQUESTER	
ITEM	COMMENTS
Description of equipment/job location	
Description of work to be done	
Justification for why the equipment cannot be de-energized or the work deferred until the next scheduled outage	
PART II: TO BE COMPLETED BY THE QUALIFIED PERSONS PRIOR TO STARTING THE WORK	
ITEM	COMMENTS <i>Use the back of this form or attach additional information if necessary.</i>
Detailed job description/procedure to be used in performing the above detailed work	
Description of the safe work practices to be used	
Necessary personal protective equipment to safely perform the assigned task (s)	
Lock controls used to restrict the access of unqualified persons from the work area	
Evidence of completion of a job briefing including discussion of any job-related hazard	
Do you agree the above described work can be done safely?	
PART III: ADDITIONAL REQUIREMENTS TO PERFORM THE WORK WHILE ELECTRICALLY ENERGIZED	
Result of the shock hazard analysis	
Determination of shock protection boundaries	
Result of the arc flash hazard analysis	
Determination of the arc flash protection boundary	
Do you have a 2 nd electrically qualified person or trained attendant? Name:	
*** NOTE: If any of the above answers are no, return to requestor. ***	
PART IV: APPROVAL TO PERFORM THE WORK WHILE ENERGIZED	
Qualified Person(s)	Qualified Person(s)/Trained Attendant (electrical work only)
Operations/Maintenance Supervisor	Electrical Supervisor (electrical work only)
APPROVER'S NAME & SIGNATURE	

NOTE: Approval is only granted by the relevant superintendent or delegate. All requests for energized electrical work must be approved by an electrical superintendent or delegate.

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1 of 1

Non-Routine Lock Removal Form



Non-Routine Lock Removal Form

Control of Hazardous Energy | FCX-HS04

EQUIPMENT	DATE	TIME
	LOCK OWNER	

INDIVIDUAL CONTACTED	
Checklist	Summary
<input type="checkbox"/> Check the Energy Control Coordinator Form, lock and tags for information	
<input type="checkbox"/> Perform a thorough inspection of the equipment	
<input type="checkbox"/> Verify that all grounds and blocking devices have been removed	
<input type="checkbox"/> Verify that tools and material are clear	
<input type="checkbox"/> Verify that the equipment is operable	
<input type="checkbox"/> Verify that all guards have been re-installed	
<input type="checkbox"/> Verify that all personnel are clear	

INDIVIDUAL NOT CONTACTED OR LOCK NOT IDENTIFIED		
Checklist	Effort to Contact the Owner	
<input type="checkbox"/> Check the Energy Control Coordinator Form, lock and tags for information	By Whom?	
<input type="checkbox"/> Perform a thorough inspection of the equipment	When?	
<input type="checkbox"/> Verify that all grounds and blocking devices have been removed	Location of Owner	
<input type="checkbox"/> Verify that tools and material are clear		
<input type="checkbox"/> Verify that the equipment is operable		
<input type="checkbox"/> Verify that all guards have been re-installed		
<input type="checkbox"/> Verify that all personnel are clear		
Verbal authorization from the Sr. Supervisor or Superintendent	Supervisor:	Approved By:

INVESTIGATORS	
Title	Name & Signature
If contact with the lock owner cannot be made, or the owner is unknown, each of the individuals below must be contacted and must ensure all of the above requirements have been met, and the equipment is safe to remove the lock.	
Area Supervisor(s)	
Qualified Individual	
Energy Control Coordinator (If applicable)	
Health & Safety	

NOTIFICATION	
<input type="checkbox"/>	Employee has been notified of the removal of their lockout/tag-out device before returning to work
When?	By Whom?
Provide document to Area Superintendent or Responsible Person	

Monthly TRIR

- Please remember that the Monthly TRIR Reports are due **no later then the 5th** of the month. If received after 3PM on the 10th a report will be sent to GSC for **Non-Compliance**.
- Reports should be sent to: MOR-Contractor-TRIR@FCX365.onmicrosoft.com
- Please make sure that the correct form is being used. If you do not have the correct form please email Amy Sammito at asammito@fmi.com



Contractor TRIR Form

- This is the correct form to use.***

Save File	Contractor Name	MSHA Number	Company code	Organization	Division	Department	Hours	First Aid	Restricted Duty	Medical Treatment	Lost Time	Occupational Illness	Property Damage	Reason if submitting late or a change	Person Reporting Hours	Area Contact
Period (YYYYMM)																
			1350	Maintenance Services	Maintenance Services	Boiler Shop								Not Late		
			1350	Maintenance Services	Maintenance Services	Machine Shop								Not Late		
			1350	Maintenance Services	Maintenance Services	Industrial Railroad								Not Late		
			1350	Maintenance Services	Maintenance Services	Power House								Not Late		
			1350	Maintenance Services	Maintenance Services	Electrical								Not Late		
			1350	Maintenance Services	Maintenance Services	Field and Pump Repair								Not Late		
			1350	Maintenance Services	Maintenance Services	Light Vehicle Garage								Not Late		
			1350	Maintenance Services	Maintenance Services	Surface								Not Late		
			1350	Maintenance Services	Maintenance Services	RCM								Not Late		
			1350	Processing	Hydrometallurgical	CLP								Not Late		
			1350	Processing	Hydrometallurgical	SX EW								Not Late		
			1350	Processing	Hydrometallurgical	Leaching								Not Late		
			1350	Processing	Mill	Morenci Concentrator								Not Late		
			1350	Processing	Mill	Metcalf Concentrator								Not Late		
			1350	Processing	Mill	Tailings								Not Late		
			1350	Processing	Crush and Convey	Crush and Convey								Not Late		
			1350	Mine	Mine Maintenance	Mine Maintenance								Not Late		
			1350	Mine	Mine Operations	Fragmentation-Loading Support								Not Late		
			1350	Mine	Mine Operations	Haulage								Not Late		
			1350	Mine	Mine Technical	Resource Management								Not Late		
			1350	Administration	Administration	Administration								Not Late		
			1350	Administration	Administration	Global Supply								Not Late		
			1350	Administration	Administration	Plant Engineering								Not Late		
			1350	Administration	Administration	Environmental								Not Late		
			1350	Administration	Administration	Training Department								Not Late		
			1350	Administration	Administration	Health & Safety								Not Late		
			1302	Administration	Administration	Townsite								Not Late		
			1341	Administration	Mercantile	Mercantile Motel								Not Late		
			1341	Administration	Mercantile	Mercantile Lanes								Not Late		
			1341	Administration	Mercantile	Mercantile Conoco								Not Late		
			1302	Administration	Mercantile	Recreation Center								Not Late		
			1322	Morenci Water and Electric	Administration	Townsite								Not Late		



**PROVEN ASSETS.
FUNDAMENTAL VALUE.**