

WELCOME!

Contractor Safety Meeting
December 2023









Agenda



- Environmental Share
- Safety Share
- Safety Stats
- PFEs, Incidents, and Alerts
- Special Topic
 - Relate this to Safety
- 2023 Safety in Pictures



Environmental Share

THE POWER OF COPPER

Fuel Dock Secondary Containment-Trash

- SPCC (Spill Prevention Control and Countermeasures) plan states that secondary containments must be clean and absent of all <u>liquid</u> and <u>debris</u>.
- MSHA violation for housekeeping.
- If you see uncontaminated stormwater in the secondary containment, please open the valve to relieve the
 water, if you see oil or other contaminants, please contact the environmental department for guidance.
- Please use available trash containers, any issues with full trash containers please call Environmental at (928) 865-6000.





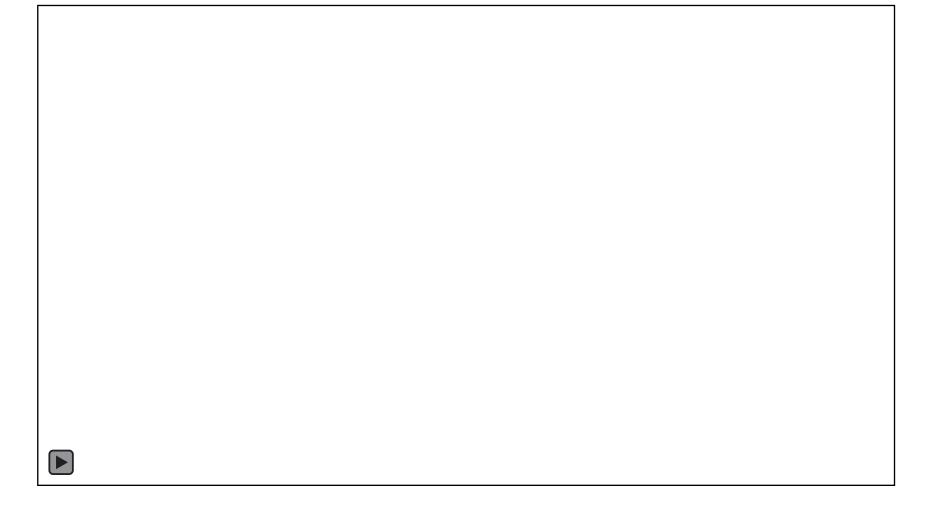


December 2023

Christmas tree turns into devasting fire









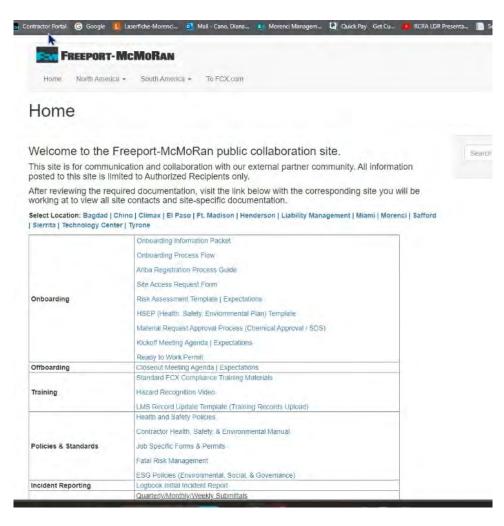
Understanding Product Approvals

IH/Health & Safety & Environmental



Where to start?





- Contractor's Portal
 - https://publicportal.fmi.c om/
- Onboarding
- Material Request ApprovalProcess (Chemical Approval/SDS)
- The site is also known as Sphera Comply Plus

Contractor's Portal Continued



Select Location: Bagdad | Chino | Climax | El Paso | Ft. Madison | Henderson | Liability Management | Miami | Morenci | Sierrita | Technology Center | Tyrone

	Onboarding Information Packet
	Onboarding Process Flow
	Ariba Registration Process Guide
<u> </u>	Site Access Request Form
Onboarding	Risk Assessment Template Expectations
	HSEP (Health, Safety, Enviornmental Plan) Template
	Material Request Approval Process (Chemical Approval / SDS)
	Kickoff Meeting Agenda Expectations
	Ready to Work Permit
Offboarding	Closeout Meeting Agenda Expectations
	Standard FCX Compliance Training Materials
Training	Hazard Recognition Video
	LMS Record Update Template (Training Records Upload)
	Health and Safety Policies

Once clicked, the link will take you to the SOP for the MRAP

Environmental Services Contacts and Links



- Environmental Services
 SharePoint <u>Home</u>
 (sharepoint.com)
- Sphera Comply Plus <u>Login</u> (<u>complyplus.com</u>)
- (Formally MRAP/Dolphin)

Diana Cano – Scientist I dcano1@fmi.com 928-965-0232

Alexsis Castillo – Industrial Hygienist Acastill16@fmi.com 928-292-0100

Jill Leavitt – Sr Spv Industrial Hygiene <u>ileavitt@fmi.com</u> 928-215-5251

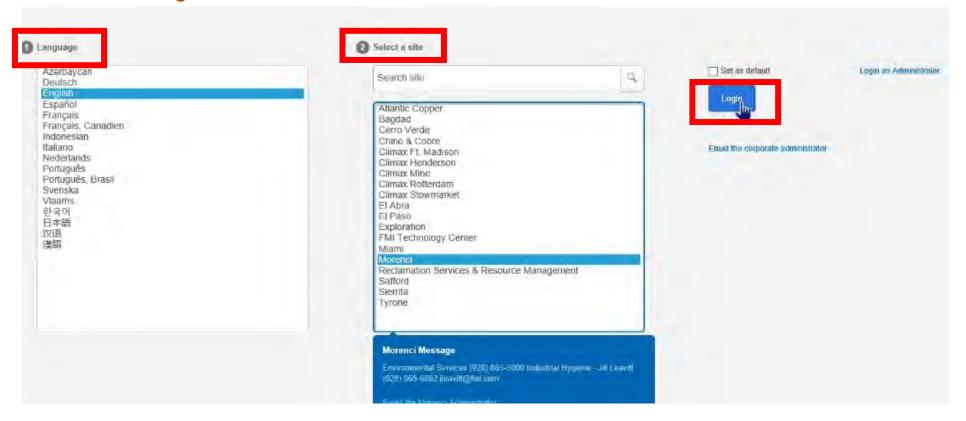
Rob Walker – Sr. Scientist rwalker@fmi.com 928-215-6422





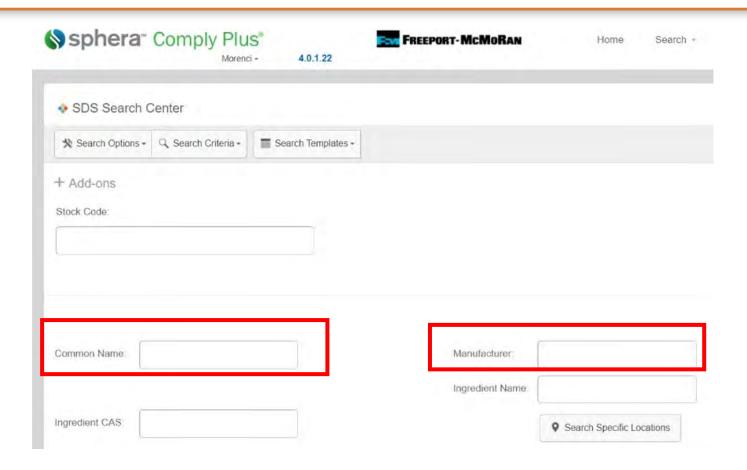
In order to submit an SDS you will need to

- Select Language
- Select your site
- Click log in



Sphera Comply Plus





- To search for a product, type in the common name and/or manufacturer
- Possibility of moving to enablon

Language

English

English

Internal...

W-005 A

W-093 D

Site Approvals

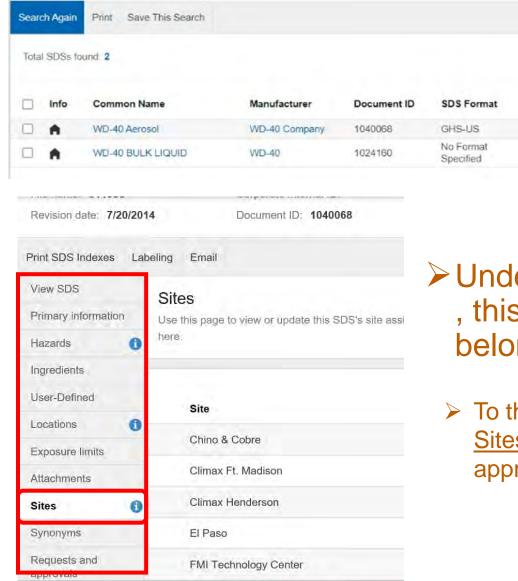


100 · Items Per Page

Revision Date

7/20/2014

6/1/2012



➤ Under Info there is a house ♠on, this means that the product belongs to our site.

File Name

911058

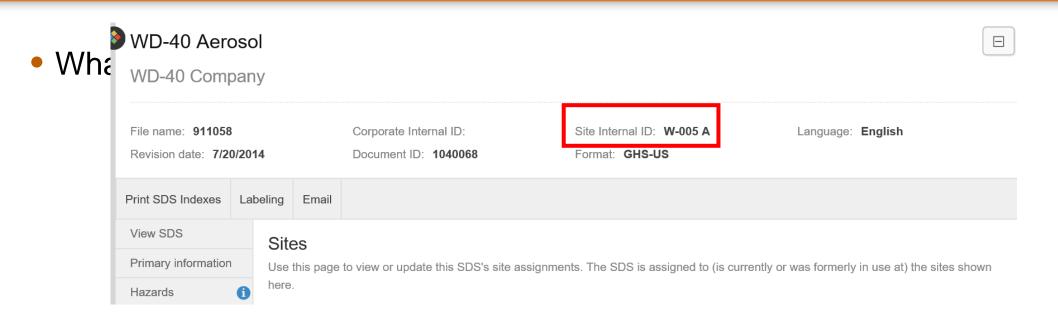
085448

Synonyms

To the left of the screen, click <u>Sites</u> to find where the product is approved

Types of Approvals





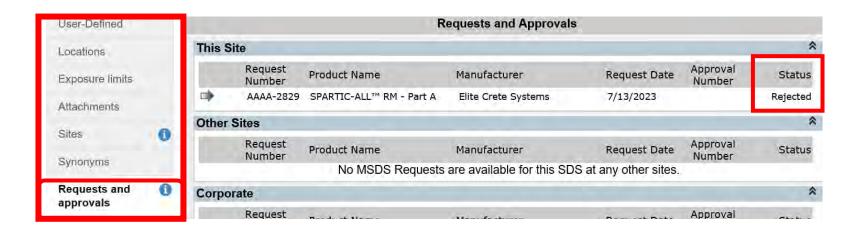
- Site internal ID's have codes
 - \rightarrow A = Approved
 - > CA = Conditionally Approved
 - > T= Testing

- Approved = the whole site
- Conditionally Approved = Only a particular group for a Specific project
- ➤ Testing = Only approved for testing. If need is more permanent a request would have to be made again

Ways to view Status



Requests and Approvals Tab

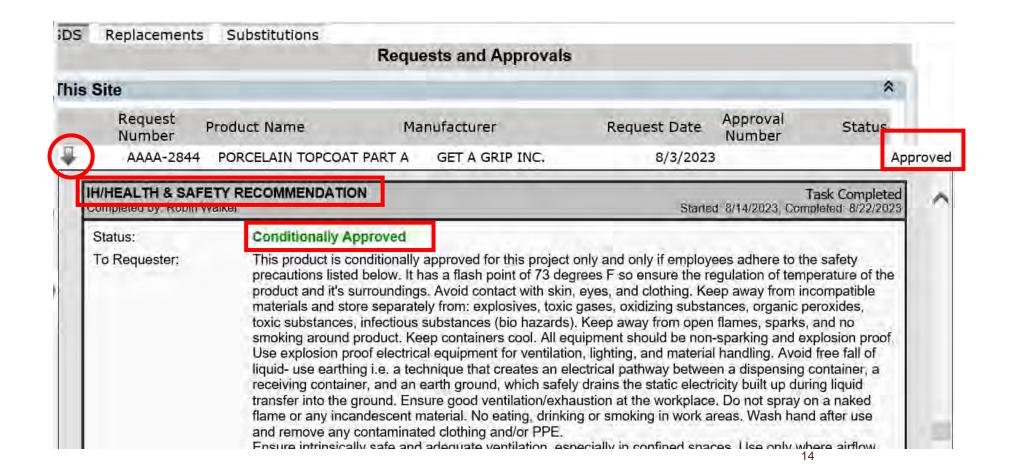




Status Continued

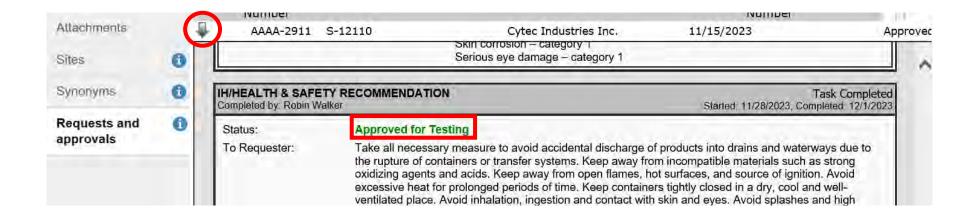


- > Click on the arrow, scroll down until IH/Health & Safety Recommendations
- This will verify the TYPE of Approval it was given



Status Continued

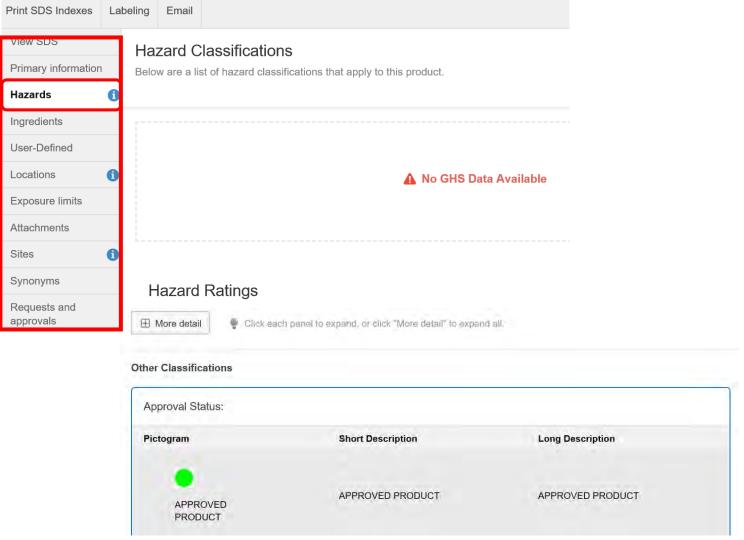




Ways to view status Continued.



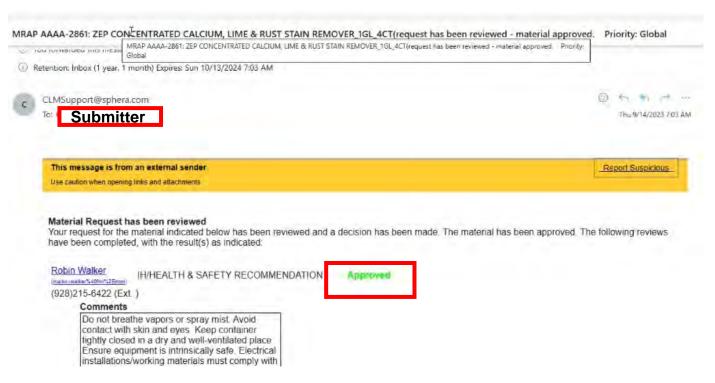
Hazards tab



Different Ways to View Status



- Submitter Email
- IH/Health & Safety recommendations are seen in the comment section. This goes over storage, PPE, Ventilation, and the product Hazards.



Questions?







Safety Stats

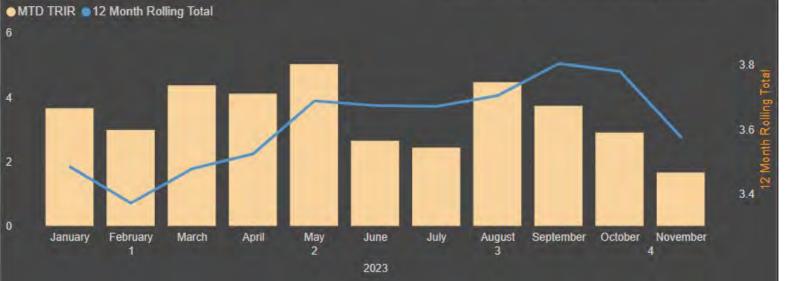


Safety Stats – TRIR 2022 v. 2023





2022



2023

CONTRACTORS TRIR 2022 v. 2023





2023

2022

2023

Safety Stats – High Risk 2022 v. 2023





2022 Cont. - 15

2023 Cont. - 3

Safety Stats





2023 Actionable Events-



Department	Туре	Risk Level	Fatal Risk	Full Description
Crush & Convey	Lost Time	Actionable	Vehicle Impact on Person	Employee gets knocked to ground by skid steer / offering botle of water running over their leg.
Metcalf Concentrator	Near Miss	Actionable	Falling Objects	contract employee lost grip of the idler and it rolled down the belt about 10 ft and fell about 35 feet to the concrete pad down below. There was a crew working adjacent on a man hole. The idler landed about 20 feet from where they were working.
Mine Maintenance	Lost Time	Actionable	Fall From Heights	Employees were removing Crater/ Grease from the top of a shovel dipper. There was employee running the extended fork and one employee on top of the dipper tied off, Employee on the dipper was giving hand signals to the employee on the ground.
Haulage Operations	Restricted Duty	Actionable	Vehicle Collision or Rollover	Haul Truck runs over back end of a pick up/
Fragmentation - Loading/Support	Medical Treatment	Actionable	Fall From Heights	While standing there looking to their right, the 50- foot highwall gave away from underneath and the Supervisor slid down the 50-foot bench. The shovel operator seen the light flashing from the supervisor's flashlight, seen him sliding down the highwall and stopped digging.
Fragmentation - Loading/Support	Near Miss	Actionable	Entanglement and Crushing	Operator on 51 Dozer was pushing material into the number 5 feeder on the Mill IOS, (Employee stated that they slid into the feeder requiring all feeders to be shut down and employee to self-extricate to safe area).
Fragmentation - Loading/Support	Lost Time	Actionable	Vehicle Impact on Person	LowBoy operator with unhooking and hooking the hoses and rehook the lowboy trailer. loader operator placed their foot in the line of fire while stinger was lowering resulting in the stinger being set down on their foot causing it to be smashed between the stinger and the lowboy trailer
Maintenance Electrical	Property Damage	Actionable	Exposure to Electrical Hazards	Employees were removing concrete to expose existing utilities. Employees stated as they were removing concrete around secondary electrical conduit, they hit a piece of rebar causing the jackhammer to change direction, which resulted in penetration of the secondary electrical conduit
Townsite	Property Damage	Actionable	Fire	Contract employee cut a damaged fence using an angled grinder generating sparks into brush. A subsequent brush fire ensued. They tried to exinguish fire using bucket water and hose where the hose could reach. Realizing fire was out of control 911 was contacted. The fire then spread to adjacent residence 330 Norfolk. That home was burned.



Significant Events/ PFEs





Potential Fatal Event: Lifting Operations



PFE # 2023-36 Event ID #20011818



Preliminary Incident Details		
Operation	n Chino	
Date / Time	December 1, 2023 / 10:00 am	
Туре	Property Damage	
Summary	A crane was lifting roof panels to be installed on the roof of the mill when a void opened under the left front outrigger, causing the crane to tip forward and hit the building. There were four employees working on the roof installing the roof panels – three were standing about 25 feet away as the load was being flown in and one was guiding the load with a tag line. When the crane tipped forward into the building, the load swung and came within 4-5 feet of hitting the employee holding the tag line.	
Fatal Risk	Lifting Operations	
Risk Category	Monitor	
Pre / Post Rating	Significant (3) Likely (2)	
Findings / Missing Controls	 The drainage system was not identified when setting the crane u The drainage system does not show on the prints of the area. 	
Applicable Policies / Procedures	Crane and Rigging Policy Crane and Rigging Critical Lift TS	
Employee Condition	No injuries	
Contact	Sean Maddock, Superintendent-Mill Maintenance, Herman Armijo, Senior Supervisor-Health and Safety	

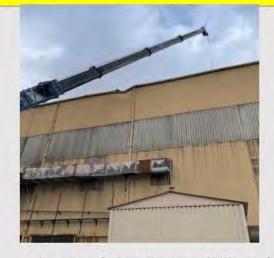
Photos / Links



Position of the crane after the event



Cavity that the outrigger fell into



Location of where the crane hit the roof



Damage to the roof



Potential Fatal Event: Pressurized Acid Exposure

	Preliminary Incident Details	
Operation	Chino	
Date / Time	October 4, 2023 / 8:27 a.m.	
Туре	Injury	
Summary	A mechanic was cutting the bolts off the flange of a depressurized acid tank car when there was a sudden and unexpected burst of pressurization, causing acid to spray into the air. The employee was wearing a face shield but not other personal protective equipment. A small amount of acid got on the neck of the employee, who immediately rinsed off at the nearby safety shower.	
Fatal Risk	Fire	
Risk Category	Actionable	
Pre / Post Rating	Significant (3) Likely (3)	
Findings / Missing Controls	 Wrong tool for the job – angle grinder used to cut bolt created a spark that ignited hydrogen buildup in the tank Failure to monitor lower explosive limit before performing hot wo Failure to wear proper acid suit 	
Applicable Policies / Procedures	FCX-HS06 Hot Work Policy	
Employee Condition	 The worker was evaluated at the local clinic and allowed to return to work without restrictions. Employee received first aid treatment, sustained small rash to the neck and head. 	
Contact	Joseph Lightner, Senior Supervisor-Mill, or Daniel Coyle, Senior Supervisor-Health and Safety	

Photos / Links



• Flange where bolt was cut.



 Condition of overalls after exposure to acid.

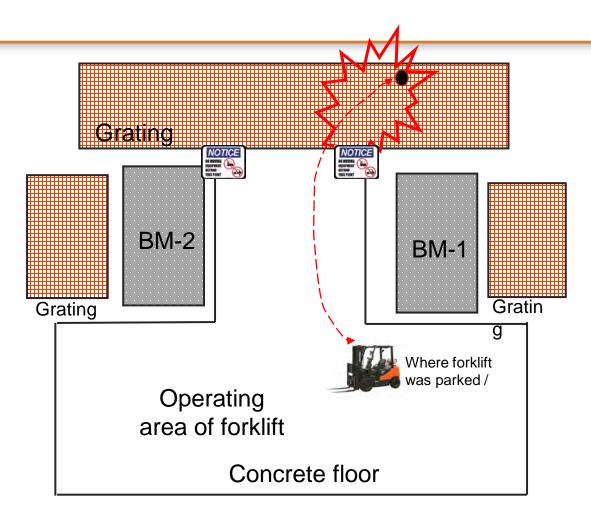


Work platform above the acid tanker car.









Grating was damaged when a forklift drove over it to retrieve a pallet lift.

Weight of forklift damaged grating-leaving 6 – 8 " indention

Being as forklift operates on concrete floor on same level, operator thought he could drive on the grating.

Add signage Indicating heavy equipment is not permitted on grating.

Definition of *Inadvertently*



- An operator of mobile crane was preparing to boom out of the cradle. They leaned forward and to turn key
 required to come out of stowed position. While leaning back to sit upright, their vest caught the left joystick,
 inadvertently engaging the whip line cable up function resulting in the block contacting and breaking the sheave.
- A contract employee was operating a skid steer cleaning at HDTS with bucket raised position. While operating, the employee accidentally opened the access door. He leaned forward in attempt to close door but lowering function did not engage. The lap bar on the skid steer has a safety interlock that neutralizes functions until it is properly seated. When the employee leaned back in operator's seat, the lap bar re-engaged and allowed the functions on skid steer to actuate, inadvertently lowering the bucket on the door, damaging door beyond repair.
- An employee at Metcalf Mill was offering a bottle of water to a co-worker operating a skid steer, the bucket was 12" off the ground. While reaching for the water, the operator inadvertently engaged the forward lever, and the bucket struck the ground employee's leg.
- MSHA Inspectors calls out task where mechanics are standing between a steel worktable and a forklift holding metal beams.

Where in your organizations can this occur? How is this potential managed?



Safety Updates





Site Information Morenci Site Hazard Recognition Pamphlet English | Spanish · Evacuation Plan Environmental Site & Area Specific Training · Crush And Convey Crush and Convey Sites Training Leaching · Leaching Site Specific HDPE Pipe Handling · Gas Monitor MX4 Drilling Industrial Railroad · New Hire Site Specific Checklist Railroad Safety Hydromet Site Specific Info & · Hydromet Site Specific Training · CLP Site Specific CLP Refresher · FMM X-Ray Safety Training · Gas Monitor Ventis Pro · Metcalf / Morenci Concentrator · Hazardous Gas Initial · Morenci Mill Site Specific Training Metcalf Site Specifics · Mine Operations In-Pit Site Specific · Heavy Duty Truck Shop

· HDTS Site Specific

· Tankhouse Electrical Safety

· Met Tailings Site Training

Tankhouse

Tailings

Site Specific Policies & Forms	Inpit Driving Standard Passing Procedures Memo Pit Driving Map Mine Area Responsible Map
	Incident Reporting Checklist
	Statement Form Contractor Incident Additional Information Sheet
	Initial Incident Report (Logbook)
	Logbook Tutorial Video

Forms



https://publicportal.fmi.com/morenci

	Emergency Conta	cts		
	Department Emergency/Fire/Ambulance Morenci Safety On-Call Security Environmental Spill Environmental Wildlife		Number to Call 928-865-6600; 911 when outside gate 928-965-6605 928-865-7931 928-865-7745 928-865-6000	
	Site Contacts Department	Name	Email	Phone Number
Morenci	H&S H&S	Dana Wise Jerry Alvillar	dwise@fmi.com jalvilla@fmi.com	928-215-1674 928-965-0407
Site Contacts	H&S H&S	Garrit Culver Kenneth Herrera	gculver@fmi.com kherrera@fmi.com	928-965-4890 928-215-7683
	GSC GSC	David Jackson Chad Corbell	djackson@fmi.com ccorbell@fmi.com	928-215-0788 928-215-6114
	Environmental Training	Diana Cano AB Provencio	dcano1@fmi.com aprovenc@fmi.com	928-965-0232 928-965-0314
	Training	Thomas Montoya	tmontoya@fmi.com	928-965-0309
	H&S	morencicontractorsafety@fcx365.onmicrosoft.com		
	Environmental Training		morencicontractorenvironmental@fcx365.onmicrosoft.com cliftontraining@fcx365.onmicrosoft.com	

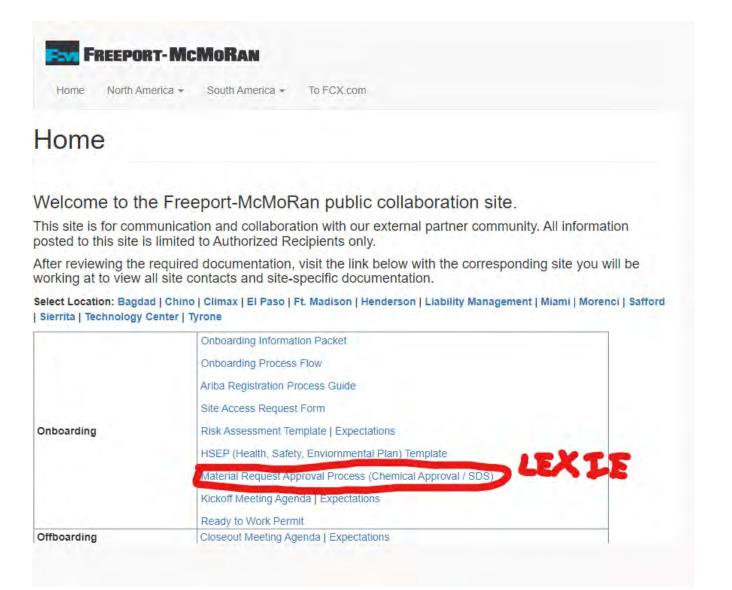
Job Specific Forms | Freeport-McMoRan Public Portal (fmi.com)

	Job Risk Assessment (JRA/JSA) Digital Form
Forms	Light Vehicle Inspection Digital Form
	Workplace Examination Form Digital Form
	Confined Space Permit Digital Form
	Critical Lift Permit Digital Form
	Energized Work Permit Digital Form
Permits	Hot Work Permit Digital Form
	Jumper Authorization Digital Form
	LOTOTO (ECC) Permit Digital Form
	Non-Routine Lock Removal Digital Form

Enablon First Report Form – Logbook. Use this link to submit initial incident information

SDS/ Chemical Approval Process







• Christmas Fun- Link
These to Safety



Link to a safety message



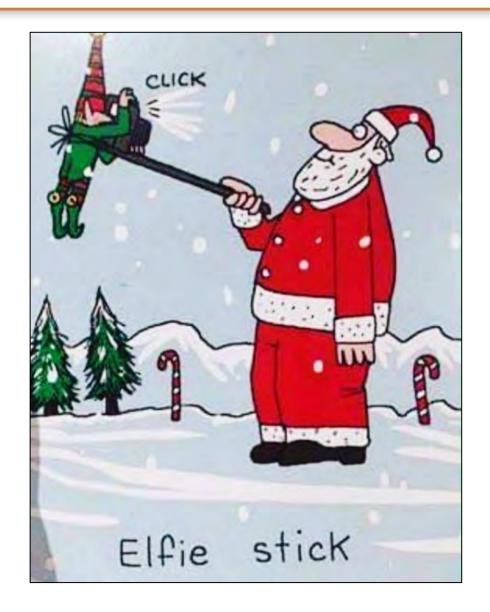




Link to a safety message







Link to a safety message









Link to a safety message









2023 Montage



Townsite







Clinic Remodel – Core and all support teams









Crusher Rebuild - Western Industrial and FMI







Western Industrial joined Morenci Crush Convey repair teams to review JRAs. Excellent discussion and on critical controls and emphasis and specifics on STOP work triggers

Line Contractors





American Power Line Out

Safety Meeting North-West Fiber Optics



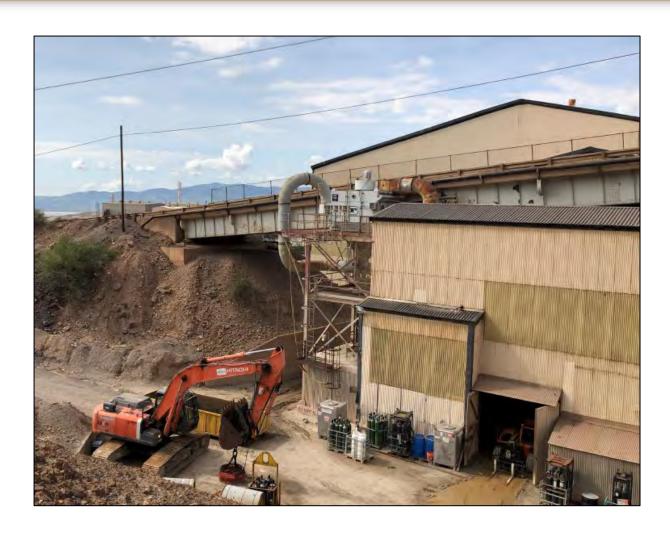
Brahma- Tailgate

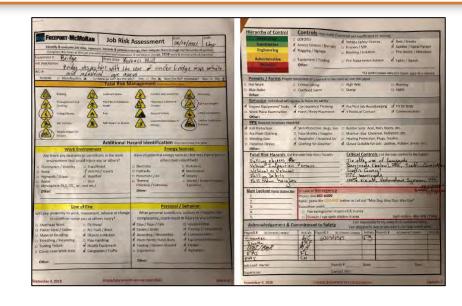




191 Bridge Inspection- ADOT







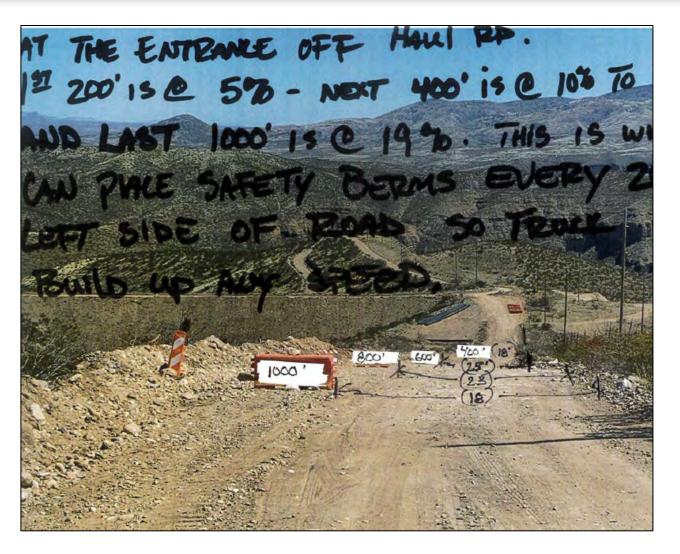


AMES









Silver Basin Project

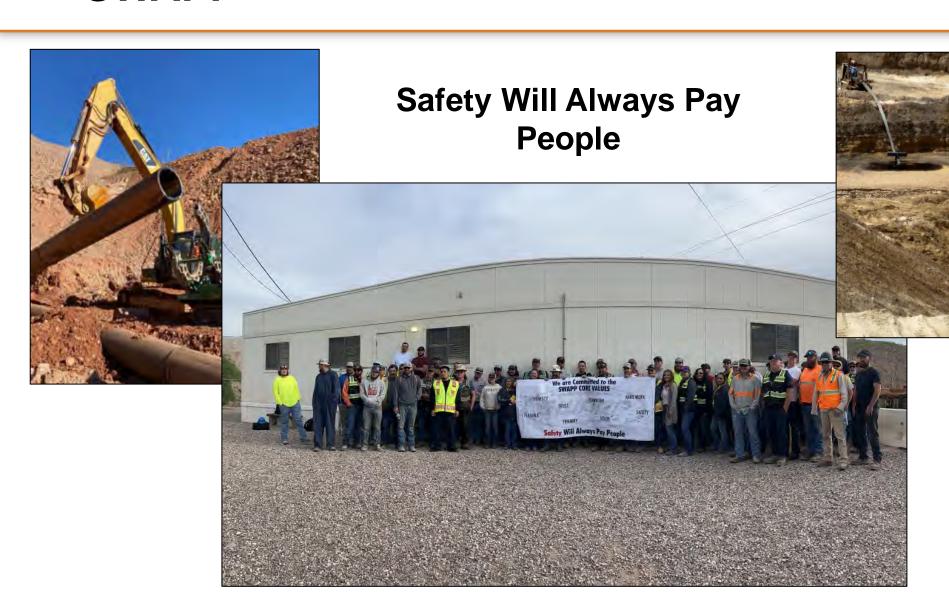






SWAPP









Drilling- BOART-Layne











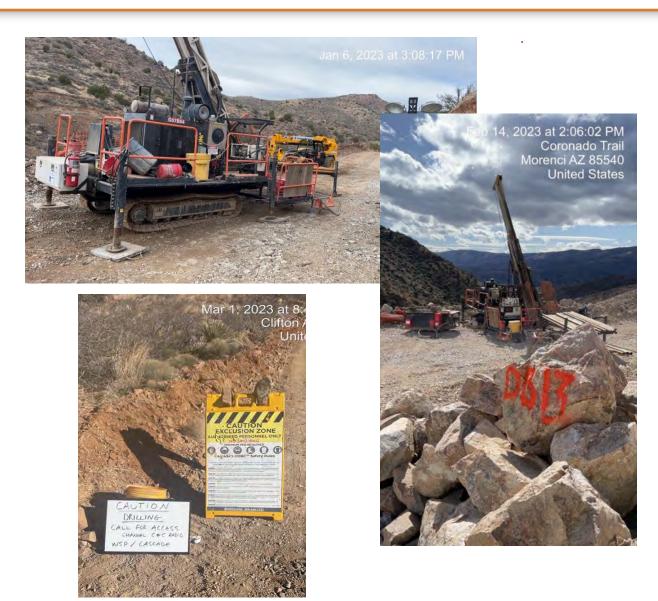




Drilling – DRILL TECH - CASCAID







CTI- Lime Transfer and Delivery







The Empire Family









THE POWER OF

The Power of Working Together

Merry Christmas!

