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December 2015 Contractor Safety Meeting





Overview

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VALUE AT OUR CORE

- Parking policy
- Used Oil, Grease, and Rag/Wipe Management
- Workplace exam training
- HIRA for contractors



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Policy Review



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Parking Policy

- Effective January 1, 2016.
- Applies to all employees and contractors.
- Multiple opportunities exist to improve the general parking standard.



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Required Actions

- GSC will inform our supplier to ensure an adequate number of chocks are purchased and in stock. This will be limited to the 5 in the standard;
- All chocks can be phased out as they become damaged or are needed. The RW and Mine lube shops will review the chocks on vehicles as they are brought in for PM's and will be responsible to replace as necessary; **Contractors will be required to follow this with their own system**
- The RC model chocks (black) should be replaced as they are found;
- Divisions are encouraged to ensure any other manufactured chock is tested and rated or removed;
- Chocks are to be utilized on two tires (One on each side of the vehicle)



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- Must follow and use manufacturer suggested size;
- Manufacturer recommendations includes chocking of two tires;
- RC Models (Black) are not tested or rated;
- Steps to ensure the vehicle is blocked against motion;
 - Utilize pull outs on steep grades;
 - Utilize parking ditches or pull into berm;
- Where feasible these methods should be utilized. If not available vehicles and equipment must be chocked;



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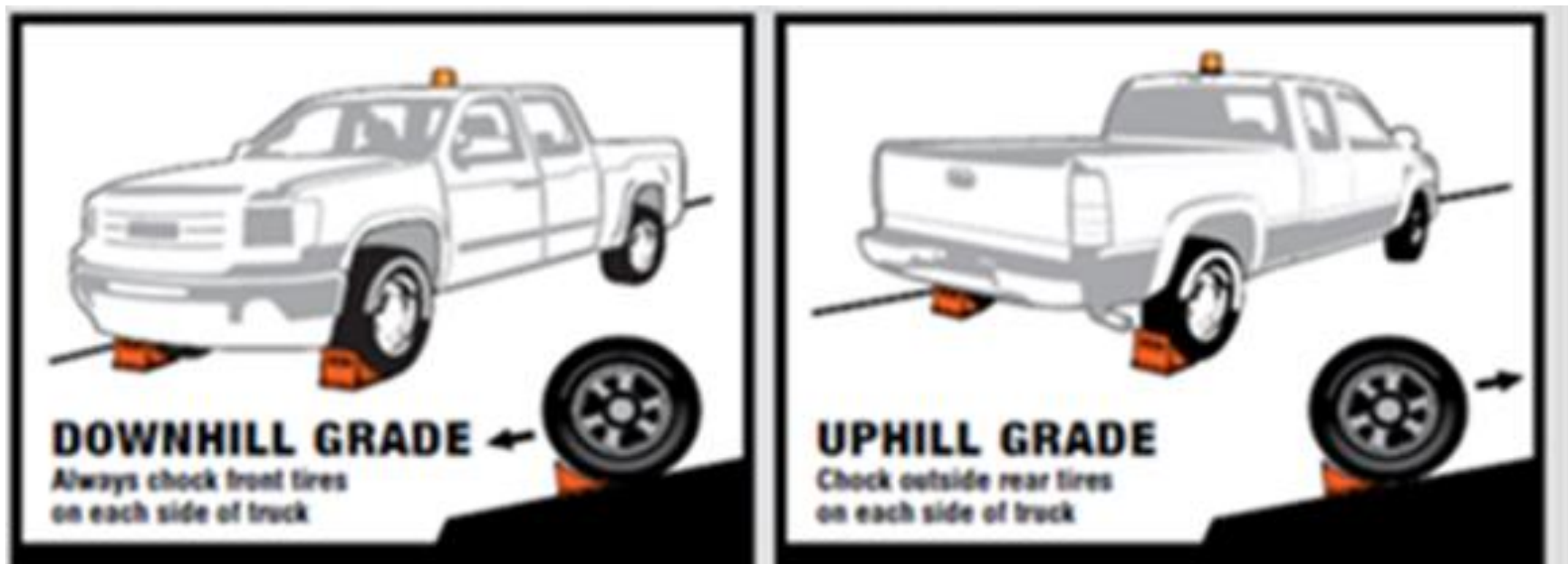
- Testing of park brake on a grade;
- Necessity to ensure PM's are conducted on all vehicles;
- Ground engagement tools do not replace chocking or turning into a bank or berm;
- The undercarriage of vehicles should be cleaned to remove mud and debris that has built up. (Frequency shall be based on weather conditions) This condition can affect the operation of the critical components. If not cleaned mud can prevent the transmission from fully engaging in the park position. The function of shifting into different gears should be tested during Pre-Use inspections.



Chocking Procedures

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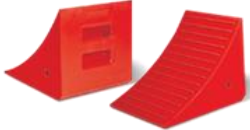






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FreePort McMoRan Equipment Summary and Wheel Chock Evaluation				
Equipment	Max Wheel Diameter	Max Gross Vehicle Weight Rating (GVWR)	Suggested Chock Type/Model	Picture
All Pickup trucks up to F350	35"	30,000lbs	UC1700	
All Trucks above 350. Class 5 and class 7 forklift and F750 Service truck, Lube truck	46"	60,000lbs	UC1500-6	
Boom Truck, backhoe, 769 Fuel Truck, Large forklift, Vac truck, Rubbertire, Motor grader	95"	366,000lbs	MC1210	
777 haul truck/Water truck and 994 loader	105"	460,000lbs	MC 3010	
793D Haul Truck	142"	846,000lbs	MC 3012	

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Used Oil, Grease, and Rag/Wipe Management

08 December 2015

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Used Grease (BMP 308)

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Used grease is contaminated by physical or chemical impurities.

Used Grease Management:

- Pack in clean, undamaged, steel, 55-gallon drums
- Do not mix with any other substance
- Label drum with "Used Grease", Origin of the material, and Department responsible for the grease
- Drums/containers must be closed and securely lidded, unless adding or removing material
- Funnels must be labeled with content (i.e. 'Used Grease')
- When full, the responsible department will transport the drums to the Environmental Yard





Used Oil (BMP 310)

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Used oil is contaminated by physical or chemical impurities.

Used Oil Management:

- Oil storage is only allowed in new or cleaned used containers with NO dents and rust
- Containers must be covered and securely lidded, unless adding/removing material
- All containers and secondary containment must be clearly labeled 'Used Oil'
- Always use a funnel pouring





Used Oil (BMP 310)

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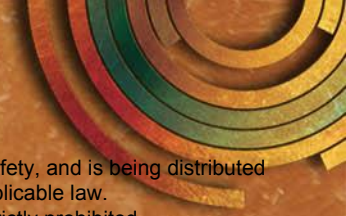
Used oil generated on Morenci property must not be mixed with any other substances.



Common Oil Contaminants:

- Chlorinated Solvents
- Dirt and Debris
- Antifreeze
- Concentrate and Other Dusts
- Aerosol Can Contents
- Water
- Paint
- Reagents
- Carburetor Cleaner
- Transformer Oil
- Diesel/Gasoline/Kerosene

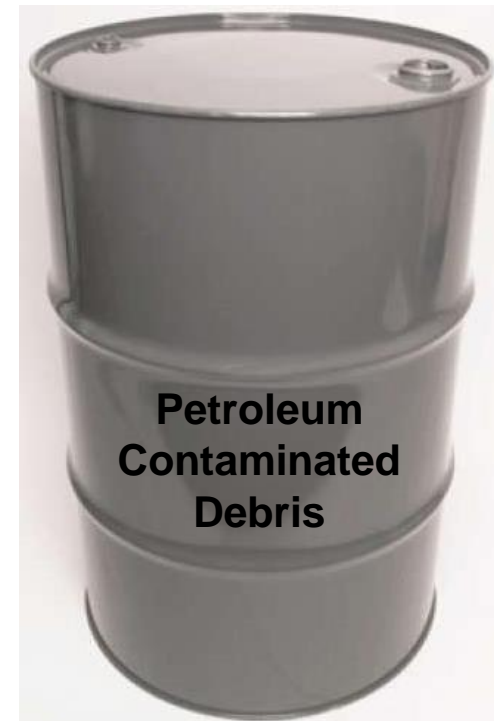
Deliver full containers of used oil to the Environmental Yard.



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- Rags, wipes, brushes, or any other item contaminated with oil or grease must go into a container labeled 'Petroleum Contaminated Debris'
- These containers pre-labeled can be picked up at the Environmental Yard
- Once containers are full, please bring back to the Environmental Yard for disposal





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- Rags, wipes, brushes, or any other item contaminated with oil or grease *AND* solvent must go into a properly labeled satellite accumulation area container as a hazardous waste
- Satellite accumulation areas can be set up at almost any location, which we provide upon request
- Please ensure the satellite accumulation area container has a label that looks similar to the image below

**Satellite Accumulation
Area #219**

**Hazardous Waste
Solvent Contaminated Rags**



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**If you have any
questions or
comments, please call
the Environmental
Department at
928-865-6000!**



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Workplace Exam Training



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- What does your workplace exam process look like?



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- MSHA will be **focusing** on workplace exams
- Any employee working in any area is required to do a workplace exam.
 - The employee must be competent.
 - Competence must be proven and documented.
 - **Contractors have the responsibility to move forward with own training.**



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- **MSHA will remove
EVERYONE from the job
IF a competent person
is not completing a
workplace exam.**



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- Deeming a competent person to complete workplace exams needs to be complete ASAP.
- Updated training matrixes must be submitted to Sophia Jinbo-Doran ASAP.



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HIRA for Contractors



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Activity				Uncontrolled Frequency	Uncontrolled Consequence	Uncontrolled Risk Rank	Controls to Manage Risk		
Hazards (What can hurt me?)		Potential Fatal	Possible Outcome(s)				Current Physical / Administrative Controls of the Activity (What are we doing about it?)	Critical Control (yes/no)	Hierarchy of Control
TASK:									
Site Wide Risks (Potential Fatal)	Risks/Hazards								

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<p> Task: </p> <p> Site Wide Risks (Potential Fatal) </p>

<i>Site Wide Risks to Consider</i>
Insufficient Berms
Blue Stake
Conveyor Belt Mgmt
Bus Safety
Confined Space Entry
Overhead Crane Ops
Mobile Crane Ops
Specific Electrical Policies
Energy Control LOTOTO
Evacuation and Trenching
Fatigue Management
Fire Prevention
HDPE Pipe Handling and Transport
Hot Work
Open Hole
Overhead Lines
Rigging & Suspended Loads
Slope / Ground Control
Stockpile Management
Working at Heights
Heavy Equipment Operation
Contact with Moving Machine Parts

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Light Vehicle Operations

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Possible Outcome(s)



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Uncontrolled Frequency	Uncontrolled Consequence	Uncontrolled Risk Rank

<div> FREEPORT-McMoRAN COPPER & GOLD</div> <div>SAFETY and HEALTH RISK MATRIX (risk = likelihood of occurrence x consequence)</div>				CONSEQUENCE (Outcome of Event)	Safety and Health Risk
16	12	8	4	Major (4)	Multiple LTA, Permanent Disability or Fatality
12	9	6	3	Significant (3)	Lost time or restricted activity case
8	6	4	2	Moderate (2)	No days lost injury
4	3	2	1	Minor (1)	No injury or first aid case
Almost Certain (4)	Likely (3)	Possible (2)	Unlikely (1)	LIKELIHOOD (probability or frequency)	
Recurring event (occurs more than twice per year)	Event that may occur frequently (occurs once or twice per year)	Event that may occur (occurs 1-10 years)	Event that is unlikely (occurs 10-100 years)	Description of Frequency	

Light Vehicle Operations

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Apply the highest level of control commensurate with the risk level – lower value controls may be used in the interim until long-term controls are implemented.



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- Please fill out 1 HIRA sheet per contractor of the highest risk task.
- Send the HIRA sheet to Sophia_jinbo-doran@fmi.com