



December 15, 2008

USING NON-INTRINSICALLY SAFE TOOLS

Purpose/Application

Using non-intrinsically safe tools.

PPE

- Safety glasses
- Hard hat
- Steel toed boots
- Personal monitor
- Gloves

TRAINING

TOOLS/EQUIPMENT

- Cordless drills
- Grinders
- Impact tools (electric)
- Pneumatic tools

#	Job Steps	Hazards	Control Measures
1	Obtain Hot Work Permit	Incorrect or inadequate information	<ul style="list-style-type: none"> ▪ All appropriate information and hazards will be listed on permit prior to starting task
2	Inspect tools for any damage prior to each use	Fire, sparks, injury	<ul style="list-style-type: none"> ▪ Review the manufacturer's instruction before using a tool ▪ Check the handle and body casing of the tool for cracks or other damage ▪ If the tool has auxiliary or double handles, check to see that they installed securely ▪ Inspect cords for defects; check the power cord for cracking, fraying, and other signs of wear or faults in the cord insulation ▪ Check for damaged switches and ones with faulty trigger locks ▪ Inspect the plug for cracks and for missing, loose or faulty prongs ▪ Follow Safe Work Practice SWP-18

#	Job Steps	Hazards	Control Measures
3	Pneumatic Tools	Fire, sparks, injury	<ul style="list-style-type: none"> ▪ Review the manufacturer’s instruction before using a tool ▪ Use spark-resistant tools such as brass, bronze monel metal (copper-nickel alloy, copper-aluminum, beryllium bronze, titanium) when possible ▪ Wear safety glasses or a face shield and , where necessary, safety shoes or boots and hearing protection ▪ Post warning signs where pneumatic tools are used. Set up screens or shields in areas where nearby workers may be exposed to flying fragments, chips, dust, and excessive noise.
4	Check area and Flag off Authorized Personnel Only	Flag Off, commutation	<ul style="list-style-type: none"> ▪ Communicate hazards to everyone working in the area and isolate the area as necessary ▪ Have fire extinguishers readily available ▪ Designate a safety watch
5	Monitor the area for gases or flammable substances	Explosion	<ul style="list-style-type: none"> ▪ Designate a safety watch ▪ Monitor the area continuously ▪ Ventilate where possible or necessary ▪ Move work from high risk areas whenever possible ▪ Ensure all diesel units are equipped with positive air shut-offs ▪ Check the wind direction ▪ Document the situation continually



#	Job Steps	Hazards	Control Measures
6	Ventilate all buildings and confined spaces	Fire, sparks, injury	<ul style="list-style-type: none">▪ Ventilate whenever possible▪ Work up wind whenever possible▪ Use air mover when required▪ Use all power tools outside at all time (ONLY use inside when required and follow all safe work permits)

Additional Precautions:

REFERENCE/REGULATIONS

Developed by: 1. Angie Anton 2. _____ Date: Dec.15/08
3. _____ 4. _____

Revised by: 1. _____ 2. _____ Date: _____
