Important Notes:

1. This form should be completed within 72 hours by the supervisor responsible for the area.
2. It is the responsibility of the Contractor to monitor and keep track of actions items generated from the report.
3. A copy needs to be sent to your Freeport-McMoRan Inc. Safety Professional Contact of your group.

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| **INVESTIGATION FINDINGS** |
| **Injured Employee Name:** |       | **EMP ID:** |       |
| **Involved/ Witness Employee:**  |       | **EMP ID:** |       |
| **Involved/ Witness Employee:**  |       | **EMP ID:** |       |
| **Involved/ Witness Employee:**  |       | **EMP ID:** |       |
| **Description of Event:** |       |
| **CAUSE ANALYSIS****WHAT SUB-STANDARD ACTIONS AND/OR CONDITIONS CAUSED OR COULD CAUSE THE EVENT** |
| **Immediate Causes:** *Please select from corresponding list below* |
|       |       |
|       |       |
| **Basic Causes:** *Please select from corresponding list below* |
|       |       |
|       |       |
| **ACTION PLAN** |
| **No.** | **REMEDIAL AND PREVENTIVE ACTIONS:****WHAT SHOULD BE DONE TO CONTROL THE CAUSE LISTED** | **RESPONSIBLE PERSON** | **Date Due** |
| **1.0** |       |       |       |
| **2.0** |       |       |       |
| **3.0** |       |       |       |
| **4.0** |       |       |       |
| **5.0** |       |       |       |
| **6.0** |       |       |       |
| **REVIEW** |
| **TITLE** | **NAME (Print)** | **Signature** | **Comments** |
| **1** | **Supervisor** |       |  |       |
| **2** | **Safety Rep** |       |  |       |
| **3** | **Sr. Supervisor** |       |  |       |

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| **IMMEDIATE CAUSES - 5. SUBSTANDARD PRACTICES** |
| 5.1 - Failure to follow rule or procedure5.2 - Inadequate work area inspection5.3 - Inadequate pre-op inspection5.4 - Inadequate assessment of risk5.5 - Failure to initiate corrective action | 5.6 - Operating without authority5.7 - Failure to warn5.8 - Failure to secure 5.9 - Operating at improper speed5.10 - Removing/defeating safety devices | 5.11 - Using defective equipment5.12 - Using equipment improperly5.13 - Failing to use personal protective equipment5.14 - Improper loading 5.15 - Improper placement | 5.16 - Improper lifting5.17 - Improper position for task 5.18 - Horseplay5.19 - Under influence of alcohol and/or other drugs5.20 - Unfit for duty |
| 6.1 - Inadequate guards or barriers6.2 - Inadequate or improper protective equipment6.3 - Defective tools, equipment or materials6.4 - Congestion or restricted action | 6.5 - Inadequate warning system 6.6 - Fire and explosion hazards6.7 - Poor housekeeping; disorderly workplace | 6.8 - Hazardous environmental conditions: gases, dusts, smokes, fumes, vapors6.9 - Noise exposure 6.10- Radiation exposures | 6.12- High or low temperature exposures6.13- Inadequate or excessive illumination6.14- Inadequate ventilation |
| **BASIC/ ROOT CAUSES - 6. SUBSTANDARD CONDITIONS** |
| 7.1 - INADEQUATE PHYSICAL/PHYSIOLOGY CAPABILITY7.1.1 - Inappropriate height, weight, size, strength, reach, etc. 7.1.2 - Restricted range of body movement7.1.3 - Limited ability to sustain body position7.1.4 - Limitation or incompatibility with assigned task (permanent disability)7.1.5 - Limitation or incompatibility with assigned task (temporary disability)7.1.6 - Substance sensitivities or allergies7.1.7 - Sensitivities to sensory extremes (temperature sounds, etc.)7.1.8 - Vision deficiency7.1.9 - Hearing deficiency7.1.10 - Other sensory (touch, taste, smell, balance)7.1.11 - Respiratory incapacity7.1.12 - Other permanent disabilities7.1.13 - Temporary disability7.2 - INADEQUATE MENTAL/PSYCHOLOGICAL CAPABILITY7.2.1 - Limitation or incompatibility with assigned task (permanent disability)7.2.2 - Limitation or incompatibility with assigned task (temporary disability)7.2.3 - Fears and phobias7.2.4 - Emotional disturbance7.2.5 - Mental illness7.2.6 - Intelligence level7.2.7 - Inability to comprehend7.2.8 - Poor judgment | 7.2.9 - Poor coordination7.2.10 - Slow reaction time 7.2.11 - Low mechanical aptitude7.2.12 - Low learning aptitude7.2.13 - Memory failure7.2.14 - Inadequate initial training 7.3 - PHYSICAL OR PHYSIOLOGICAL STRESS7.3.1 - Injury or illness7.3.2 - Fatigue due to task load or duration7.3.3 - Fatigue due to lack of rest7.3.4 - Fatigue due to sensory overload7.3.5 - Exposure to health hazards7.3.6 - Exposure to temperature extremes7.3.7 - Oxygen deficiency7.3.8 - Atmospheric pressure variation 7.3.9 - Constrained movement7.3.10 - Blood sugar deficiency7.3.11 - Drugs7.3.12 - Non-work related medical condition/medication7.4 - MENTAL OR PSYCHOLOGICAL STRESS7.4.1 - Emotional overload7.4.2 - Fatigue due to mental task load or speed7.4.3 - Extreme judgment/decision demands7.4.4 - Routine, monotony, demand for uneventful vigilance7.4.5 - Extreme concentration/perception demands7.4.6 - “Meaningless” or “degrading” activities7.4.7 - Confusing directions | 7.4.8 - Conflicting demands 7.5 - LACK OF KNOWLEDGE7.5.1 - Lack of experience7.5.2 - Inadequate orientation7.5.3 - Inadequate initial training7.5.4 - Inadequate update training7.5.5 - Misunderstood directions7.6 - LACK OF SKILL7.6.1 - Inadequate initial instruction7.6.2 - Inadequate practice7.6.3 - Infrequent performance7.6.4 - Lack of coaching7.7 - IMPROPER MOTIVATION7.7.1 - Improper performance is rewarded7.7.2 - Proper performance is punished7.7.3 - Lack of incentives7.7.4 - Excessive frustration7.7.5 - Inappropriate aggression7.7.6 - Improper attempt to save time or effort7.7.7 - Improper attempt to gain attention7.7.8 - Inappropriate peer pressure7.7.9 - Inappropriate leadership example7.7.10 - Inadequate performance feedback7.7.11 - Inadequate reinforcement of proper behavior7.7.12 - Improper production incentives |

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| **BASIC/ ROOT CAUSES - 8. JOB FACTORS** |
| 8.1 - INADEQUATE LEADERSHIP AND/OR SUPERVISION8.1.1 - Unclear or conflicting reporting relationship8.1.2 - Unclear or conflicting assignment of responsibility8.1.3 - Improper or insufficient delegation8.1.4 - Giving inadequate policy, procedure, practices or guidelines8.1.5 - Inadequate work planning or programming8.1.6 - Inadequate instructions, orientation, and/or training8.1.7 - Providing inadequate reference documents, directives and guidance publications8.1.8 - Inadequate identification and evaluation of loss exposures8.1.9 - Lack of leader/management job knowledge8.1.10 - Inadequate matching of individual qualifications and job/task requirements8.1.11 - Inadequate performance measurement and evaluation8.1.12 - Inadequate or incorrect performance feedback8.2 - INADEQUATE ENGINEERING8.2.1 - Inadequate assessment of loss exposure8.2.2 - Inadequate consideration of human factors/ergonomics8.2.3 - Inadequate standards, specifications, and/or design criteria8.2.4 - Inadequate monitoring of construction8.2.5 - Inadequate assessment of operational readiness8.2.6 - Inadequate monitoring of initial operation8.2.7 - Inadequate evaluation of changes8.3 - INADEQUATE PURCHASING8.3.1 - Inadequate specifications on requisitions8.3.2 - Inadequate research on materials/equipment8.3.3 - Inadequate standards, specifications to vendors | 8.3.4 - Inadequate mode or route acceptance8.3.5 - Inadequate receiving inspection and acceptance8.3.6 - Inadequate communication of safety and health data8.3.7 - Improper handling of materials8.3.8 - Improper transportation of materials8.3.9 - Inadequate identification of hazardous items8.3.10 - Inadequate salvage and/or waste disposal8.4 - INADEQUATE MAINTENANCE8.4.1 - Inadequate preventative - assessment of needs8.4.2 - Inadequate preventative - lubrication and servicing8.4.3 - Inadequate preventative - adjustment/assembly8.4.4 - Inadequate preventative - cleaning or resurfacing8.4.5 - Inadequate reparative - communication of needs8.4.6 - Inadequate reparative - scheduling of work8.4.7 - Inadequate reparative - examination of units8.4.8 - Inadequate reparative- part substitution8.5 - INADEQUATE TOOLS AND EQUIPMENT8.5.1 - Inadequate assessment of needs and risks8.5.2 - Inadequate human factors/ergonomics considerations8.5.3 - Inadequate standards or specifications8.5.4 - Inadequate availability8.5.5 - Inadequate adjustment/repair/maintenance8.5.6 - Inadequate salvage and reclamation8.5.7 - Inadequate removal and replacement of unsuitable items | 8.6 - INADEQUATE WORK STANDARDS 8.6.1 - Inadequate inventory and evaluation of exposures and needs8.6.2 - Inadequate coordination with process design8.6.3 - Inadequate employee involvement8.6.4 - Inadequate/inconsistent standards/procedures/rules8.6.5 - Inadequate publication8.6.6 - Inadequate distribution8.6.7 - Inadequate translation to appropriate languages8.6.8- Inadequate tracking of work flow8.6.9 - Inadequate updating8.6.10 - Inadequate monitoring use of standards/procedures/rules8.7 - WEAR AND TEAR8.7.1 - Inadequate planning of use8.7.2 - Improper extension of service life8.7.3 - Inadequate inspection and/or monitoring8.7.4 - Improper loading or rate of use8.7.5 - Inadequate maintenance8.7.6 - Use by unqualified or untrained people8.7.7 - Use for wrong purpose8.8 - ABUSE OR MISUSE8.8.1 - Condoned by supervision – intentional8.8.2 - Condoned by supervision – unintentional8.8.3 - Not condoned by supervision – intentional8.8.4 - Not condoned by supervision – unintentional |