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* | | | | | | | | | | | | |
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| **Basic Causes:** *Please select from corresponding list below* | | | | | | | | | | | | |
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| **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 procedure  5.2 - Inadequate work area inspection  5.3 - Inadequate pre-op inspection  5.4 - Inadequate assessment of risk  5.5 - Failure to initiate corrective action | 5.6 - Operating without authority  5.7 - Failure to warn  5.8 - Failure to secure  5.9 - Operating at improper speed  5.10 - Removing/defeating safety devices | | 5.11 - Using defective equipment  5.12 - Using equipment improperly  5.13 - Failing to use personal protective equipment  5.14 - Improper loading  5.15 - Improper placement | | 5.16 - Improper lifting  5.17 - Improper position for task  5.18 - Horseplay  5.19 - Under influence of alcohol and/or other drugs  5.20 - Unfit for duty |
| 6.1 - Inadequate guards or barriers  6.2 - Inadequate or improper protective equipment  6.3 - Defective tools, equipment or materials  6.4 - Congestion or restricted action | 6.5 - Inadequate warning system  6.6 - Fire and explosion hazards  6.7 - Poor housekeeping; disorderly workplace | | 6.8 - Hazardous environmental conditions: gases, dusts, smokes, fumes, vapors  6.9 - Noise exposure  6.10- Radiation exposures | | 6.12- High or low temperature exposures  6.13- Inadequate or excessive illumination  6.14- Inadequate ventilation |
| **BASIC/ ROOT CAUSES - 6. SUBSTANDARD CONDITIONS** | | | | | |
| 7.1 - INADEQUATE PHYSICAL/PHYSIOLOGY CAPABILITY  7.1.1 - Inappropriate height, weight, size, strength, reach, etc.  7.1.2 - Restricted range of body movement  7.1.3 - Limited ability to sustain body position  7.1.4 - 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 allergies  7.1.7 - Sensitivities to sensory extremes (temperature sounds, etc.)  7.1.8 - Vision deficiency  7.1.9 - Hearing deficiency  7.1.10 - Other sensory (touch, taste, smell, balance)  7.1.11 - Respiratory incapacity  7.1.12 - Other permanent disabilities  7.1.13 - Temporary disability  7.2 - INADEQUATE MENTAL/PSYCHOLOGICAL CAPABILITY  7.2.1 - Limitation or incompatibility with assigned task (permanent disability)  7.2.2 - Limitation or incompatibility with assigned task (temporary disability)  7.2.3 - Fears and phobias  7.2.4 - Emotional disturbance  7.2.5 - Mental illness  7.2.6 - Intelligence level  7.2.7 - Inability to comprehend  7.2.8 - Poor judgment | | 7.2.9 - Poor coordination  7.2.10 - Slow reaction time  7.2.11 - Low mechanical aptitude  7.2.12 - Low learning aptitude  7.2.13 - Memory failure  7.2.14 - Inadequate initial training  7.3 - PHYSICAL OR PHYSIOLOGICAL STRESS  7.3.1 - Injury or illness  7.3.2 - Fatigue due to task load or duration  7.3.3 - Fatigue due to lack of rest  7.3.4 - Fatigue due to sensory overload  7.3.5 - Exposure to health hazards  7.3.6 - Exposure to temperature extremes  7.3.7 - Oxygen deficiency  7.3.8 - Atmospheric pressure variation  7.3.9 - Constrained movement  7.3.10 - Blood sugar deficiency  7.3.11 - Drugs  7.3.12 - Non-work related medical condition/medication  7.4 - MENTAL OR PSYCHOLOGICAL STRESS  7.4.1 - Emotional overload  7.4.2 - Fatigue due to mental task load or speed  7.4.3 - Extreme judgment/decision demands  7.4.4 - Routine, monotony, demand for uneventful vigilance  7.4.5 - Extreme concentration/perception demands  7.4.6 - “Meaningless” or “degrading” activities  7.4.7 - Confusing directions | | 7.4.8 - Conflicting demands  7.5 - LACK OF KNOWLEDGE  7.5.1 - Lack of experience  7.5.2 - Inadequate orientation  7.5.3 - Inadequate initial training  7.5.4 - Inadequate update training  7.5.5 - Misunderstood directions  7.6 - LACK OF SKILL  7.6.1 - Inadequate initial instruction  7.6.2 - Inadequate practice  7.6.3 - Infrequent performance  7.6.4 - Lack of coaching  7.7 - IMPROPER MOTIVATION  7.7.1 - Improper performance is rewarded  7.7.2 - Proper performance is punished  7.7.3 - Lack of incentives  7.7.4 - Excessive frustration  7.7.5 - Inappropriate aggression  7.7.6 - Improper attempt to save time or effort  7.7.7 - Improper attempt to gain attention  7.7.8 - Inappropriate peer pressure  7.7.9 - Inappropriate leadership example  7.7.10 - Inadequate performance feedback  7.7.11 - Inadequate reinforcement of proper behavior  7.7.12 - Improper production incentives | |

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| **BASIC/ ROOT CAUSES - 8. JOB FACTORS** | | |
| 8.1 - INADEQUATE LEADERSHIP AND/OR SUPERVISION  8.1.1 - Unclear or conflicting reporting relationship  8.1.2 - Unclear or conflicting assignment of responsibility  8.1.3 - Improper or insufficient delegation  8.1.4 - Giving inadequate policy, procedure, practices or guidelines  8.1.5 - Inadequate work planning or programming  8.1.6 - Inadequate instructions, orientation, and/or training  8.1.7 - Providing inadequate reference documents, directives and guidance publications  8.1.8 - Inadequate identification and evaluation of loss exposures  8.1.9 - Lack of leader/management job knowledge  8.1.10 - Inadequate matching of individual qualifications and job/task requirements  8.1.11 - Inadequate performance measurement and evaluation  8.1.12 - Inadequate or incorrect performance feedback  8.2 - INADEQUATE ENGINEERING  8.2.1 - Inadequate assessment of loss exposure  8.2.2 - Inadequate consideration of human factors/ergonomics  8.2.3 - Inadequate standards, specifications, and/or design criteria  8.2.4 - Inadequate monitoring of construction  8.2.5 - Inadequate assessment of operational readiness  8.2.6 - Inadequate monitoring of initial operation  8.2.7 - Inadequate evaluation of changes  8.3 - INADEQUATE PURCHASING  8.3.1 - Inadequate specifications on requisitions  8.3.2 - Inadequate research on materials/equipment  8.3.3 - Inadequate standards, specifications to vendors | 8.3.4 - Inadequate mode or route acceptance  8.3.5 - Inadequate receiving inspection and acceptance  8.3.6 - Inadequate communication of safety and health data  8.3.7 - Improper handling of materials  8.3.8 - Improper transportation of materials  8.3.9 - Inadequate identification of hazardous items  8.3.10 - Inadequate salvage and/or waste disposal  8.4 - INADEQUATE MAINTENANCE  8.4.1 - Inadequate preventative - assessment of needs  8.4.2 - Inadequate preventative - lubrication and servicing  8.4.3 - Inadequate preventative - adjustment/assembly  8.4.4 - Inadequate preventative - cleaning or resurfacing  8.4.5 - Inadequate reparative - communication of needs  8.4.6 - Inadequate reparative - scheduling of work  8.4.7 - Inadequate reparative - examination of units  8.4.8 - Inadequate reparative- part substitution  8.5 - INADEQUATE TOOLS AND EQUIPMENT  8.5.1 - Inadequate assessment of needs and risks  8.5.2 - Inadequate human factors/ergonomics considerations  8.5.3 - Inadequate standards or specifications  8.5.4 - Inadequate availability  8.5.5 - Inadequate adjustment/repair/maintenance  8.5.6 - Inadequate salvage and reclamation  8.5.7 - Inadequate removal and replacement of unsuitable items | 8.6 - INADEQUATE WORK STANDARDS  8.6.1 - Inadequate inventory and evaluation of exposures and needs  8.6.2 - Inadequate coordination with process design  8.6.3 - Inadequate employee involvement  8.6.4 - Inadequate/inconsistent standards/procedures/rules  8.6.5 - Inadequate publication  8.6.6 - Inadequate distribution  8.6.7 - Inadequate translation to appropriate languages  8.6.8- Inadequate tracking of work flow  8.6.9 - Inadequate updating  8.6.10 - Inadequate monitoring use of standards/procedures/rules  8.7 - WEAR AND TEAR  8.7.1 - Inadequate planning of use  8.7.2 - Improper extension of service life  8.7.3 - Inadequate inspection and/or monitoring  8.7.4 - Improper loading or rate of use  8.7.5 - Inadequate maintenance  8.7.6 - Use by unqualified or untrained people  8.7.7 - Use for wrong purpose  8.8 - ABUSE OR MISUSE  8.8.1 - Condoned by supervision – intentional  8.8.2 - Condoned by supervision – unintentional  8.8.3 - Not condoned by supervision – intentional  8.8.4 - Not condoned by supervision – unintentional |