THIS IS A GUIDE. PLEASE CONTINUE TO FOLLOW INSTRUCTIONS IN INSTRUCTION BOX AS WELL AS LOOKING AT HIGHLIGHTED COMMENTS.

FREEPORT-McMoRan

Health, Safety and Environmental Plan (HSEP) Template

Thistemplateshould beused forcreatingtheHSEPas required bythe
FCXContractor Health, SafetyandEnvironmental Manual.

Company Name:	**CONTRACTOR NAME**

ACKNOWLEDGMENT: Prior to beginning work, the Contractor will work with the Freeport-McMoRan (FCX) Project Manager to prepare a project-specific Health, Safety and Environmental Plan (HSEP) with this template and submit to the applicable FCX site representatives for review and acceptance. The HSEP should describe the project and proposed work; all related hazards, risks and controls; what to do if things go wrong; and the expectations of all involved. It is a written plan for conducting the work in a safe and health-conscious manner to protect w environment. It is meant to be read and understood by the workers and followed. The leve proportionate with the complexity of the work. This document applies to all your company project, and the document must be kept on site for reference.

Make sure Contractor Initials are filled out throughout document.

Contractor Initials _____

IMPORTANT: The HSEP should NOT include copies of FCX policies, the contractor's written Health, Safety and Environmental Program or other program elements (e.g., Drug and Alcohol Program, Medical Surveillance Program, Hazard Communication Program, Respiratory Protection Program, Hearing Conservation Program, PPE Program, etc.). Instead, all policies/programs/program elements that are relevant to the work should be referenced, where necessary, but NOT included in the HSEP. The goal is to be project-specific, practical and concise. If the scope of work or other aspects of the project changes (e.g., addition of subcontractors), contact the FCX Contract Administrator and Project Manager or Representative.

Project Information	
Project Name:	
FCX Project Manager Name:	**Make sure these details are as accurate as possible. If two project managers will be working on this project make sure to list both.**
Mine Site/Operation:	
Project Location at the Site:	
Proposed Start Date:	

Project Scope of Work:

Scope of Work MUST INCLUDE:

1. **Major work activities**
2. **Sequence of work, work phases, and duration of work**
3. **Mobile equipment, vehicles, and any equipment being used for the job**
4. **Demobilization steps**
5. **Lockout locations and attached plan (if required)**

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Contractor Project Personnel and Coordination (Key Personnel)

List the contractor personnel who will be instrumental to the success of the project (e.g., Contractor's Construction Manager, Field Supervisor, etc.) and their primary functions and responsibilities. Additional positions can be added to the additional information section at the end of the HSEP.

	Title/Position	Name	Phone Number & Email
1			
Responsibility:			
2			
Responsibility:	**Make sure you identify the Responsibility of each employee listed.**		
3			
Responsibility:			
4			
Responsibility:			
5			
Responsibility:			

Subcontractor(s)

All contractors mustbepre-qualifiedpriortoworkingonsite/project.ContacttheFCXGlobalSupplyChainRep for questions.
Additional subcontractors can be added to the additional information section at the end of the HSEP.

Check box if HSE Plan will apply to subcontractor	Date Subcontractor pre-qualified	Subcontractor Company Name
☐		
☐		
☐		
☐		
☐		
☐		

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Expectations
ACKNOWLEDGMENT: All contractor and subcontractor employees will comply with all federal, state, local and county laws and regulations as well as ~~FCX Health & Safety~~ and ~~Environmental~~ policies and the ~~Contractor Health & Safety and Environmental Manual~~. No worker shall work alone in a hazardous area without a plan for visual or audible communication with another worker. All workers shall be obligated to stop work on the project when presented with unsafe conditions or if questions about the work plan and controls arise. **Contractor Initials _____**
Management of Change
ACKNOWLEDGMENT: The HSEP will be modified to reflect any changes in the scope of work, site location, characterization or conditions or introduction of new fatal risks. Work with local project managers and GSC reps to initiate this process. Any changes to the HSEP will be reviewed and accepted by appropriate FCX representatives prior to implementing changes. **Make sure these Contractor Initials are filled out.** **Contractor Initials _____**
Incident Notification, Reporting and Investigation
ACKNOWLEDGMENT: The contractor will verbally report any safety or environmental incidents to the project manager as soon as reasonably possible after ensuring the safety of the project site personnel. Incident reporting procedures may vary by site – at minimum, the contractor must provide an initial written report to site contacts (safety/security, environmental, etc.) by the end of the occurring shift. This report will include location of the incident, name of person(s) involved, equipment involved, time and date of incident, nature/type of the incident, a brief description, injured body part(s) (where applicable), and contact information of person filing the report. The contractor will follow associated site procedures and submit all required documentation for report completion as soon as reasonably possible but not more than 24 hours after the incident. The contractor will be responsible for any health and safety notification to government agencies within regulatory time limits. Root Cause Analysis and associated actions plan participation will be required for higher risk incidents. **Contractor Initials _____**

Training (Project Manager Supports Completion)
Describe the training requirements and process for thevarious jobtasks (initial andrefresher).Traininglisted should include FCX compliance training, regulatory training, site-specific training and project-specific training, as applicable. For example, do equipment operators have hands on training and assessment? HSEP must state that employees working on the site must be trained to the level required by the work, their job function and responsibilities, and those who are not trained to this level cannot participate in or supervise field activities. Training must include bi-annual Emergency Plan rehearsal. Specify the location where training documents and certificates are held by the contractor. **! Ensure associated FCX trainings in Risk Management section are addressed here.**
ALL TRAINING MUST BE IN ISN BEFORE COMING TO SITE. **All contractors accessing or completing work at any North American site must complete the following Core Training Requirements:** 1. **MSHA Certification** 2. **Area-Specific Training that covers all facilities where contractor employees will be working** 3. **Contractor Orientation North American (Available in ISN)** 4. **North American Hazard Recognition Video (Available in ISN)** 5. **FCX Mining - Workplace Examinations (Available in ISN)** 6. **FCX Mining - Site Specific Hazard Recognition Brochure (Available in ISN)** **There are additional compliance training that may be required based on HSEP information. These trainings include:** 1. **Confined Space** 2. **Fall Protection** 3. **LOTOTO** 4. **Hot Work** 5. **Crane and Rigging** 6. **Mobile Equipment** 7. **Flagging and Barricading** 8. **Electrical Safety Training**

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Sanitation (Project Manager Supports Completion)

Describe toilet and washing facilities, project personalhygienepracticesandworkers access topotable water (in case of remote access work; this may require "wilderness techniques"). Reference OSHA 1926.51 for best practices. If utilizing facilities provided by FCX, please state that fact.

What facilities will this contractor use?

Communications (Project Manager Supports Completion)

Describe communications devices to be used on the project(e.g.,radios, phones,satellite phones orbeacons,etc.) and who will have them. Describe any safe production communication (e.g., Project kick off meeting), daily tailgates (e.g., line-out meetings) or pre-job planning, monthly safety/environmental meetings, and communication with contractors and sub-contractors. Ensure the content and who shall attend those required meetings are recorded here.

Details should include:

- **Tailgate Meeting Information**
- **Safety Stand Downs**
- **Project Kickoff Meeting Details**

What form of communication will be used?

What radio channel will this contractor be working on?

Contractor will be provided radios by their Project Manager if needed.

Project Access and Control (Project Manager Supports Completion)

Describe project security measures to keepunauthorized persons from the project/workarea, what equipment/personnelwillbe used to keep people out of the project work zone (e.g., fencing, attendant, restricted area signage, etc.). Define who will be allowed to enter the project area if exclusions are used. Include contact information available for requesting entry (radio channel/responsible position, name and phone number, etc.) and locations of entry.

Details should include:

- **Flagging and Barricading locations, entrant requirements, and contact points**
- **Confined Space entry and exit procedures**
- **Radio Channels for confined space and flagging and barricading**
- **Contractor badges for general site access prior to project start**

Emergency Plan (Project Manager Supports Completion)

Describe roles and responsibilities that will be responsible forensuringemergency responseand notifications to any emergencies on the project site. Address who will notify employees and stop work where necessary. Describe needed communication procedures and devices on the project site (E.g., if the project is in an area with no cell phone service, radios may be necessary). Describe planned evacuation routes for applicable emergencies and methods for implementing emergency drills. Address any emergency PPE and equipment that may be required in the emergency plan (e.g., non-entry rescue devices for confined space, rescue equipment for work on/near bodies of water, methods for rescuing suspended workers, etc.). List name and address of nearest medical facility to be used for emergency medical services.

Mayday Procedures
Nearest Medical Facility
Contractor Company Emergency Procedures (for confined space rescue, injury procedure, etc.)
Initial Emergency Response Procedures (Confined Space Rescue Tripod, Manlift for WAH, etc.)

Initiating Mayday:
Press/hold the FCX issued radio's orange button.
Or call Mayday, Mayday, Mayday on any of the FCX radio channels
Or call the security office phone number: 719.486.7583

Steps during Mayday for initiating party:
1. State Mayday, Mayday, Mayday
2. State your name, and department (do not state names of impacted individuals)
3. State your exact location or closest nearby building/known area.
3. State the nature of the emergency
4. State the number of individuals involved (do not announce name (s) of individuals involved.
5. state hazards in the area and any other information that may aid emergency responders
6. Secure the scene, ensure personal and patient safety as best as you can until Climax Emergency Response Team or 911 services arrive on scene. Do not put yourself or others in danger while waiting. If in doubt or are unsure you can communicate with Security/IC on Security FCX radio channel.
7. Assist Climax Emergency Response Team and 911 services by clearing out of the immediate area during patient care but remaining close by for assistance and statement procurement. Do not leave the area unless directed by a member of Climax Emergency Response team.

NEVER CALL 911-ONLY CLIMAX SECURITY SHALL CALL 911 AT THE DIRECTION OF THE ESTABLISHED INCIDENT COMMANDER DURING MAYDAY OPERATIONS.

Personnel and Environmental Monitoring (Project Manager Supports Completion)

Describe the program for periodicair monitoring, personnelmonitoring and environmentalsampling, if needed, per projectscope. Include the techniques and instruments to be used, the frequency and types of monitoring, action levels, methods of maintenance and calibration of monitoring equipment, and documentation. HSEP must reference the contractor's written monitoring plan. If working in a high silica environment, clarify who will be responsible for sampling per MSHA 30 CRF Part 60 (contractor or FCX). This must be verified with the project manager and FCX Industrial Hygiene/Health & Safety.

List applicable environmental hazards and PPE used to mitigate.
Include health hazards (radiation, radon, toxics, silica, noise, etc.)

Medical Surveillance

Describe any project medical surveillance requirements. If medical surveillance is required (e.g.,for work under regulatory program, hearing conservation, lead exposure, respirator use, etc.), the HSEP must reference the contractor's written Medial Surveillance Program. If working at a site under MSHA jurisdiction, ensure medical surveillance and respiratory protection programs comply with MSHA 30 CFR Part 60 requirements by 4/8/2026.

Reference the Contractor's written Medical Surveillance Program

Decontamination or Cleaning Procedures

Describe any possible types of contamination and decontamination proceduresforpeople and equipment, if needed. If decontamination procedures are necessary, the HSEP must include requirements that all employees leaving a contaminated area must be appropriately decontaminated; all contaminated clothing and equipment leaving a contaminated area must be appropriately disposed of or decontaminated; decontamination must be performed in geographical areas that will minimize the exposure of uncontaminated employees and equipment to contaminated employees and equipment; all equipment and solvents used for decontamination must be decontaminated or disposed of properly; and protective clothing and equipment must be decontaminated, cleaned, laundered, maintained or replaced as needed to maintain their effectiveness (E.g., some workers may encounter lead exposure. Those workers might wear disposable suits, have boot wash facilities and be provided heavy metal soaps for hygienics.)

List contamination sources and mitigation procedures (ex: hazardous chemicals, lead exposure, etc.)

Other Miscellaneous Plans, Tools, etc.

Describe any other contractor company-specific plans,specialtoolsorequipment,etc.,fortheprojectthathasnot been mentioned above.

This is where you can list additional contractor employees coming to site that were not listed in the Key Personnel section.

Health and Safety Risk Assessment

Please complete the following FatalRisk Management assessment by selecting applicable FRMs associated with your scope of work. Comments should be a description ofwhat the controls will looklike on your specificjobsite (E.g.,if barriers and segregation are the control, describe as barricade tape and warning signs, a 3-foot dirt berm, etc.)

(Project Manager Supports Completion)

Blasting: Exposure to thermal, overpressure and fragment hazards associated with explosives and explosive components. ☐ 

Critical Controls	FRM Controls
Storage of Explosives & Access Control	Are powder and cap magazine gates properly bonded for grounding and covered with a spark-reducing coating? Are explosives, blasting agents and detonator storage areas kept locked and secured when unattended? Are explosives and detonators (caps) stored in separate areas?
Explosives Transportation & Vehicle Inspections	Have all other shaft operations been stopped during hoisting of explosives or detonators (caps)? Are explosives and detonators (caps) hoisted on separate hoist trips? Has the vehicle being used to transport explosives been properly inspected? Are all personnel handling explosives authorized by all appropriate national or local regulatory authorities? Are smoking and vaping prohibited when handling, using and transporting explosives? Are detonators (caps) kept separated from explosives and blasting agents until loaded in round?
Communication & Clearing	Has the drift been properly demarcated prior to loading rounds to prevent unauthorized entry? Have all personnel directly involved been instructed as to their responsibility, the location and size of the blast? Are all personnel verified to be cleared of the blast zone before initiating the blast? Are guards posted prior to initiating the blast to ensure no one enters the blast area? Is the imminent blast communicated to personnel on site prior to initiating the blast? Has permission to blast been given by all responsible parties? Has the designated wait time elapsed before entering the blast area?
Blast Site Access Control & Work Execution	Has all mobile equipment been cleared of the blast zone including where there may be potential breakthrough? Are personnel using spark-resistant tools when handling explosives?
Management of Misfires	Prior to inspecting for misfires in the blast area, has air monitoring been conducted? Are blast areas being inspected for misfires by a minimum of two competent employees post blast? Are appropriate procedures being followed when misfires are discovered?

Contractor Comment:

Contractors working in the Pit will identify this FRM. List clearing procedures and site access.

ConfinedSpace : Exposure to a hazardous environment in a confined space. ☐ 

!Associated Training: Confined Space Entry

Critical Controls	FRM Controls
Entry Permit Execution	Has the space been evaluated using the permit to determine if the space is a permit-required Confined Space? Have Confined Space Permit requirements been verified, and are they understood by the entry team?
Atmospheric Monitoring	Are proper air monitoring procedures being followed throughout the entry?
Energy Isolation	Have all energy sources been identified, isolated, dissipated, locked out and tried out?

Access & Working Surface	Have fall from height, engulfment, safe access, working surfaces and falling object hazards been addressed?
Ventilation	Is proper ventilation being provided (consider air flow requirements, adjacent work, generator exhaust, welding fumes, etc.)?
Communication	Have proper communication practices been put in place?
Evacuation	Is there a dedicated Entry Attendant, and do they know when to evacuate the Confined Space? Is there an emergency plan designed and prepared for the Confined Space?

Contractor Comment:

List rescue equipment, rescue plan, monitors that will be used, type of ventilation used, and describe entry and exit procedures (requirement to call security).

Contact with Molten Material: Coming into contact with molten metal. ☐



Critical Controls	FRM Controls
Cooling Element Monitoring	Have the required inspections on the cooling system been completed? Has cooling water been established on the shaft furnace and/or vertical furnace? Have adequate flow and temperature on the cooling elements been confirmed, and do personnel know what to do if it is out of spec? Have all hoses and fittings been inspected to ensure no leaks on the tap plates?
Eng. Molten Metal Conveyance Systems	Have the fixed transport systems been inspected to ensure that they are in good operating condition and free of any foreign materials?
Water & Molten Metal Segregation	Has the area below the furnaces been inspected to ensure they are free of standing water? Are charged materials controlled to prevent explosive bath positions? Has the system been purged to ensure water will not enter the vessel? Are launders and converter aisles free of water? Are hot pots being used to prevent explosion?
Fire Suppression Systems	Does the equpiment that interacts with molten metal have a fire suppression system installed, and is it in good working order? Are the fire suppression nozzles free of blockage and pointed in the right direction to facilitate an escape from a fire?
Furnace & Taphole Integrity	Has a visual inspection for defects on the taphole(s) been conducted along with all other required operational inspections? Is a redundant tapping machine available and operational? Are taphole plugs and supplies available and in good condition? Do personnel have the proper training to Oxy lance and drill a taphole? Are refractory repair schedules being met, and do inspections indicate that they are effective? Are taphole replacement procedures for cool down times and notification requirements followed? Is the tapping machine drill steel properly aligned to prevent damage to the tape plate and taphole? Have the Oxy lance and all connections been inspected prior to use? Are warning lights and barricades in place for active tapping? Are the spill containment systems maintained and effective? Are all areas below furnaces and tapholes free of any accumulated water or foreign material?
Hot Metal PPE	Has all Hot Metal PPE been inspected prior to use and free from modifications, and is the PPE being worn correctly?
Pot Level Control	Are visual checks of the pot level taking place during the fill? Are all automatic and manual level controls working properly? Is adequate freeboard being maintained in the pot, and is the pot on a level surface?
Chemistry & Process Controls	Are temperatures within upper and lower limits? Are samples collected and sent to the lab per established procedures? Are furnace levels monitored according to the SOP requirements? Are temperatures monitored according to the SOP requirements? Are the established furnace process controls maintaining stable furnace conditons? Are changed materials added per SOP requirements?
Access Control	Are controls for restricting access of people and vehicles in place? Have crossing gates been provided at vehicle crossing locations of the slag hauler, and are they closed during molten metal hauling operation? Is equipment locked out/secured prior to personnel entry into molten metal discharge areas? Are signs and procedures in place to keep people out of hazardous areas?
Cooling System Integrity	Has the over-filled pot been cooled per the established SOP? Have the molds been inspected to ensure no water can come into contact with molten material? Have vessels been inspected for any hot spots? Has the system been purged to ensure water will not enter the vessel?

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Contractor Comment:

Drowning: Exposure to the risk of drowning in natural or manmade bodies of water or other vats, cells, vessels and other opencontainers of liquid.	☐ 

Critical Controls	FRM Controls
Barriers & Segregation	Is access to the area restricted by physical barriers, and are the controls to pass the barriers posted? Is the possibility of an inrush of solution/material controlled and/or accounted for? Does the signage in the area clearly display the appropriate and adequate information for the area?
Flotation PPE	Is PPE readily accessible, in good condition and in accordance with manufacturer's specifications? Is PPE being worn properly?
Access Control	Is safe access established?
Access	Have the equipment inspections been performed? Are the equipment/access vehicles being maintained to OEM standards? Is the operation of the equipment within the safe operating capacities?
Emergency Response	Has a rescue plan been established, approved and communicated? Are the proper responding personnel notified and available to respond in the event of an emergency? Do all personnel in the work area understand the rescue plan and what role they serve?

Contractor Comment:

List all work areas where they will be working near an open body of water.

- **Personal Floatation Devices**
- **Rescue Devices**
- **Rescue Plan**
- **Barriers to mitigate hazard**

Entanglement and Crushing: Contact with machinery/moving parts (entanglement, crushing, pinching, penetrating and cutting forces). **!Associated Training: Control of Hazardous Energy**	☐ 

Critical Controls	FRM Controls
Barriers & Segregation	Has flagging and barricading been properly installed to alert personnel of the hazards present?
Equipment Integrity	Are interlocks, emergency stops and pull cords functioning properly?
Guarding	When working around operating equipment, is the guarding sufficient to protect employees from entanglement?
Job Execution	Are safe distances being maintained when working around unguarded moving equipment, and are procedures clearly understood? Have escape routes been considered if something were to go wrong? Is the work process streamlined to minimize exposure to an

	entanglement hazard?
Energy Isolation	Have all energy sources been identified, isolated and de-energized prior to starting work? Have proper LOTOTO procedures been followed and completed?
Mechanical Blocking	Have devices installed to prevent unintentional movement been inspected for proper installation?
Work Completion	Have any installed blocking devices been removed? Have guarding and barricades been properly replaced and secured? Have all employees been accounted for and notified of start-up?

Contractor Comment:

- **Flagging and Barricading Control**
- **Type of Barricading**
- **Person in Charge of Barricading**
- **Radio Communication or Phone Number**
- **Appropriate lockout procedures**

Exposure to Electrical Hazards: Exposure to electrical shock or arc flash.

! AssociatedTraining:TankhouseElectrical Safety



Critical Controls	FRM Controls
Switching Procedures	Are the ground isolators working? Is there access to up-to-date drawings? Have all affected parties been notified? Has an SOP and/or Risk Assessment been established and reviewed for the work that is taking place? Has a JSA been conducted and reviewed prior to performing work? Have the switching procedures been reviewed, approved and communicated?
Labeling & Energy Identification	Are arc flash rating labels up to date and reviewed by a competent person? Is the equipment and isolation point(s) labeled as required and the information accurate and legible? Are personnel using any electrical drawings for the work that is being performed?
Energy Isolation	Are personnel trained for the task at hand? Have personnel verified if there is any stored or residual energy? Has the load been removed or reduced to a proper switching level prior to energy isolation? Have all potential energy sources been identifed? Is an ECC required for the task/work being perfomed? Is the equipment maintained and in good condition? Has any energized work taking place been reviewed and approved?
Electrical PPE	Has the correct PPE been selected, inspected and put on properly prior to work starting? Is the arc flash protection PPE adequate per the labeling?
Barriers & Segregation	Are the barriers adequate for the protection of all personnel? Have all evacuation points been identified and communicated?
Emergency Response	Has a rescue plan been developed and reviewed? Have personnel been trained to respond to someone who is being electrocuted?

Contractor Comment:

- **List appropriate PPE**
- **Identify lockout points**
- **Energy Sources**
- **Emergency Plan for Electrical Safety**
- **Barriers**

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Exposure to Hazardous Substances – Acute: Workplace exposure to substances that are immediately toxic, asphyxiating orcorrosive(e.g.,H_2S gas, NO_2gas,COgas, concentrated acids, caustics, etc.).



!Associated Training: Hazardous Gas Monitoring (Area Specific)

Critical Controls	FRM Controls
Atmospheric Monitoring	Is the personal air monitoring equipment in use, functioning properly and within the designated breathing zone, where required?
Emergency Response	Do I understand the evacuation procedures if an alarm (both personal and/or stationary) is triggered? Can I recognize an upset condition that may warrant evacuation if no alarms are present?
Engineering Controls	Are proper process controls (pH, temperature, cell voltage, ventilation, etc.) systems (including backups) functioning properly to prevent unintended release of hazardous substances? Are chemical connections unique/locked to prevent mixing of incompatable materials? Are eyewash stations/safety showers/wind socks available and functioning properly?
Storage & Distribution	Are chemical process lines/storage containers in good condition and/or monitored through instrumentation to verify proper function (e.g., leak detection)?
Handling Requirements	Are proper loading/unloading procedures being followed?
Work Practices	Have I reviewed the SDS, and do I understand the information (e.g., safe handling requirements, emergency safety procedures)?
PPE	Is proper PPE for the task/area being used or quickly available (e.g., escape respirators)?
Barriers & Segregation	Are restricted areas clearly signed and demarcated?

Contractor Comment:

- **Chemicals being used**
- **How to access SDS**
- **PPE**
- **Make sure chemical is approved by Safety & Environmental**

Exposure to Hazardous Substances – Chronic: Workplace exposure to carcinogens and other substances that can causelethaldisease overtime(e.g.,silica,arsenic,lead,welding fumes, asbestos, acid mist, etc.).



Critical Controls	FRM Controls
	General
Handling Requirements	Do employees understand all of the chronic health hazards in the area? Has the hazard been identified on a pre-task assessment or documented on the Workplace Exam? Are physical controls (i.e. barriers) and signage in place to prevent unauthorized access? Are personnel authorized to work in the area where the hazardous substance is present? Is the lunchroom free of PPE and kept clean to help prevent the spread of contaminants?
PPE	Are employees wearing the right level of respiratory protection for the work that is being performed? Have employees ensured that the PPE is in good conditon prior to use?
Engineering Controls	Are break rooms or offices under positive pressure, sourced from clean air and functioning properly?

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Acid Mist	
Engineered Controls	Are there adequate mist suppressant controls in place to help reduce exposures? Do employees understand the operational conditions required to achieve acceptable mist levels? Is mist suppressant being added at the correct dosage? Have employees verified that ventilation is providing adequate airflow?
Silica & Heavy Metals	
Handling Requirements	Are employees using vacuum systems or wet methods instead of shoveling, sweeping or air lancing, where feasible?
Engineered Controls	Do employees know what effective dust control looks like?
PPE	Are employees wearing the right protective clothing?
Metal Fumes	
Handling Requirements	Does the employee know the type of material they are welding on? Has the surface been cleaned, or have contaminants been removed prior to welding or cutting?
Engineered Controls	Have exposures to other employees in the area been controlled? Are fumes effectively controlled using localized exhaust ventilation, downdraft tables or natural ventilation to help minimize or eliminate fume exposure?

Contractor Comment:

- **Chemicals being used**
- **How to access SDS**
- **PPE**
- **Make sure chemical is approved by Safety & Environmental**

Fall from Heights: Person struck by vehicle/mobile equipment. Working at height where the danger of falling exists.

! AssociatedTraining:Working at Heights



Critical Controls	FRM Controls
Fall Protection System	Has the fall protection harness been properly inspected prior to use? Has the right fall protection been selected for the task? Are proper tie off/anchor points readily available and allow for 100 percent tie off at all times?
Platforms & Scaffolding	Has the fixed work scaffolding/work platform been approved and inspected prior to use by a qualified and competent person? Is the scaffolding protected from any potential impact by equipment?
Mobile Platforms	Has the mobile platform been approved for the work and inspected by a competent person? Do the operating conditions (weather, ground conditions) allow for safe operation of the mobile platform?
Leading Edges & Open Holes	Have all leading edges and/or open holes been properly guarded or hand barricaded? Have adequate protection systems been installed and inspected?
Emergency Response	Has a rescue plan been reviewed and approved by the team?

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Contractor Comment:

- **Appropriate PPE listed**
- **Barricading**
- **Area identified**
- **Exposures identified**

Falling Objects: Exposure to falling objects (e.g., tools, material, equipment, structures, etc.). Note: Does not include lifting operationsor objects falling from slopes or benches.



!Associated Training: Flagging & Barricading

Critical Controls	FRM Controls
Barriers & Segregation	Are the barricades/flagging appropriate for the hazards(s) present and placed 360 degrees around the hazard(s)? Is the work area protected by barricading or flagging at enough distance to prevent objects/materials from impacting personnel on a lower level?
Overhead Structure	Does the overhead structure show signs of degradation/impact that could compromise its integrity? Is the work platform(s) maintained in good condition (e.g., toe boards, continuous work surface, no holes in grating, etc.)? Is guarding sufficient to catch any materials that may have the potential to fall?
Work Execution	Has the work execution been reviewed to eliminate the need for personnel to work below active work areas? If people are working below, are proper protections and PPE in place and being used? Are tool lanyards in use when people need to be working below the work area? When pausing/completing a job, have potential objects that could fall been properly secured or removed (consider environmental factors such as wind)?

Contractor Comment:

- **Flagging and Barricading**
- **Communications with other crafts in the area**
- **What safety devices are being used**

Fire: Exposure to thermal, particulate, gas or vapor hazards from a fire.



! Associated Training: Hot Work

Critical Controls	FRM Controls
Escape Routes	Are walkways, pathways and exit routes free and clear of debris? Are exit routes properly identified and posted?
Pre-work Planning, Inspections & Communication	Are extinguishers easily accessible at exit locations and the size/style appropriate for the area? Is the appropriate PPE available and being used for the hazards present? Has a JRA/JSA/HASP been completed and reviewed prior to work starting? Have LOTOTO and isolation points been identified to ensure that flammable gases/liquids are mitigated from being a hazard? Have pre-op inspections been completed prior to starting work? Has a communication method been established for the employees involved in work execution?
Hot Work & Fire Watch	Has the fire watch received training and understands the workflow and any associated risks? Has a dedicated fire watch been assigned to the work? Have communication paths been identified for the fire watch? Have the proper permits been completed prior to work and properly closed out after the work?

Storage of Product & Material	Have all products/materials been identfied, properly labeled and stored in good order? Have incompatable products and materials been separated or stored away from each other and properly secured? Have stored materials been protected from any hot work? Are chemical off-loading points secured so that materials/products/reagents are not off loaded in the wrong area(s).
Chemicals, Materials & Product	Are personnel properly trained to handle the product/chemical or material? Has the proper PPE been identified, and is it in use? Have chemicals/products/materials been properly disposed of? Are the proper tools being used for the identified material/product being handled?
Barriers & Segregation	Has the proper barricading for the type of work been completed and established, and is it properly labeled? Have the work, hazards and duration of work been communicated to all affected personnel?
Emergency Response	Have rescue services, if applicable, been notified of the work being completed? Has a rescue or emergency response plan been reviewed and established? Are employees trained to respond to a fire and how/where to evacuate?
Fire Suppression Systems	Do suppression systems provide adequate coverage, and have they been inspected/tested? Have the fire containment devices been verified and tested, and are the inspection tags updated?
Detection & Alarms	Have the smoke alarms and detection systems been inspected and tested and the tags updated? Are fire control panels, if applicable, in working order, tested and inspected? Do the employees know what the alarms and tones mean?

Contractor Comment:

- **Storage of Flammable materials**
- **What type of Hot Work is being performed in the area?**
- **Communication Procedures with other crafts**

Ground Failure: Exposure to failure of natural slopes and temporary or permanent slopes which are excavated or constructedinrelation to mining activities or associated supporting infrastructure.



Critical Controls	FRM Controls
Verification/ Monitoring Systems	Are monitoring systems in place and in working condition? Have personnel received any notifications from dispatch or geotechnical groups that any issues are present in the area of work? Are evacuation procedures established and understood by all personnel?
Visual Inspections & Reporting	Is the angle of repose for stockpiles within acceptable limits? Are berms at adequate heights and thickness to keep equipment from going through? Have area inspections for ground conditions been conducted prior to work commencing? If adverse ground conditions are noted, were the conditions addressed and/or reported prior to work starting?
Slope Planning & Building	Do personnel understand the construction methods and design parameters that will maintain ground stability in order to prevent ground hazards from developing? Are controls in place to keep the below work area clear of personnel/equipment so slope construction can proceed? Are the equipment operators qualified and competent to execute the work at hand?
Excavation & Trenching	Is proper barricading and segregation established with adequate signage to keep all unauthorized personnel out of the work area? Have protections and safeguards been installed to prevent collapsing? Have entry and exit routes been established, and are they adequate for the work at hand? Have all utilities been identified, demarcated and documented by using the site's approved process?

Contractor Comment:

- **Describe inspection procedures**
- **What monitoring systems are in place?**
- **Communication and Emergency procedures**

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Interaction with Aircraft: Interaction with manned, unmanned, fixed and rotary wing aircraft.	
Operator Competency	Do all personnel have the required competency to operate this vehicle/equipment and perform this task (current operator license from appropriate aviation authority: FAA, TC, DGCA, Freeport-McMoRan training certificate, etc.)? Are personnel fit for duty (compliant with the drug and alcohol policy, well-rested, and free from fatigue and from stressful work-related or personal concerns that could potentially distract them from working safely)? Have personnel conducted a pre-operational inspection of the aircraft prior to use and taken action where critical (safety) items have been identified?
Aircraft Suitability & Maintenance	Is the appropriate aircraft being used for the work purpose and flight conditions? Have maintenance logs, weight and balance sheet, risk assessment, weather conditions, fuel status, and mission profile been reviewed, assessed and approved? Has other mission-related equipment been inspected and verified current/suitable for mission execution (sling, cargo nets, etc.)? Is emergency equipment readily available on board the aircraft? Does the aircraft meet all maintenance and airworthiness requirements?
UAS/UAV Pre-mission Planning	Have primary and alternate flight routes planning been conducted? Does the mission plan account for emergency conditions or contingencies en route? Have all passengers received an aircraft safety orientation and flight briefing? Can the flight be conducted within the limitations of the aircraft (e.g. weather conditions, etc.)? Is a plan in place in the event of weather degradation?
Communication	Are Flight Operations and Flight Following confirmed operational? Are all inter-cockpit communication devices available and operational for passengers?
Contractor Comment: • **Drone Usage** • **License to Operate** • **Flight route communications**	

Lifting Operations: Exposure to loss of control of a load suspended by a crane, hoist, forklift, boom or other lifting equipment. **!Associated Training: Cranes & Technical Rigging**	
Critical Controls	**FRM Controls**
Pre-shift Inspection	Has a proper pre-shift inspection of the lifting equipment been completed?
Barriers & Segregation	Are appropriate barricades erected around the lift to keep personnel out of the fall zone?
Communication	Has a designated form of communication been established? Have all personnel in a potential fall zone been notified?
Lifting Execution	Has a critical lift plan and permit been completed and communicated, where required? Has the weight, shape and center of gravity of the load been verified, and is it within the lifting capacity of the crane? Are the appropriate lifting devices chosen, and have they been inspected for the work environment/load?
Lifting Points	~~Are lifting points in accordance with ASME or equivalent standards?~~
Pre-lift Meeting	Has the lift team properly assessed the day of lift conditions? Are tag lines and/or push/pull sticks available for use, where required?

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Contractor Comment:

- **Identify affected areas**
- **Flagging and Barricading**
- **Identify lifting equipment**
- **Identify who will be doing the lift**
- **Critical Lift Plan**
- **Add a Lifting Inspection Plan**

Personnel Hoisting: Contact with, exposure to or unintended consequences related to the movement of people or equipment.



Critical Controls	FRM Controls
Pre-shift Inspection	Have the basket and all rigging been inspected for any damage? Has a pre-op inspection of the crane been performed? Has an unoccupied trial lift been performed (at 125 percent/rated capacity) with the basket and rigging?
Barriers & Segregation	Has the work area been barricaded or flagged off to prevent non-authorized entry?
Lifting Execution	Has a lifting plan and/or pre-lift meeting taken place to review the planned lift? Has the man basket/personnel hoisting form been completed? Are proper tie off procedures being used by personnel?

Contractor Comment:

- **No personnel lifting allowed onsite without variance**
- **Describe lifting plan**
- **Emergency Plan**
- **PPE and Tools including ratings**
- **Flagging and barricading**
- **Area of lift**

Rail Collision: Locomotive, rolling stock or other rail equipment colliding with or being hit by other vehicles, buildings or equipment.



Critical Controls	FRM Controls
Access Control	Have switches and derailers been inspected for proper operation? Do personnel have the proper authorization to access the area(s)? Are safe distances from the rail being adhered to? Reference site-specific SOPs for appropriate safe distances. Has communication been established with the railroad if outside personnel is working on or near the rail lines?
Fit for Duty & Fatigue Management	Are all personnel fit for duty, and has leadership completed fit for duty checks?
Operator Competency	Are operators up to date on all pertinent competencies?
Communication	Are established communication devices in good working order, and do all personnel on the rail have means of communication? Are employees aware of/trained for what actions need to take place if communication systems are lost?
Scheduling, Segregation & Rail Movement Control	Has communication of scheduled rail movements been established between all rail crews and verified with the dispatcher? Are train horns being used during rail movement? Are derailer/rail switches set properly? Is all rail equipment properly secured if being moved/pushed with another piece of equipment? Are all adequate methods of stop controls implemented per the area requirements?

Signaling & Signage	Are the required signals and signage in working order, legible and current with policies? Are “clear” points visible and clearly demarcated?
Contractor Comment:	

Rail Impact on Person: Locomotive, rolling stock or other rail equipment coming into contact with a person.	

Critical Controls	FRM Controls
Access Control	Are all present personnel authorized to be in the area? Have all segregation points been established? Have all “on rail” vehicles and rolling stock been reported to controllers? Are safe distances from the rail being adhered to? Reference site-specific SOPs for appropriate safe distances. Has communication been established with the railroad if outside personnel is working on or near the rail lines?
Fit for Duty & Fatigue Management	Are all personnel fit for duty, and has leadership completed fit for duty checks? Is the maintenace log book for the equipment up to date? Has a pre-operational inspection been completed, and is all equipment free of defects?
Operator Competency	Are operators up to date on all pertinent competencies?
Communication	Are established communication devices in good working order, and do all personnel on the rail have means of communication? Are employees aware of/trained for what actions need to take place if communication systems are lost? Have all personnel received training on communication procedures?
Scheduling, Segregation & Rail Movement Control	Has communication of scheduled rail movements been established between all rail crews and verified with the dispatcher? Are all adequate methods of stop controls implemented per the area requirements? Are train horns being used during rail movement? Are derailer/rail switches set properly? Have the rail cars been secured properly? Is the work area protected/secured by a derailer or other engineered control?
Signaling & Signage	~~Are the required signals and signage in working order, legible and current with policies? Are “clear” points visible and clearly demarcated?~~
Contractor Comment:	

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Underground Hazardous Atmosphere: Exposure to toxic atmosphere or oxygen deprivation underground.	

Critical Controls	FRM Controls
Refuge Chamber	Is there a properly stocked refuge chamber within a 30 minutfe walk of the work area? Do personnel know the primary and secondary escapeways to the portal or a refuge chamber from their work areas? Can personnel access the sealing materials, and do they know what to do with them? Do personnel know the contents available in the emergency box? Are personnel familiar with refuge chamber roles and responsibilites and where to access the checklist? Are personnel familiar with the communication systems and how to reach the surface for help?
Self-Rescuer	Do personnel have a self-rescuer on person, or is it within 25 feet? Have all self-rescuers been inspected to verify good working condition? Do personnel understand when to put on and how to properly don a self-rescuer?
Ventilation	Are ventilation systems functioning properly?
Gas Monitoring	Is personal air monitoring equipment in use, functioning properly and within the designated breathing zone, where required? Do personnel understand the evacuation procedures if an alarm (both personal and/or stationary) is triggered? Can personnel recognize an upset condition that may warrant evacuation if no alarms are present? Do personnel understand the ventilation flows and fresh air sources in their work area and the fans that supply that air flow? Are restricted areas locked to prevent unauthorized access?

Contractor Comment:

- **Ventilation Systems**
- **Identify underground area**
- **Mine Rescue Plan**
- **Identify radio channel**
- **Entry and exit procedures**
- **Natural ventilation points if using**
- **Schedule and notify Henderson Mine**

Uncontrolled Release of Energy: Exposure to stored energy from pressure. Items under tension or compression. **! AssociatedTraining:ControlofHazardous Energy**	

Critical Controls	FRM Controls
Energy Isolation/ LOTOTO	Have all potential sources of energy been verified, isolated and de-energized? Has a state of zero energy been confirmed for all identified isolation points? Have all potential control points been locked out with a site-approved lock and employee identification tag and the system(s) verified as de-energized? Have all utilities (visible and concealed) been identified, demarcated and documented by using the site-approved process?
Barriers & Segregation	Has the work area been adequately barricaded to keep all personnel out of harm's way in the event that uncontrolled energy is released? Have the barricades, barriers or guarding system(s) been inspected to ensure that the strength and integrity match the potential hazards?
HDPE Handling	Have all personnel involved with HDPE pipe handling received the required training? Has all HDPE pipe been stored according to the HDPE Pipe Handling Policy and Guidelines? Has the equipment being used to maneuver the pipe been verified for adequate lifting and pulling capacities? Are all personnel maintaining a minimum distance of 50 feet from the HDPE pipe while it is being moved?
Pressure Vessels & Relief Valves (PRVs)	Has the pressure vessel(s) undergone a thorough inspection and been certified by a competent individual? Is there any visible damage to the pressure vessel(s) or the supporting structure? Are the relief valve(s) arranged so that, in the event that the valve(s) opens, personnel will not be in the line of fire? Has the relief valve(s) undergone a thorough inspection and been certified by a competent individual? Are all pressure gauges in working order and displaying pressures within permitted limits? Do in-field instrumentation readings match the information displayed on computer monitoring/operating programs?
Mechanical Integrity of Hoses, Pipes & Equipment	Have the piping, hoses and equipment connections been inspected for overall condition and mechanical programs?

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Tire Handling	Has the wheel and tire assembly been inspected for any damage? Has the tire been deflated to the correct pressure prior to any work commencing? Is there an approved safety barrier/tire cage being used? Is a serviceable inflation/deflation instrument being used, and is the instrument properly calibrated? Are tires inflated with a remote inflation line? Are there risk management signs and/or JSA/JRA forms for outside personnel to review and sign off on prior to entering the area?
Tensioned Line Management	Have tensioned lines been inspected prior to use for overall condition? Does the tensioned line have the necessary strength/capacity rating?

Contractor Comment:

- **Energy sources**
- **LOTOTO procedures**

Underground Inrush: Exposure to crushing forces or oxygen deprivation caused by the sudden ingress of liquids or solids underground.



Critical Controls	FRM Controls
Draw Point Management & Control	Is the draw control plan understood and being followed for draw points?
Barriers & Segregation	Are drifts with potential inrush hazards being identified at entry points?
Ore Passes, Draw Points, Chutes & Raise Controls	Do personnel know how to identify potentially hazardous draw points? Have all affected employees been notified when processing wet muck? Are proper ratios of wet and dry muck being mixed in the ore pass to avoid plugging of chutes? Are controls in place for loading from wet chutes? Are hung chutes ribboned and tagged? Are procedures being followed to prevent too many buckets being placed into mud raises? Is the top of the mud raise locked when not in use or when mucking out of the bottom? Is the bottom of the mud raise locked to prevent access when dumping into the top?

Contractor Comment:

Underground Rock Fall: Exposure to rock that falls from the back or sidewalls underground.



Critical Controls	FRM Controls
Engineered Support Systems	Are ground control systems in place? Is the work area free from rock slabs, baskets, severely corroded bolts or expanding/changing cracks in the shotcrete? Are support bolts showing signs of loading?

Inspections & Monitoring	Are areas of loose ground that cannot be corrected immediately ribboned and tagged to prevent unauthorized entry, supervision notified, and noted on the workplace exam? (Geo Technical Inspections & Monitoring Systems)
Ground Control Management Plan	Do personnel understand not to work under unsupported ground? Has the area been inspected for adverse ground conditions? When entering restricted areas, are all ground control guidelines being followed? Has a quarterly scaling plan been executed in your work area?
Scaling	Has a workplace exam been conducted including inspection of ground conditions? Has all loose ground been mitigated? Do personnel understand how to scale the back and ribs and to only use a scaling bar? Is a clear escape route maintained during scaling? Has adequate clean up been performed after scaling?
Contractor Comment:	

Vehicle Collision or Rollover:Collision with another vehicle or fixed/moving object. Driving over an edge. Rolling over.



! AssociatedTraining:PitDrivingonMine Sites

Critical Controls	FRM Controls
Pre-operational Check	Have any issues identified on the pre-shift inspection been addressed and is the equipment/vehicle safe to operate? Has the work area been inspected to identify any hazardous conditions and controls implemented where necessary? Is the equipment functioning properly and being operated within design limits?
Human Factors	Is the operator fit for duty? Are seatbelts being worn properly?
Operator Competency	Is the operator authorized to be working in the area? Is the operator of the equipment/vehicle driving for the current and expected environmental conditions? Are proper parking procedures being adhered to?
Road Design & Condition	Are travel ways in good condition to safely operate equipment/vehicles? Are equipment and light vehicle segregation protocols well-defined and in use?
Communication	Are clear communication processes established and being used properly? Is signage visible and are hazards clearly marked?

Contractor Comment:

- **Preshift inspections**
- **Fit for Duty**
- **Communication Methods**

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Vehicle Impact on Person: Person struck by vehicle/mobile equipment.	

Critical Controls	FRM Controls
Pre-Shift Inspection	Have any issues identified on the pre-shift inspection been addressed and is the equipment/vehicle safe to operate? Is the equipment functioning properly and being operated within design limit?
Human Factors	Is the operator fit for duty?
Operator Competency	Is the operator of the equipment/vehicle driving for the current and expected environmental conditions?
Road Design & Condition	Are segregation protocols between equipment/vehicles and ground personnel well-defined and in use? Is sufficient lighting available in congested areas?
Communication	Is positive communication taking place to make people aware of tasks that could creat hazards?
Ground Personnel	Are ground personnel using the designated walkways (if provided) as designed? Are ground personnel wearing proper PPE (reflective vest) when working around equipment? Are ground personnel in a postion that could be impacted by a vehicle that loses control (e.g., line of fire).

Contractor Comment:

- **Preshift Inspections**
- **Fit for Duty**
- **Workplace Exams**
- **PPE**

Environmental Risk Management and Compliance

Release to Surface Waters 	The potential to impact surface water quality exists at all FCX operations. Water quality can be impacted through releases of process solutions, the intentional or unintentional introduction of other contaminants, the flow of water over areas of poor soil quality, and where water has the potential to negatively affect stability of engineered systems and potentially results in surface releases. Proper management and routing of runoff is paramount to ensure receiving waters are protected. Facilities may present different levels of risk based upon proximity to site boundaries and different drainages.
Release to Groundwater 	The potential to impact groundwater quality exists at all FCX operations. Water quality can be impacted through subgrade releases of process solutions, the intentional or unintentional introduction of other contaminants, and the introduction of flow of water through areas of poor soil quality. Release may be acute or chronic in nature. For example, a catastrophic spill may introduce groundwater contamination, while ongoing seepage from a storage, stockpile or tailings facility may do the same. Controls to prevent groundwater contamination vary by facility. Facilities may present different level of risk based upon process and potential contributors to groundwater contamination.

This section is intended to identify environmental risks that have the potential to impact surface water and groundwater and describe how the risks will be managed. Please initial and provide the information requested in the Contractor Response section.

Secondary Containment

Contractor Requirements

- Provide and maintain adequate secondary containment for all hazardous substances, petroleum-related products and process solutions.
- Secondary containment must be 110% of total capacity of largest tank or container.
- Secondary containments must be always free of debris and empty.

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Information Requested from Contractor

- An inventory of all planned secondary containments and procedures to ensure that containments remain free of debris and are emptied.

Contractor Initials _____

Bulk Containers for Petroleum Products

Contractor Requirements

- Comply with the applicable site Spill Prevention Control and Countermeasure Plan (SPCC).
- Develop, implement and maintain a temporary SPCC plan for bulk containers (≥ 55 gallons) if above the applicable capacity volume threshold of 1,320 gallons of petroleum products. The plan shall include management practices, procedures to refuel equipment and periodic inspections unless other arrangements are made specifically with the Environmental Department.

Information Requested from Contractor

- Temporary SPCC Plan (if applicable).
- An inventory of all bulk (>55 gallons) chemical storage locations, including contents (SDS name and common name), container type, size and quantity of containers, secondary containment, and location of spill kits (if not covered in Spill Containment Plan below).

Contractor Initials _____

Stormwater

Contractor Requirements

- Comply with the applicable site Stormwater Pollution Prevention Plan (SWPPP).
- Implement and maintain best management practices for the control and mitigation of stormwater impacts consistent with the applicable site stormwater management plan.
- Prevent discharges to drains and/or sewers, and do not add, disturb or modify stormwater controls, outfalls, channels, water dams or solution impoundment facilities without prior written approval from the Environmental Department.

Information Requested from Contractor

- A description of stormwater controls to be used and any plans to add, disturb or modify stormwater controls, outfalls, channels, water dams or solution impoundment facilities.

Contractor Initials _____

Spill Containment

Contractor Requirements

- Prepare and implement a Spill Containment Plan to contain and isolate the entire volume of any potential hazardous material or petroleum product spill. The plan shall include spill response materials that will be made available and are compatible with products in the work area for cleanup.
- Provide and maintain appropriate spill kits in work areas where petroleum products or hazardous materials are used.
- Take immediate action to stop any spills, and immediately notify the FCX Project Manager and the Environmental Department of any spills or other environmental incidents.
- Clean up any spills as directed by the FCX Project Manager and the FCX Environmental Department, and take all reasonable steps to prevent further release or spills.

Information Requested from Contractor

- The Spill Containment Plan.

Contractor Initials _____

Contractor Response:

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Air Release	**Description:** FCX operates various facility and industrial processes that emit regulated criteria and hazardous air pollutants into the atmosphere. The Clean Air Act requires the USEPA to set National Ambient Air Quality Standards for maximum allowable concentrations of six "criteria" pollutants in outdoor air. These critieria pollutants, including CO, NO_2, SO_2, Particulate Matter, Ozone and Lead, can cause adverse impacts to human health and environmental degradation. Hazardous air pollutants (HAPs) are another class of pollutants that may create human health or environmental impacts. Environmental impacts from air release may be realized from incidental releases and/or chronic deposition of air pollutants during normal operations. Air pollutant emissions should be managed in a way that is compliant with regulatory requirements and protective of human health and the environment.

This section is intended to identify environmental risks that have the potential to impact air quality and describe how the risks will be managed. Please initial and provide the information requested in the Contractor Response section.

Contractor Requirements

- Implement reasonable, adequate and appropriate dust control measures that minimize the potential to generate fugitive dust emissions. Activities shall be suspended if conditions (such as high winds) are such that dust control measures are not effective.
- Minimize emissions from mobile equipment using industry standard practices.
- Stationary sources mobilized to the site will require contractor permits appropriate to the control of emissions from the source.
- Notify the FCX Project Manager and the Environmental Department of any generator or engine brought on site requiring a permit; this does not include vehicle engines.
- Notify the FCX Project Manager and the Environmental Department prior to performing renovations on or demolition of any building to determine the presence of asbestos-containing material or other hazardous materials and to ensure required sampling can be completed in advance. All asbestos sampling, renovation and abatement activities must be conducted by a person certified to do so.
- Notify the FCX Project Manager and Environmental Department prior to performing maintenance on any equipment containing ozone-depleting substances. All ozone-depleting substance maintenance activities must be conducted by a person certified in Ozone Depletion Prevention.

Information Requested from Contractor

- A description of potential fugitive dust emission activities (e.g., earth moving, blasting, etc.) and the controls to minimize the generation of these dust emissions.
- An inventory of mobile equipment to be used; stationary sources mobilized to the site; generators and engines brought on site requiring a permit; and other emissions sources (e.g., drills and pumps) mobilized to the site. The inventory shall describe the controls used to minimize emissions and include the permits for any stationary source.
- A description of activities related to abrasive blasting (using approved grits such as garnet, slag, baking soda, etc.) and spray painting and the controls to be used to minimize emissions from these activities.
- A description of activities related to demolition, renovation or other activities that may result in a disturbance of asbestos-containing materials and the controls to be used to prevent emissions and exposure from these activities. Asbestos certifications must be provided for any person conducting asbestos activities.
- A description of activities that involve any use or handling of ozone-depleting substances (CFCs, HCFC, etc.) and the controls to be used to prevent the release of these substances. Ozone Depleting Prevention certifications must be provided for any person conducting ozone-depleting activities.

Contractor Initials _____

Contractor Response:

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Improper Material/ Waste Management 	FCX operations take part in many activities including, but not limited to, mining, mineral processing, construction/expansion, exploration and legacy. If not managed properly, these activities can result in significant environmental consequences through release to land or mismanagement of process material or waste. Placement, through mismanagement or release, of material to an improper process unit may have severe consequences, including changes to designation of materials, loss of regulatory exemption or loss of potentially beneficial material. FCX's impacts to land, both industrial and mining, include, but are not limited to, soil, contamination from spills/releases, release of potentially hazardous materials and community/biodiversity impacts. Minimizing the impacts to land by our operations is crucial for FCX operations through the implementation and proper usage of Critical Controls.

This section is intended to identify environmental risks that have the potential to impact Improper Material/Waste Management and describe how the risks will be managed. Please initial and provide the information requested in the Contractor Response section.

Contractor Requirements

- Unless directed by the FCX Project Manager or the Environmental Department, all waste shall be managed on site at the direction of the Environmental Department. Contractors shall not take waste generated on FCX property off site unless approved by the FCX Project Manager or the Environmental Department. Waste removal from a remediation site will be handled in accordance with the approved mitigation or remediation plan. All disposal activities shall be coordinated with the FCX Project Manager and the Environmental Department.
- Implement practices to minimize environmental impacts from waste storage, disposal, recycled materials transfer and any material stored for reuse. Precautions also will be taken to minimize the amount of waste generated including unused chemicals, excess construction materials and debris. When feasible, waste will be reused, reduced or recycled.
- Properly label, accumulate and dispose of all waste materials generated from activities (including used spill kit materials) in accordance with project guidance.

Information Requested from Contractor

- A list of all potential wastes (e.g., general trash, hazardous waste, non-hazardous waste, universal waste, used oil, electronic waste, contaminated soil/water, asbestos-containing material, petroleum-contaminated soil, oily filters, paint-related waste, scrap metal, debris, etc.) that may be generated during the life of the project.
- A list of chemicals and quantities expected to be used, their intended use and the potential for waste generation.
- A summary of related waste management practices that will be implemented.
- A description of activities related to relocation or change to any oil-filled electronic equipment.

Contractor Initials _____

Contractor Response:

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Wildlife Mortalities 	FCX sites have the potential to impact wildlife. While wildlife mortalities refer to all wildlife, those impacts with the greatest risk to FCX include avian, aquatic/fishery and terrestrial. Impacts to these environments are generally captured by existing environmental significant risks. The wildlife mortalities' significant risk is specific to mortalities caused by FCX through release, environmental degradation or improper management of processes. The risk exists both off site and on site at our operations. Conditions of on-site process areas may be detrimental to the health of wildlife, resulting in mortalities. Therefore, proper controls are required to prevent wildlife interaction or mortality associated with on-site materials, processes or operations.

This section is intended to identify environmental risks that have the potential to impact wildlife and describe how the risks will be managed. Please provide the information requested in the Contractor Response section.

Contractor Requirements

- Do not approach, handle, harm or harass wildlife in any manner. Feeding animals is strictly prohibited.
- Notify the FCX Project Manager and the Environmental Department regarding any wildlife matters.

Information Requested from Contractor

- A description of any potential impacts to natural habitat (e.g., disturbing active bird nests, clearing native vegetation, felling trees or large cacti during nesting season, etc.) and best management practices to be used to mitigate these impacts.

Contractor Response:

Other Environmental (Project Manager Supports Completion)

This section is intended to identify other environmental risks and describe how the risks will be managed. Please initial and provide the information requested in the Contractor Response section.

Contractor Requirements

- Do not disturb reclaimed areas, wetland or native lands without the necessary permits and prior review and approval by the FCX Project Manager and the Environmental Department.
- Do not disturb or take any cultural resource, and notify the FCX Project Manager and the Environmental Department of any cultural resources identified.
- Comply with applicable site backflow prevention rules. Backflow prevention devices should be installed at hydrants or should have an air gap. Backflow assemblies must be approved by an authorized certifying entity.

Information Requested from Contractor

- A description of any activities that would disturb any previously undisturbed/native ground or previously reclaimed areas and provide any regrading, rehabilitation or reclamation plans.
- A list of the water sources that will be used for the project.
- A description of backflow devices to be used for the project.

Contractor Initials _____

Contractor Response:

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Emergency Phone Number for site/project:		or initiate Mayday Procedure over the Radio
Project Manager **Phone:**	**Safety On-Call** **Phone:**	**Environmental Reporting** **Phone:**

Reference any additional information HERE:

Must have:

- **Project Manager Number**
- **Safety On-Call Number: (719) 485-7640**
- **Environmental Number: (719) 486-7552**
- **Security Number (Emergency Number): (719) 486-7583**

Contractor Acknowledgement – Key Personnel		
Note:Allcontractorandsubcontractoremployeesmustacknowledge (sign off) that they have read and understand the HS&E Plan.		
Date	Print Name	Signature
FCX Acknowledgement		
AllsignaturesrequiredforHSEPlan to be accepted.		
Date	FCX Project Manager/CCS – Print Name	Signature
Date	FCX Environmental – Print Name	Signature
Date	FCX Health & Safety – Print Name	Signature
	All signatures must be collected before H&S will sign HSEP.	
Date	FCX GSC – Print Name	Signature

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