



FREEPORT-McMoRAN

Morenci - Health, Safety, and Environmental Plan (HSEP) Template

This template may be used as a general guide for creating a HSEP. At a minimum, a HSEP should address any pertinent topics listed within this document.

Company Name:

Overview:

A project-specific Health, Safety, and Environmental Plan (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 healthful manner to protect workers and the public. It is meant to be read and understood by the workers and followed. Therefore, it should be project-specific, practical, and concise. More information does not necessarily mean a better HSEP. The level of detail should be commensurate with the complexity of the work.

IMPORTANT: A HSEP should NOT include copies of Freeport-McMoRan H&S Policies, the Freeport-McMoRan Contractor Health and Safety Manual or the contractor's written Health and Safety Program or 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. Again, the goal is to be project-specific, practical, and concise.

Contractor Organization and Coordination

Project Name/Location

Project Manager Name:

What is the name of the project this HSEP is required for?

Title/Position:

Applicability/Project Location

Phone Number:

Describe who the HSEP applies to and the location where it will be kept (must be on-site).

















Email Address:

Scope of Work

Describe the project tasks. Attach photos to end of HSEP if applicable.

Expectations

Define the standards of conduct including the use of the "buddy system", stop work authority and compliance with Regulations, Drug and Alcohol Policy, and all other FCX Policies, Programs and the Contractor Health and Safety Manual, etc.

| Fatal Risk Management | |  Morenci Project- Specific Health and Safety Plan (HSEP) | |
|---|--|---|--|
| Identify all FRM's associated with the scope of work. | Risk Management | | |
| <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> <div>  <input type="checkbox"/> </div> | <p>Describe the hazards and risks associated with each operation or process conducted and how they will be managed. Include ALL relevant health and safety hazards and environmental and property loss risks (e.g., confined spaces, working at heights, hazardous energy, silica, dust, constituents of potential concern, chemical hazards, biological hazards, radiological hazards, etc.). Describe the controls used to mitigate any unacceptable risks using the hierarchy of controls (e.g., guarding, water sprays, utility locate, lift plans, confined space permits, etc.).</p> | | |
| | | Training | Identify Required Training |
| | | Describe the training requirements and process for the various job tasks (initial and refresher). For example, do equipment operators have hands on training and assessment? HSEP must state that employees working on the project must be trained to the level required by the work, their job function, and responsibilities, and those that are not, cannot participate in or supervise field activities. Training must include regular Emergency Plan rehearsal. Specify the location of training documents and certificates. | <input type="checkbox"/> Site Specific <input type="checkbox"/> Working at Heights <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazardous Gas <input type="checkbox"/> Hot Work <input type="checkbox"/> Blue Stake <input type="checkbox"/> LOTOTO <input type="checkbox"/> Hoisting/ Crane/ Rigging |
| | | Communications | |
| | | Define what is communicated, with whom, when and how, including job site communication methods (e.g., radios, phones, horns, etc.), safe production communication (i.e., kick off meeting), daily tailgates (i.e., line-out meetings) or pre-job meetings (which are required before initiating any site activity), monthly safety meetings and communication with contractors and sub-contractors. | |
| | | Personal Protective Equipment | |
| | | Describe the PPE to be worn by personnel during various project operations. HSEP must reference the contractor's PPE Program that addresses selection, use limitations (including temperature extremes), maintenance, storage, decontamination, disposal, fitting, donning, and doffing and inspection. | |
| | | Management of Change | |
| | | Define when the HSEP requires revision and who approves. HSEP must include a requirement that it be updated, as necessary, to reflect any changes in the work, site characterization or site conditions. | |



Morenci Project- Specific Health and Safety Plan (HSEP)

Medical Surveillance

Describe any project medical surveillance requirements. If medical surveillance is required (e.g., for work under regulatory program, respirator use, etc.), the HSEP must reference the contractor's written Medical Surveillance Program.

Personal and Environmental Monitoring

Describe the program for periodic air monitoring, personnel monitoring, and environmental sampling, if needed per project scope, including 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.

Project Access and Control

Identify the exclusion, decontamination, and support zones, if applicable, and describe project security measures to keep unauthorized persons from the project /work.

Standard Operating Procedures (SOPs)

Reference all applicable Freeport-McMoRan SOPs and any applicable contractor SOPs that have previously been submitted for review (e.g. LOTOTO, utility locate, confined space entry, etc.). Include any contractor SOPs that have not been previously submitted for review. Include any SOPs for those activities that can be standardized and where a checklist can be used.

Permits/ Audits/ Inspections

Describe any required inspections (e.g., equipment inspections, workplace examination, etc.), permits (e.g. confined space, hot work, utility locate, etc.) and audits (compliance, fatality prevention, etc.) and the frequency of audits (e.g., daily, weekly and monthly) and who is involved. The HSEP must include a requirement for planned inspections by a project health and safety supervisor or, in the absence of that individual, another individual who is knowledgeable in occupational health and safety, to determine the effectiveness of the HSEP must include a requirement that any deficiencies in the effectiveness of the HSEP are corrected.

Incident Notification, Reporting and Investigation

Describe the required methods and procedures for notification, reporting and investigation of incidents.

Emergency Plan

Describe the contingency plan for safe and effective response to handle anticipated emergencies. Include pre-emergency planning (including locations and directions, with map, to the nearest medical services), personnel roles (including contact info), lines of authority and communication, project security and control, evacuation routes and procedures, emergency decontamination, which are not covered in the decontamination section of the HSEP (if necessary), emergency medical treatment and first aid, emergency alerting and response procedures, critique of response and follow-up and emergency PPE and equipment. Plan should also include project topography, layout, and prevailing weather conditions (if necessary); procedures for reporting incidents to local, state, and federal governmental agencies; provisions for regular Plan rehearsals, and provisions for periodic Plan review and revision, if necessary. Plan should also include an employee alarm system to notify employees of an emergency; to stop work activities, if necessary, to lower background noise in order to speed communications and begin emergency procedures.



Morenci Project- Specific Health and Safety Plan (HSEP)

Identify all ESR's associated with the scope of work.



Catastrophic Release to Surface Waters

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Catastrophic or Chronic Release to Groundwater

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Air Releases

☐

Improper Material/ Waste Management

☐

Wildlife Mortalities

☐

Chemical & Product Review

List all chemicals and products that will be used in association with this project. A product approval request form must be completed and submitted for all chemicals that will be used on Morenci property.

Spill Containment Program

Where major spills may occur, the HSEP should reference the contractor's written Spill Containment Program to contain and isolate the entire volume of any potential hazardous material spill.

Waste Management

Identify all potential wastes that may be generated. All waste is to be managed in accordance with the relevant legal requirements, FXC policies and Standard Operating Procedures

Sanitation

Describe toilet and washing facilities, project personal hygiene practices and workers access to potable water (in case of remote access work, this may require "Wilderness techniques").

Decontamination Procedures

Describe any possible types of contamination and decontamination procedures for people 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 that protective clothing and equipment must be decontaminated, cleaned, laundered, maintained or replaced as need to maintain their effectiveness.

Emergency Phone Number for Morenci Operations: (928) 865-6600 or initiate Mayday Procedure over the Radio

Will Subcontractors be used on this project?

- ☐ **Yes** (if Yes, please contact Morenci GSC to submit a Request for Approval of Subcontractor Form) ☐ **No** (if No, skip to Acknowledgement)

Acknowledgement

Contractor

Date

FMI Project Manager/ CCS

Date

FMI Environmental

Date

FMI Health & Safety

Date