



FREEPORT-McMoRAN
MORENCI INC.

Contractor Environmental Guidelines

Morenci Operations

Environmental Services Department

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1. PURPOSE

This work instruction describes the Environmental Management System (EMS) requirements for independent contractors who are performing work on-site at Freeport-McMoRan Morenci Inc. These guidance documents will assist the facility in assuring that all activities are conducted in a manner consistent with environmental compliance and to address issues that may arise, prior to commencement of any construction work on new and existing facilities/areas.

This document should be used to provide guidance for contractor and subcontractor supervisors and managers to assist with determining and tracking environmental compliance with the Freeport-McMoRan Morenci Inc Environmental Policy, site-specific requirements, and all applicable regulatory requirements.

2. RESPONSIBILITIES

The Independent Contractor expressly assumes responsibility for ensuring that all work done is in accordance with all Morenci operations' Best Management Practices as well as compliance with all Federal, State, and local regulations. The Independent Contractor will notify Morenci Environmental Services Department immediately upon becoming aware of any environmental issue or event, which may make it difficult or impossible for planned or scheduled work to be completed in an environmentally responsible manner. The Independent Contractor and all personnel must be aware of and comply with all Morenci operations' Best Management Practices which are designed to assist with compliance at the facility.

Up-to-date copies of this packet, Morenci's Environmental Policy, all Best Management Practices, Environmental Aspect Lists, legal & other requirements are available on the **Morenci Contractors Website**. Contact Morenci Health & Safety Department to gain access to this shared website. As such, Independent Contractors must contact Environmental Services, Contractor Management, and/or Area Supervisors where contractor activities will be performed to insure appropriate information is accessed and/or available to the contractor.

The Independent Contractor will comply, and will cause its' Subcontractors to agree to and comply with all Federal, State, and local laws, rules, and regulations relating to environmental protection, public health and safety or public nuisance or menace ("Environmental Laws"). The Independent

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Contractor will not, and will cause its Subcontractors to agree to not bring onto the Project Site any hazardous substances or other products without the prior written approval of Freeport-McMoRan Morenci Inc Environmental Services Department. If the Contractor is generating, handling, using, storing, or treating any hazardous substances on the Project Site, the Independent Contractor must contact Morenci Environmental Services for proper Material Management procedures. "Hazardous Substances" means any substance or material, including asbestos, defined or designated as a hazardous or toxic substance, material or waste, by any Environmental Laws presently in effect or as amended or promulgated in the future.

A **map of the Environmental Services Disposal Yard** has been included in **Appendix E** for your convenience. Contact Environmental Services for guidance on disposing of waste that is generated by your staff and your subcontractors.

3. ENVIRONMENTAL MANAGEMENT SYSTEM

Freeport-McMoRan Morenci Inc has established and implemented an Environmental Management System (EMS) that meets the requirements of ISO 14001:2015. An important consideration of this EMS relates to Independent Contractors who are required to comply with Morenci policies and procedures as outlined in this guidance document.

The Independent Contractor's activities can have a significant potential to affect the environmental performance and regulatory compliance of the facility. Independent contractor personnel must not only comply with all applicable and relevant Federal, State, and local laws and procedures but in addition, they must also comply with the Morenci operations **Environmental Policy (Appendix A)**, site specific permits, licenses, and registrations, **Best Management Practices – BMP's (Appendix F)**, and current Morenci Environmental goals. Area specific aspect lists and goals are available to assist the contractor with identifying significant environmental aspects associated with contractor duties and/or activities. These lists are a valuable tool to insure that all appropriate specific Morenci guidance is identified.

Independent Contractors must be aware of their roles and responsibilities in conforming to the environmental policy, procedures and requirements of the Environmental Management System. Independent Contractors must also understand the potential consequences of noncompliance. This Contractor Environmental Guidance Document has been developed to define Morenci's Environmental Management Systems requirements and expectations for Independent Contractor. This document will also identify and document

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potential Independent Contractor impacts on the facility. The Global Sourcing Senior Buyer/Contract Coordinator has the responsibility to include a copy of this Guidance Document with the contract for review and signature by the Independent Contractor.

A list of all applicable site specific permits, licenses, registrations in **Appendix E**, and BMP's included in **Appendix F** will assist contractors with identifying site specific requirements of their activities. However, up-to-date copies of Morenci Environmental Policy, all Morenci Best Management Practices, Environmental Aspect Lists, Legal & Other requirements along with a copy of this Contractors Environmental Guidelines packet are available on the **Morenci Contractors Website**.

4. ENVIRONMENTAL POLICY

The Freeport-McMoRan Inc. Corporate Environmental Policy outlines our commitment to protect the environment in the daily conduct of our activities. As such, all contract personnel should be aware of the Morenci Environmental Policy commitment and understand their individual role in assisting Morenci in protecting our environment.

5. ENVIRONMENTAL CONTACT

The Independent Contractor will provide an environmental contact to the Morenci Environmental Services Department and Contractor Management group to provide assistance on all environmental concerns in their area and scope. The contractor environmental contact person will be responsible for possessing and maintaining a working knowledge of the following:

- Morenci's Environmental Best Management Practices
- Training Requirements
- Other requirements established by Freeport-McMoRan Morenci Inc

The environmental contact person will receive environmental information to educate their personnel and will also be responsible for ensuring that all necessary environmental information is passed on to their supervisors, employees, subcontractors and any other personnel that are deemed as necessary. This information can come from a variety of resources including but not limited to: the Morenci Project Manager, Contractor Management department, Contracts Administration group and/or Environmental Services.

The environmental contact person is not required to be a full-time environmental specialist; however they are required to be the main point of contact for the

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Morenci Environmental Services Department. The **Independent Contractor Environmental Contact Person Form** is found in **Appendix B** and must be completed and returned to Morenci Environmental Services prior to commencement of any work conducted at the Morenci property – including Townsite. This form should be updated whenever changes occur regarding the identified contact person.

6. ENVIRONMENTAL DATA SHEETS

The Independent Contractor shall prepare and maintain the **Independent Contractor Data Information Sheets** found in **Appendix C**, regarding Independent Contractor activities and return the completed form to Morenci Environmental Services Department. These information sheets outline the work that will be performed and the methods to be used to minimize environmental impacts and maintain compliance with environmental regulations.

In addition, each Independent Contractor is responsible for communicating the information this Contractor Environmental Guidance document and the Independent Contractor Data Information Sheet to all Independent Contractor personnel including all sub-contractors. The **Sub-Contractors Contact Information sheet** is also located in **Appendix B**.

Morenci Environmental Services personnel are available to assist with and answer specific questions related to BMP conformance. The contact number for the Morenci Environmental Service personnel is located in **Appendix G**.

7. PROJECT COMMENCEMENT

Chemical Inventory – The Independent Contractor will prepare a complete chemical inventory of all products which will be brought onto Morenci property. The Chemical Inventory will be submitted to Morenci Environmental Services.

After the Chemical Inventory has been reviewed by Environmental Services a discussion will be held with the contractor to confer what steps need to be taken prior to the Contractor mobilizing onto the property. If necessary, electronic product review forms and a copy of the applicable SDS will be submitted and routed through the product review process, also known as MRAP. This step must be taken prior to any products being brought onto the property. If any product is disapproved it will not be allowed to be brought onto the property - this includes anywhere outside the mine gates and townsite areas. If any new products are to be purchased after an Independent Contractor has mobilized

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and started a project, the Independent Contractor must complete an electronic Product Review Form and submit it with an SDS for review prior to bringing the new product onto the property.

In the event the electronic Product Review submission (MRAP) is not available, the paper copy of this form will be accepted along with the SDS.

Product approvals are based on individual Freeport-McMoRan Inc. property criteria and will vary from property to property. As such, not all products are approved for use at every property. A list of approved products can be obtained for the facility from the Environmental Services Department. The **Chemical Inventory Form**, **Product Review Form**, and instructions are located in **Appendix D**.

Environmental Quarterly Report – The Independent Contractor is required to prepare a quarterly report for all products that have been identified to be tracked in accordance with the Toxic Release Inventory (TRI). The product approval and Chemical Inventory forms identifies which products must be tracked and reported to Environmental Services on a quarterly basis.

If the Independent Contractor has products that are required to be reported which were not used during the reporting quarter, a report is still required showing that none of the product was used. If the Contractor submitted a report for a previous quarter that is no longer in use, a report should still be submitted noting that the product has been discontinued. All quarterly reports are due by the 15th of the month after a quarter ends (April, July, October, January).

A copy of the **Environmental Quarterly Report form** can be found in **Appendix D**.

Soil Disturbance – All disturbed soils must be handled and/or recycled in accordance with specific direction give by Morenci Environmental Services. When applicable, Environmental Services representatives will be onsite to brief project managers and contractors on appropriate soil handling, erosion control, permit conditions, and final disposition before any soil disturbance occurs.

Air Emissions – Any improvements, expansions, renovations, demolitions, etc. which will occur on site such as: constructing, altering, repairing, demolishing, spray activities including paints & coatings, clearing or leveling a building or its appurtenances, a driveway, parking area, or vacant lot, or when moving or excavating earth must be recorded on the **General Project Air Emissions Control Form** located in **Appendix D**. All generator sets being brought to Morenci **must** also be recorded on this form. Submit this form to Environmental

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Services to obtain Environmental clearance to begin or continue work at Morenci.

Building Materials/Equipment Disturbance – At least 30 days prior to disturbing, removing, or demolishing any building materials or equipment, a detailed list and scope of work of the planned activity will be submitted to the Morenci Environmental Services Department by the Independent Contractor Project Manager and/or Morenci Project Manager

Morenci Environmental Services will survey the materials for the presence of asbestos and/or other environmental hazards and provide any required notification to regulatory agencies. ALL demolition activities require notification to regulatory agencies regardless of the presence of asbestos. If asbestos is present, Morenci Environmental Services will work with the Independent Contractor Project Manager to properly remediate any asbestos prior to starting the planned work. Guidance for these activities can be found in the Best Management Practices.

Change Order – When a change order or work order change occurs, the Independent Contractor must coordinate with the Morenci Project Manager or the Morenci Environmental Service Department to ensure that the change does not have any environmental impacts. The technical contact person identified in the contract must be contacted and must be involved with the scheduled changes. If you are unsure and need assistance, you should contact the Morenci Environmental Services Department.

Applicable Permits, Licenses, and Registration – The Independent Contractor will not commence any construction or activity until all applicable permits, licenses, and registrations which are applicable to the project or the project activities have been obtained.

8. ENVIRONMENTAL NOTIFICATION

The following activities or projects which are conducted by the Independent Contractor will require notification to the Morenci Environmental Services Department prior to the start of the planned activity or project.

The Contractor will promptly notify Morenci Environmental Services:

- at least 30 days prior to performing any renovation/demolition of any building or structure.
- of any un-evaluated soil disturbance outside the identified scope of the project or activity.

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- when performing any work that could potentially impact ground water, surface water, or storm water including but not limited to road building, road grading, and outdoor material storage.
- when performing any work that could potentially impact the air quality standards including process modifications, expansions, and open burning.
- when performing any work that could potentially generate hazardous waste including painting, sand blasting, outdated product disposal, and unused product disposal.
- upon a release/spill of any product or upon the finding of such a release/spill.
- when any unknown containers or visible contamination that has not been previously evaluated is found during the course of the project/activity.
- when any other environmental issues or concerns may arise.

9. TRAINING & AWARENESS

In the performance and activities of the Scope of Work or Project, the Independent Contractor agrees, and will cause that each Subcontractor agrees, that all necessary environmental qualifications and certification of training for each employee performing any work is on file in the site office.

The Independent Contractor agrees, and will cause that each Subcontractor agrees, that no employee without proper qualifications and training will be permitted to perform any task associated with jobs requiring environmental training unsupervised until such time that the employee has been fully trained.

In this regard, the Independent Contractor is responsible for providing adequate environmental training to their personnel who are deployed to the project or work area. This training will include any regulatory required training, awareness training in regards to but not limited to specific BMP's, emergency response, and awareness training of specific conditions which may be outline in any site specific permit, license, and/or registration.

10. INSPECTIONS

The Independent Contractor will give, and will cause that each Subcontractor agrees to give, Freeport-McMoRan Morenci Inc. free access to all materials,

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equipment, and files related to the Work and to the Project Site and any other of its' work places. Environmental inspections shall be performed by the Independent Contractor, Contractor Management group and/or Morenci Environmental Services to ensure environmental compliance. If items/issues are found that need to be addressed, the Independent Contractor must correct any deficiencies as is practical and notify the Contractor Management group and Morenci Environmental Services of the correction.

11. EMERGENCY RELEASE

The Independent Contractor along with their Subcontractors will provide all necessary training and awareness to insure appropriate emergency response and reporting to any emergency release that may occur.

12. PROJECT COMPLETION

As part of the ongoing project work, the Independent Contractor will clean up their work areas and remove from the Project Site, as directed by Morenci Environmental Services or Environmental policies, all waste material and rubbish at reasonable intervals. Upon completion of the Work, the Contractor will remove from the Project Site all tools, rubbish, non-hazardous waste, and surplus materials in connection with the Work. The work areas and the Project Site must be free and clear from any obstructions and hindrances.

All unopened, unused products will be recycled, placed into storage, returned to the manufacturer where possible, taken with the Independent Contractor, or properly disposed of as directed by Environmental Services

Prior to demobilization, the Independent Contractor must contact the Contractor Management group and Morenci Environmental Services to schedule an exit inspection to ensure that the Independent Contractor has cleaned up the work area or Project Site. If the Independent Contractor fails to clean up the site(s) to the reasonable satisfaction of Environmental Services, Freeport-McMoRan Morenci Inc. may perform such work and charge the Independent Contractor for all reasonable related costs associated with the additional clean up.

APPENDIX A



Up-to-date copies of the Morenci Environmental Policy, Morenci Best Management Practices, Environmental Aspect Lists, and Environmental Forms along with a copy of this Contractor Guidelines packet are available on the Morenci Contractors intranet site.

Contractor Management should insert the most current version of the referenced document in this section prior to distributing this document to any new contractor.

It is the contractors' responsibility to contact Environmental Services, Contractor Management, Contracts Administration and/or Area Supervisors where contractor activities will be performed to insure that appropriate information is accessed

**Freeport-McMoRan Inc.
Environmental Policy**

The modern world requires the metals that Freeport-McMoRan Inc. (“FCX”) produces for a healthy and prosperous future. As we deliver our products to the global marketplace, we evaluate environmental aspects throughout a project’s life cycle with the goal of operating our projects in an environmentally responsible manner to minimize adverse impacts.

FCX is committed to:

- Operating our facilities in compliance with all applicable environmental laws and regulations at a minimum and, where we believe that these are not sufficiently protective, applying internationally recognized management practices;
- Preventing pollution and environmental impacts where practicable, using risk management strategies based on valid data and sound science;
- Continually improving the environmental performance of our operating sites through the implementation of ISO 14001 management systems;
- Working with our stakeholders and host governments to ensure permits, laws and regulations provide safeguards for the environment based on sound scientific principles;
- Educating and training employees and contractors to carry out tasks in an environmentally responsible manner;
- Being a responsible member of our host communities, respecting people’s culture and heritage and contributing to the conservation of biodiversity;
- Remediating historical sites where our companies are responsible; and
- Regularly reviewing our environmental performance and publically reporting on our progress.

Every employee and contractor is expected to follow this policy and report any concerns through FCX communication mechanisms, including those published in the Principles of Business Conduct and Supplier Code of Conduct.

As amended by the Board of Directors February 6, 2018

APPENDIX B

INDEPENDENT CONTRACTOR ENVIRONMENTAL CONTACT PERSON(S)

Full Company Name: _____ Date: _____
Street Address: _____ P.O. Box: _____
City: _____ State: _____ Zip: _____
Phone Number: _____ Fax: _____

Contact Person Information: (list ALL individual(s) that will be present at the Morenci site - if more than one individual will be responsible for site crew(s), mtgs, etc, complete multiple sheets)

Name: _____
Title: _____
Phone Number: _____
Fax Number: _____
Cell Number: _____
After Hours Number: _____
E-mail Address: _____

The environmental contact person is not required to be a full-time environmental specialist; however they are required to be the main point of contact for the Morenci Environmental Services Department. The environmental contact person will be responsible for possessing and maintaining a working knowledge of the Morenci Environmental Best Management Practices, Training Requirements, and Other requirements established by Freeport-McMoRan Morenci Operations. Additionally, they will assist the Morenci Environmental Services Department with all environmental issues in their areas.

The environmental contact person will receive environmental information to educate their personnel and will also be responsible for ensuring that all necessary environmental information is passed on to their supervisors, employees, and any other personnel that are deemed as necessary.

**Please complete this form and return it to the Morenci Environmental Services Department.
This form should be updated when there is a change in personnel or contact information.**

Enviro Services Approved By: _____

INDEPENDENT SUBCONTRACTOR LIST

List all sub-contractors that will be working on-site under the General Contractor on the said project listed with the scope of work in this packet. Each sub-contractor is also required to complete the Environmental Contractor Guideline Packet. If General Contractor will not be using Subcontractors at this time, mark N/A - Not Applicable and return with remaining packet forms.

SUBCONTRACTOR 1:**Full Company Name:** _____

On-Site Contact Name: _____

Street Address: _____ P.O. Box _____

City: _____ State: _____ Zip _____

On-Site Contact Ph No. _____ After Hours Ph No. _____

Approx timeframe deployed at Morenci: _____

SUBCONTRACTOR 2:**Full Company Name:** _____

On-Site Contact Name: _____

Street Address: _____ P.O. Box _____

City: _____ State: _____ Zip _____

On-Site Contact Ph No. _____ After Hours Ph No. _____

Approx timeframe deployed at Morenci: _____

SUBCONTRACTOR 3:**Full Company Name:** _____

On-Site Contact Name: _____

Street Address: _____ P.O. Box _____

City: _____ State: _____ Zip _____

On-Site Contact Ph No. _____ After Hours Ph No. _____

Approx timeframe deployed at Morenci: _____

SUBCONTRACTOR 4:**Full Company Name:** _____

On-Site Contact Name: _____

Street Address: _____ P.O. Box _____

City: _____ State: _____ Zip _____

On-Site Contact Ph No. _____ After Hours Ph No. _____

Approx timeframe deployed at Morenci: _____

SUBCONTRACTOR 5:**Full Company Name:** _____

On-Site Contact Name: _____

Street Address: _____ P.O. Box _____

City: _____ State: _____ Zip _____

On-Site Contact Ph No. _____ After Hours Ph No. _____

Approx timeframe deployed at Morenci: _____

Enviro Services Approved By: _____

Rev: 01/08/19

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Intranet posted document is the controlled copy. Verify printed document is still current prior to use.

APPENDIX C

**INDEPENDENT CONTRACTOR DATA INFORMATION SHEET****Section I**

Full Company Name: _____

Date: _____

Street Address: _____

P.O. Box: _____

City: _____ State: _____

Zip: _____

Phone Number: _____

Fax: _____

Completed By: _____

Title: _____

Email: _____

Section II**Service or Activity to be performed**

Please indicate all activities that will be performed by your company.

<u>Material/Chemical</u>	
Solvents	<input type="checkbox"/>
Cleaners	<input type="checkbox"/>
Treatment Chemicals	<input type="checkbox"/>
Maintenance Chemicals	<input type="checkbox"/>
Lubricants, Oils, Grease	<input type="checkbox"/>
Janitorial	<input type="checkbox"/>
Gases	<input type="checkbox"/>
Other _____	<input type="checkbox"/>
(if checking Other, fill-in with description)	

<u>Facilities/Construction</u>	
Electrical	<input type="checkbox"/>
Mechanical	<input type="checkbox"/>
Structural	<input type="checkbox"/>
HVAC	<input type="checkbox"/>
General Contractor	<input type="checkbox"/>
Roofing	<input type="checkbox"/>
Other _____	<input type="checkbox"/>
(if checking Other, fill-in with description)	

<u>Industrial Services</u>	
Maintenance	<input type="checkbox"/>
Janitorial	<input type="checkbox"/>
Structural	<input type="checkbox"/>
Engineering	<input type="checkbox"/>
Environmental Consulting	<input type="checkbox"/>
Roofing	<input type="checkbox"/>
Other _____	<input type="checkbox"/>
(if checking Other, fill-in with description)	

<u>Spray Painting/Abrasive Blasting</u>	
Architectural	<input type="checkbox"/>
Haul Trucks	<input type="checkbox"/>
Equipment	<input type="checkbox"/>
Other	<input type="checkbox"/>

Section III**Environmental Management System Expectations**

Please review each of the following Environmental Management System Expectations and initial in the space provided to acknowledge that your organization understands the requirements and intends to ensure compliance by all independent contractor employees and subcontractors.

Enviro Services Approved By: _____

Environmental Management System Expectations	Contractor Initials
Independent contractor understands its roles and responsibility in complying with all relevant and applicable federal, state and local laws and the Environmental Policy, procedures and requirements of the Environmental Management System, as well as the potential consequences of noncompliance.	
Independent contractor acknowledges receiving the Morenci Environmental Policy, as well as any applicable procedures and work instructions.	
Independent contractors shall properly label, accumulate and dispose of all waste materials generated from its activities in accordance with Morenci's procedures or guidance.	
Independent contractors shall not allow discharges to drains and/or sewers without prior written approval from the EMS Management Representative.	
Independent contractor shall provide adequate spill/release prevention.	
Independent contractor shall immediately notify EMS Management Representative, project engineer and area supervisor of any spills, releases or other environmental incidents.	
Independent contractor must be sensitive to the effects of noise, odor, light and traffic moving within the facility and in the local community.	
Independent contractor shall prepare and maintain records pertaining to the work performed in accordance with environmental regulatory requirements, including record retention requirements.	
Independent contractor shall ensure protection of the natural environment surrounding the work area.	
Independent contractor shall ensure that all employees are properly trained and competent to perform the assigned work and tasks, including the proper handling of materials and equipment, proper response to incidents involving its material and general information relating to the Morenci Environmental Management System.	
Independent contractor shall obtain, prior to commencing work, all necessary environmental approvals or permits and provide copies of such permits/approvals to the EMS Representative.	
Independent contractor has been informed of actions to be taken in case of an emergency.	
Independent contractor understands that Freeport-McMoRan Morenci Inc. may inspect and interrupt independent contractor activities that violate company policies and/or legal requirements.	

By initialing statements, Independent Contractors & Subcontractors agree to focus on Morenci EMS expectations.

Enviro Services Approved By: _____

Environmental Management System Compliance Statement

Morenci Department or Division you are working with: _____
Morenci Dept. Contact Name: _____ Phone: _____

Scope of Work Description

Describe, in detail, the work to be performed while on-site

Air Emissions

Will the work performed by the independent contractor produce or cause the release of any air emissions?

Yes: ☐ No: ☐

If yes, list the air emissions and methods for preventing impact to the environment.

Note any Dust Sensitive activities below:

Water Discharges

Will the work performed by the independent contractor produce or cause the release of any wastewater?

Yes: ☐ No: ☐

If yes, how will the wastewater be handled?

Enviro Services Approved By: _____

Environmental Management System Compliance Statement**Materials / Equipment**

What materials, chemicals, products, equipment, tanks, containment, etc. will be brought on-site to perform the scope of work, by the independent contractor?

Training

Independent contractor employees & sub-contractors must be trained in the proper handling of materials and equipment and the proper response to the incidents involving these materials. Describe the training independent contractor employees & sub-contractors receive.

Waste Generation

Will the work performed by the independent contractor result in any wastes? All waste generated **MUST NOT** leave the Morenci property.

Yes: ☐ No: ☐

If yes, lists the types of wastes expected and the proposed disposal method.

Other

Are there any other ways in which the scope of work performed by the independent contractor will affect/threaten the environment?

Yes: ☐ No: ☐

If yes, please describe.

Enviro Services Approved By: _____

ACKNOWLEDGEMENT OF RECEIPT

Environmental Guidelines Document and Contractor Data Sheet

COMPANY NAME: _____
COMPANY ADDRESS: _____

CONTACT PERSON: _____
PHONE: _____
EMAIL: _____

This is to certify that the above referenced company has received a copy of the Morenci Environmental Requirements Document and Independent Contractor Data Sheets and all documentation necessary to comply with these guidelines. We understand that we are responsible for instructing our employees and subcontractors to ensuring compliance of these rules. We also recognize that failure to comply may result in removal from the job being performed and may jeopardize future projects with Freeport-McMoRan Morenci Inc.

SIGNATURE: _____
PRINTED NAME: _____
TITLE: _____
PHONE: _____
(if different from above)
DATE: _____

Enviro Services Approved By: _____

APPENDIX D

[illegible]

SDS File Number:

Reporting Date:

Environmental TRI Quarterly Reporting Form

CONTRACTOR INFORMATION: (PLEASE PRINT)

Company/Contractor Name: _____

Product Name: _____

Manufacturer: _____

Location/Purpose: _____

MSDS Product Requestor: _____

Form must be completed at the end of each quarter and forwarded to
Morenci Environmental Services.

PLEASE CHECK THE REPORTING QUARTER:

First Quarter (January - March)

☐

Second Quarter (April - June)

☐

Third Quarter (July - September)

☐

Fourth Quarter (October - December)

☐

Quantity

Unit of Measure

Container Size

*Instructions: Fill out the company/contractor name, the product name, manufacturer name, and location that the product is used. Check the appropriate quarter that is being reported for and then indicate the quantity and units of measure for the product which was used during the reporting quarter. **Send a copy of the completed form to Morenci Environmental Services by the 15th of the month following the close of the quarter.***

Signature of person completing this form: _____

Printed Name: _____

GENERAL PROJECT AIR EMISSIONS CONTROL FORM
(must be completed in ink and legible)

For any improvements, expansions, renovations, demolitions, etc., which occur on site, such as: constructing, altering, repairing, demolishing, clearing, or leveling a building or its appurtenances, a driveway, a parking area, or a vacant lot, or when moving or excavating earth, must be recorded below.

Date of Project: _____ Duration of Project: _____

Project Location: _____

Project/Work Order #: _____ Name of Project: _____

Contractor Information

Contractor Name: _____

Contact Name: _____ Phone: _____

FMMI Employee Information

FMMI Employee Name: _____

Department/Division: _____ Phone: _____

Type of Emission Control Measures Used:
(check all control methods that apply to this project)

- | | |
|--|--|
| <input type="checkbox"/> Application of water | <input type="checkbox"/> Vacuuming |
| <input type="checkbox"/> Application of wetting agents
(i.e. surfactants) | <input type="checkbox"/> Wind fencing |
| <input type="checkbox"/> Minimizing material drop height | <input type="checkbox"/> Enclosures |
| <input type="checkbox"/> Optimizing blast patterns | <input type="checkbox"/> Dust suppressants |
| <input type="checkbox"/> Limiting vehicle speed | <input type="checkbox"/> Other good modern practices
(If unsure contact Enviro Services for guidance) |
| <input type="checkbox"/> Controlling vehicle access | <input type="checkbox"/> High volume Low-pressure spray guns |
| <input type="checkbox"/> Airless spray techniques | |

After completion original must be returned to Environmental Services – Air Quality Group.

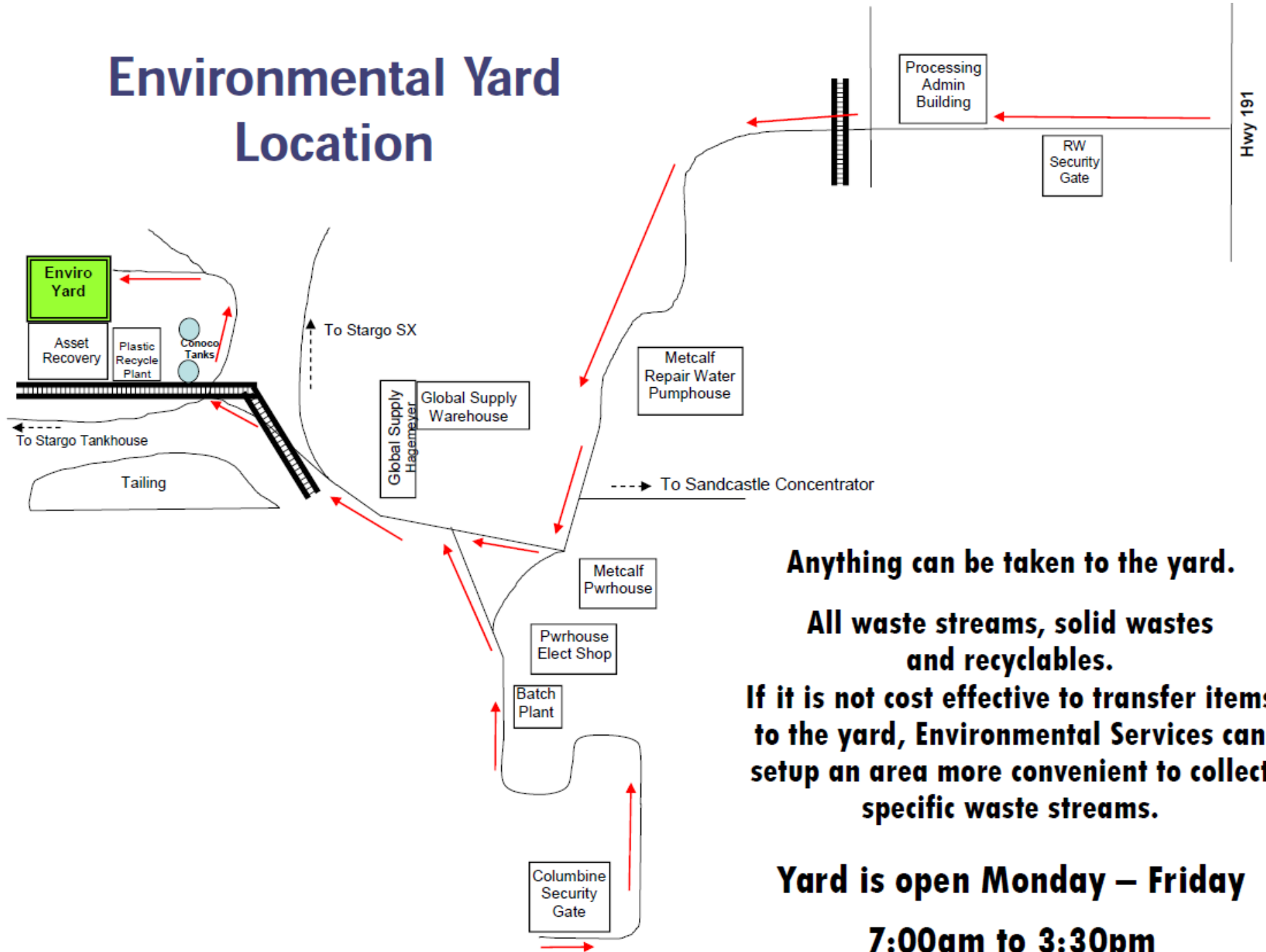
Contact Environmental Services with any questions at 928-865-6000

Environmental Services Personnel Reviewed

(Initial)

APPENDIX E

Environmental Yard Location



Anything can be taken to the yard.

**All waste streams, solid wastes
and recyclables.**

**If it is not cost effective to transfer items
to the yard, Environmental Services can
setup an area more convenient to collect
specific waste streams.**

Yard is open Monday – Friday

7:00am to 3:30pm



PERMITS, LICENSES, AUTHORIZATIONS, & OTHER REQUIREMENTS LIST

The following table lists the environmental permits, licenses and authorizations for activities conducted by the Morenci Operations. The Manager of Environmental Services and/or designee shall revise this table as necessary to keep it up-to-date with Morenci's regulatory requirements.

PERMITS, LICENSES, AUTHORIZATIONS, & OTHER REQUIREMENTS					
Agency/Organization	Item	Description	Status	Expiration	Location of Document
LEGAL REQUIREMENTS					
Air					
Arizona Department of Environmental Quality	Open Burn Permit No. 8205 LTF ID# 65141	Air Quality Permit for open burning on Morenci property	Current	December 5, 2017	Environmental Files 3.8.4
Arizona Department of Environmental Quality	Open Burn Permit No. 6515	Air Quality Permit for open burning on Morenci Townsite property	Terminated	April 21, 2016	Environmental Files 3.31.1
Arizona Department of Environmental Quality	Air Quality Operating Permit Class I Title V Permit No. 57883	Air Quality Operating Permit for Morenci	Current	January 30, 2019	Environmental Files 3.10.1.1 & Website
Arizona Department of Environmental Quality	Air Quality Class II Permit No. 64548	Air Quality Class II Permit for Bee Canyon Well Pumps	Current	December 2, 2021	Environmental files 3.3.2 & Website
Arizona Department of Environmental Quality	Air Quality Class II Permit No. 64549	Air Quality Class II Permit Mud Springs Well Pumps	Current	December 2, 2021	Environmental files 3.3.2 & Website
Water					
U.S. Environmental Protection Agency & Arizona Department of Environmental Quality	NPDES Multi Sector Permit No AZMSG-62298	Morenci Storm water permit for area outside the zero discharge boundary	Current	Jan 31, 2016 – Will carry forward until rule change	Environmental Files 4.3.1.2 & Website
U.S. Environmental Protection Agency & Arizona Department of Environmental Quality	NPDES Multi Sector Permit No AZMSG-62299	Storm water permit for the Evans Point Limestone Quarry	Current	Jan 31, 2016 – Will carry forward until rule change	Environmental Files 4.3.1.2 & Website
U.S. Environmental Protection Agency & Arizona Department of Environmental Quality	NPDES Multi Sector Permit No AZMSG-62297	Storm water permit for the Horton Claims Group	Current	Jan 31, 2016 – Will carry forward until rule change	Environmental Files 4.3.1.2 & Website
Arizona Department of Environmental Quality	Aquifer Protection Permit (APP) No. P100193, LTF ID: 62449	Aquifer Protection Permit for the Morenci District, Effective June 30, 2015	Current	Life of facility	Environmental Files 4.2.1.1 & Website



PERMITS, LICENSES, AUTHORIZATIONS, & OTHER REQUIREMENTS					
Agency/Organization	Item	Description	Status	Expiration	Location of Document
Department of the Army, Los Angeles District, Corps of Engineers	Department of the Army Permit (File # SPL-2010-00066-MWL) Section 404 of the Clean water Act.	Upper Chase Creek Diversion	Current	Extended to February 1, 2018	Environmental Files
Reclamation					
State Mine Inspector	Mine Reclamation and Closure Plan	Document covering the ultimate reclamation and closure plans for the Morenci mining operations	Current	Life of Facility	Environmental Shelves
Waste					
Arizona Department of Environmental Quality	PDMI Transfer Solid Waste Facility Notification PRU 98-195	Notification – solid waste facility in Morenci town	Active	Life of Facility	Environmental Files 5.14.2
Arizona Department of Environmental Quality	Special Waste Treatment Facility Plan No: 070766.01	Special Waste Treatment Facility Plan (Special Waste Petroleum Contaminated Soil Bioremediation Plan)	Closed – Dec 17, 2014	Life of Facility	Environmental Files 5.10.3 & 5.10.8 (closure)
Hazardous Materials – Waste					
Department of Transportation	Hazardous Materials Transportation Registration Certificate Reg. No: 111815550008XZ	Management of shipped and received hazardous materials 3 year registration	Current	June 30, 2018	Environmental Files 5.7.2
Arizona Department of Environmental Quality	Arizona Identification Number AZD074489469	Site identification number for the management of Hazardous Waste shipped into the State of Arizona	Current	Life of Facility	Environmental Files 5.3.1.3
Waste Tires					
Arizona Department of Environmental Quality	Tire Storage and Burial Facility Permit No. ICU01-110	Notification to commencement of burial of mining industrial off-road motor vehicle waste tire – Site A and C	Terminated	Life of Facilities	Environmental Files 5.19
Arizona Department of Environmental Quality	Tire Storage and Burial Facility Permit No. ICU01-110	Notification to commencement of burial of mining industrial off-road motor vehicle waste tire – Site B and D (Garfield)-Oct 31, 2012. New Cell E (PCR Dump)-Dec 29, 2014.	Active	Life of Facilities	Environmental Files 5.19
Arizona Department of Environmental Quality	Tire Storage and Burial Facility Permit No. ICU98-464	Notification to commencement of burial of mining industrial off-road motor vehicle waste tire-Lonestar	Active	Life of Facility	Environmental Files 5.19



PERMITS, LICENSES, AUTHORIZATIONS, & OTHER REQUIREMENTS					
Agency/Organization	Item	Description	Status	Expiration	Location of Document
Arizona Department of Environmental Quality	Tire Storage and Burial Facility Permit No. P-100193	Notification of commencement of burial of mining industry off-road motor vehicle used tires. Acknowledge of Tire Burial Cell at Site F.	Active	Life of Facility	Environmental Files 5.19
Asbestos					
Arizona Department of Environmental Quality	Asbestos Burial Facility	Restrictive Covenant for Solid Waste Landfill – Expansion to asbestos burial pit – July 3, 1997	Active	Life of Facility	Environmental Files 6.5.3
Arizona Department of Environmental Quality	Asbestos Burial Facility	Restrictive Covenant for Landfill – Initial restrictive covenant filing for asbestos burial pit – January 24, 1994	Active	Life of Facility	Environmental Files 6.5.3
Pollution Prevention Plan					
Arizona Department of Environmental Quality	Pollution Prevention Plan Recertification Cert. No. 200281	Recertification certificate – Morenci	Active	July 1 st , 2018	Environmental Files 5.15.6
Other Regulatory Requirements					
U.S. Department of Justice	Corrective Action Plan (MBTA)	Migratory Bird Protection	Active	Life of Mine	Environmental Files
ADEQ / USEPA	Chase Creek Consent Decree	Chase Creek Diversion	Active	Life of Mine	Environmental Files
USEPA	SPCC Plan	Spill Control & Countermeasure Plan	Active	Review and update 6 months after a change in processes or Annually	Environmental Files
FMMI	Sampling Plan – Revised April 2012	Morenci Guidance for conducting sample events for waste characterization and monitoring	Active	Internal Document – Revise as necessary	Environmental Files
Arizona Department of Environmental Quality	Non-Point source Monitoring Plan	Bi-Weekly Visible Emission Monitoring – Renewed Sept 2015	Active	As needed	Environmental Files
USEPA/ADEQ	NPDES BMP Plan	Water Discharge Monitoring	Terminated	May 2010	Environmental Files
Arizona Radiation Regulatory Agency	Radioactive Material License No. 6-1 Amendment No. 61	Licensed for possession, use and transfer of radioactive material listed on permit	Active	Maintained by the Health and Safety Department (Industrial Hygiene)	Health & Safety



PERMITS, LICENSES, AUTHORIZATIONS, & OTHER REQUIREMENTS					
Agency/Organization	Item	Description	Status	Expiration	Location of Document
Arizona Radiation Regulatory Agency	Notice of Registration Certificate for Ionizing Radiation Machine - Registration No. 6-1-74	Registration of Ionizing Radiation Equipment used at Morenci	Active	Maintained by the Health and Safety Department (Industrial Hygiene)	Health & Safety
US Department of Interior	Tolling Agreement under NRD	Claims under the Comprehensive Enviro Response, Compensation & Liability Act (CERCLA) relating to Morenci mine	Resolved	Not Applicable	Environmental website & Environmental files
United States Fish and Wildlife Service	Spikedace and Loach Minnow Management Plan	Monitoring of critical habitat	Active	Not Applicable	Environmental Files 14.15 & N drive
NON-REGULATORY REQUIREMENTS					
Global Reporting Initiative	Global Reporting Initiative (GRI) Standards Version 3.0	Sustainability Reporting	Active	As needed	Environmental files
ISO – International Standard Organization	ISO 14001:2015	Environmental Management System requirements	Active	Version – ISO 14001:2015	Copyrighted material
ISO – International Standard Organization	ISO 14001:2004	Certification	Active	September 15, 2018	Environmental files 1.9.2 & Website

APPENDIX F

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100s - AIR STANDARDS

- 100 -- Spray Painting Activities
 - 101 -- Open Burning Activities
 - 102 -- Air Permit Applicability (Physical/Operational Modifications Review)
 - 103 -- Excess Emissions Reporting
 - 104 -- Anti-Tampering Prohibitions for Large Non-road Engines
 - 109 -- Refrigerant Management
 - 112 -- Acid Mist Control at Electrowinning Tankhouses
 - 114 -- Abrasive Blasting Activities
 - 115 -- SX Hatches
 - 116 -- Conducting Compliance Assurance Monitoring (CAM)
- For Dust Management Plans, see Non-Point Source Monitoring Plan

200s - WATER STANDARDS

- 200 -- Chase Creek Consent Decree (Confidential to Enviro Services)
- 201 -- Discharge of Dredge or Fill Material to "Waters of the US"
- 202 -- Sewage Treatment Plants and Septic Systems
- 203 -- Tailing Stormwater Retention Dams
- 204 -- Backflow Prevention Assemblies
- 205 -- Potable Water -- Main Line and Storage Tank Disinfection
- 206 -- Seep Identification and Evaluation
- 207 -- Pressure Washers, Steam Cleaners & Wash Racks
- 208 -- Rocky and Gold Gulch Basin Stormwater Impoundments
- 209 -- Road & Right of Way Construction, Land Clearing & Maintenance Outside Hydrologic Boundary
- 210 -- Lower Chase Creek Well Parameters (Environmental Services Use Only)

300s - HAZARDOUS AND SOLID WASTE STANDARDS

- 300 -- Asbestos Disposal Site
- 301 -- Renovation/Demolition Notification for Asbestos Containing Material
- 302 -- Used Solvent Storage (obsolete)
- 303 -- Hazardous Waste Paint Management
- 304 -- Used Paint Thinner Storage (obsolete)
- 305 -- Lead Flake & Spent Lead Anodes
- 306 -- Solid Waste Management - Garbage Dumpsters & Waste Storage/Staging Piles
- 307 -- Storage or disposal of Solid Waste/Material on Tailing Dams, Mine Stockpiles or Slag Piles
- 308 -- Used Grease Management
- 309 -- Oil-Filled Electrical Equipment & PCB Management
- 310 -- Used Oil Management
- 311 -- Used Oil Filter Management
- 312 -- Spent Abrasive Blaster Media
- 313 -- Drum/Container Management
- 315 -- Commercial Chemical Storage and Disposal
- 316 -- Used Absorbents & Used Rags Management
- 317 -- Laboratory Waste Management

BMP Table of Contents

318 -- Housekeeping

300s - HAZARDOUS AND SOLID WASTE STANDARDS – (con't)

319 – PVC Insulators, Edge Strips, Mist Balls, and Paraliners
320 -- Scrap Metal Management
321 -- Secondary Containment & Sump for Tanks & Containers Containing Hazardous Substances
322 -- Used Fluorescent and Mercury Containing Lamp Management
323 -- Contaminated Soil
324 -- Hazardous Waste Identification & Handling
325 -- Used Aerosol Can & Paint Marker/Pen Management
326 -- Used Battery Management
327 -- Waste Tire Management
328 -- Satellite Accumulation Areas
329 -- Morenci Townsite Municipal Waste Transfer Facility
331 -- Inactive Process Tank Management
332 -- Equipment Storage Management
333 -- Parts Washers – Usage and Servicing/Cleaning (BMP 333 & 334 combined)
335 -- Used Power Poles and Railroad Ties Management
336 -- Scrap Wood Management (obsolete)
337 -- Latex-Water Based Waste Paints Management
338 -- HDPE & LDPE Recycling
339 -- Scrap Conveyor Belting Management
340 -- Use of Pesticides & Herbicides Management
341 -- Prill Management
342 -- E-Waste Management

400s - CERCLA STANDARDS

400 – Spill Notification
401 – Sewer & Waste Water Spill Clean Up
402 – Spill Clean Up

600s - HAZARDOUS TRANSPORTATION STANDARDS

600 -- Hazardous Material, Substances or Waste Shipping

700s – ENVIRONMENTAL MANAGEMENT SYSTEM STANDARDS (Environmental Services Use Only-do not post)

702 – Environmental Aspects & Impacts Evaluation
703 – Compliance Obligations
704 – Identification & Development of Training
706 – Documented Information (combined 706 & 708)
708 – Non-Conformity Corrective Actions
710 – Internal EMS Audits

800s - MISCELLANEOUS STANDARDS

800 – Product Review Process & MSDS Submission
801 – Chemical Inventory
802 – Migratory Bird Conservation (Environmental Services Use Only)



NOTE:

Hard copies of Best Management Practices (BMPs)
are uncontrolled.

Controlled copies of BMPs are
located on the Morenci Contractor Website.

As a Contractor your responsibility is to be sure you are
working with the most current BMP document.

APPENDIX G



Morenci Environmental Service (928) 865-6000

Office Location – Hwy 191 & Palo Verde

*Environmental Spill Hotline Number – To report spills
(928) 865-7745
Or
(928) 865-SPIL*

*Please contact the Environmental Services General
Number for contact information
and directions to office.*