AGNICO EAGLE

Meadowbank Division

MEADOWBANK COMPLEX

Emergency Response Plan (ERP)

2025

VERSION 20a

Electronic Approval		
Meadowbank Complex		
Owner / Approver	Health and Safety Superintendent Patrick Goldfinch	Patrick Goldfinch Digitally signed by Patrick Goldfinch Date: 2025.03.27 12:04:45 -04'00'
Approver	General Manager Eric Steinmetzer	Eric Steinmetzer Digitally signed by Eric Steinmetzer Date: 2025.03.31 08:40:34 -04'00'
Reviewer	ERT Coordinator Christina Lajambe on behalf of Philippe Beaudoin	Christina Lajambe Digitally signed by Christina Lajambe Date: 2025.03.27 08:33:13 -05'00'

Version V.##	Revision date YYYY/MM/DD	Modification
V.20a	2025/03/25	Page 68 - addition of table of potential gas exposures
V.19b	2025/03/07	Change the general manager, -Update the dispatch flow chart adding road incident process, - update all appendix, -add UG dispatch to the role of accountability officer for all UG incidents. Section 7.1 - who is the UG accountability officer 9.4 - Add tools (document links) for the UG accountability officer -new communication & action grid for dispatch on the action needs to be done for all sites. -Check list 8.6 Service coordinator reviewed
V.18	2023/08/30	All check lists have been combined in one set and the specific differences were added in the section gathering information's check list. The UG emergency and the H&S check list have been revised.
V.17	2016/02/05	Update by removing few positions
V.16	2015/12/22	Changes persons to positions in the listing
V.15	2015/11/17	Precision on the non-participation of B.L. local resources in case of cyanide accident in B.L.
V.14	2015/09/13	
V.13	2015/04/24	Management Phone Listing added
V.12	2015/03/11	
V.11	2014/10/30	
V.10	2014/07/23	
V.9	2013/09/11	General Revision and compliance with International Cyanide Management Code

V.8	2012/08/10	Revised procedure for calling a Code 1 using radios
V.7	2013/08/09	Updated information on Dikes, Storm Water
V.6	2013/05/21	Added appendixes at back
V.5	2013/05/21	Review of all documents – logo change – Duty cards
V.4	2012/07/27	Review of all documents
V.3	2012/01/31	Review of all the documents
V.2	2009/11/16	Confirmation of specific details and procedures Account for as-built designs and emergency preparedness for dike failure scenarios
V.1	2008/10/31	Revision to include East Dike design modifications
V.0		Original Creation by Norman Ladoucer

Table of Contents

1 PURPOSE AND SCOPE

PURPOSE

The purpose of this Emergency Response Plan (ERP) is to provide a consolidated source of information for employees, contractors, and site visitors to respond quickly and efficiently to any foreseeable emergency that would likely occur at the Meadowbank Complex. The Meadowbank Complex includes the Amaruq site located 70 km northwest of Meadowbank. This ERP forms a component of the Environmental Management System (EMS) for the Project. As such, it is a working document that will be reviewed and updated on a regular basis as the mine develops, construction and operations proceed according to the guidelines mentioned in the Emergency plans program document. MBK-HSS-EMR-EMERGENCY PLANS PROGRAM.

This ERP addresses gold mining, processing, transportation and related activities at the Meadowbank Complex as well as possible emergency scenarios that may occur at the Amaruq mine deposit, along the Amaruq production road or off-site along the All-Weather Access Road or at the Baker Lake Marshalling Facility, as well as at the Meadowbank Complex mine site.

Guiding the development of this document has been the principle that an effective ERP must provide:

- A clear chain of command
- Well-defined corporate expectations regarding Emergency management
- Comprehensive hazard prevention and control methods; and
- Record-keeping requirements to track program progress.

AEM will ensure that all employees, contractors, and site visitors fully understand and comply with all legislated safety standards, and the policies and procedures outlined in the ERP.

A risk assessment has identified the following scenarios that pose the greatest potential threat to Meadowbank complex. This plan provides the framework and guidelines to respond to any incident, whether it is listed below:

- Surface emergency
- Underground emergency
- Serious injury or Mass Casualty Incident
- Medical Evacuation (Medevac)
- Pressure vessel emergency
- Spill response

- Water and ice emergency
- Aircraft emergency
- Vehicle Accident on the roads

This ERP will be reviewed once a year, or more frequently as required. The purpose is, to ensure compliance with applicable legislation, to evaluate its effectiveness and to continually improve the procedures.

SCOPE

The Emergency Response Plan (ERP) is activated when an operations-related emergency, accident or malfunction occurs, or if such an incident is foreseeable. The ERP outlines potential emergency scenarios, initial actions for emergencies and the internal and external resources available including personnel, emergency response equipment and communication systems.

The ERP will be reviewed and updated as required, but on a minimum basis of at least once per year or following its implementation.

Updated Hard copies are available only in Emergency Control rooms.

Any other hard copy SHOULD NOT BE CONSIDERED up to date.

2 DEFINITIONS

Acronyms
AEM – Agnico Eagle Mines Limited – Meadowbank Complex
AMQ – Agnico Eagle's Amaruq Mining Area
AWAR – All Weather Access Road
BO – Briefing Officer
CDA – Canadian Dam Association
DFO – Fisheries and Oceans Canada
ECC – Emergency Coordination Centre
EMS – Environmental Management System
EPP – Emergency Preparedness Plan
ERP – Emergency Response Plan
ERT – Emergency Response Team
FoS – Factors-of-Safety
GN – Government of Nunavut
HMMP – Hazardous Materials Management Plan
HR – Human Resources
HSC – Occupational Health & Safety Committee
IATA – International Air Transport Association
ICS – Incident Command System
IC – Incident Commander
INAC – Indigenous and Northern Affairs Canada
KIA – Kivalliq Inuit Association
MCI - Mass Casualties Incident
MOD – Manager on Duty
MR – Mine Rescue
MMER – Metal Mining Effluent Regulations
SDS – Safety Data Sheets
MSHA – Mine Safety and Health Administration
NWB – Nunavut Water Board
OHSA – Occupational Health and Safety Administration
OHSP – Occupational Health and Safety Plan
RAD – Rescue Action Director
PPE – Personal Protective Equipment

Acronyms
SCP – Spill Contingency Plan
SO – Security Officer
TDG – Transportation of Dangerous Good
TSF – Tailings Storage Facility
WCB – Worker's Compensation Board
WHMIS – Workplace Hazardous Materials Information System

3 PROCESS

AEM'S POLICY STATEMENT

AEM is committed to protecting the health and safety of all its workers and the environment, and to adhere to all legislated safety standards. The necessary resources will be available to respond quickly and efficiently to all emergencies to prevent injury to, or degradation of, the health of individuals or the environment. In implementing this emergency response policy, AEM will set preparedness targets and report its progress on a regular basis.

To this end:

Relevant emergency response requirements are to be incorporated into the ERP.

Senior management is responsible for making funds and other resources available, including hiring, and training qualified personnel, to ensure the successful implementation of the ERP.

Supervisors are responsible for ensuring that their employees are aware of, and trained in, the proper emergency response procedures and contact information are posted in all work areas. Supervisors are also responsible for making sure that all employees are following the applicable and H&S regulations..

The Health and Safety department is responsible for ensuring that an Emergency Response Team is established at the Meadowbank complex sites. In addition, the department is responsible for establishing an Underground Rescue team at Amaruq.

The ERP will be tested on a periodic basis to ensure its effectiveness.

POLICY WITH RESPECT TO CONTRACTORS AND VISITORS

Contractors and visitors are required to follow the ERP as discussed during orientations. Everyone who is new to the Meadowbank complex facilities is required to perform an on-site familiarization immediately upon arrival and attend the Emergency Measures Inductions typically scheduled twice a week.

In some cases, contractors may be required to produce their own site-specific ERP. The Contractors site- specific ERP must be submitted to the Emergency Measure Team for review and approval. The contractor Site-Specific ERP must be reviewed annually or when requested by AEM Meadowbank Complex management.

ENVIRONMENTAL POLICY

AEM is committed to achieving a high standard of environmental care in conducting its activities. AEM's Environmental Policy includes:

- Compliance with all applicable legislation including laws, regulations, and standards. Where laws do not exist, appropriate standards will be applied to minimize environmental impacts resulting from our activities.
- Open communication with government, the community, and employees on environmental issues.
- Development and adherence to management systems that adequately identify, monitor, and control environmental risks associated with AEM's activities.
- Assurance that the employees are aware of their responsibilities and comply with AEM's Environmental Policy and field guide.

It is the policy of AEM to protect the environment, public health and safety, and natural resources by conducting operations in an environmentally sound manner while pursuing continuous improvement of our environmental performance.

ORGANIZATIONAL RESPONSIBILITY

This section details the roles and responsibilities of all parties involved in emergency response planning and implementation at the Meadowbank complex mine site.

The General Manager is responsible for implementing and maintaining the ERP. In addition, the General Manager's responsibilities are to:

- Act as a spokesperson on behalf of AEM with the public, media, and government agencies, as required.
- Prepare and submit any formal reports (within the required time frame) to regulators and AEM management detailing the occurrence of an emergency; this includes submitting an incident reporting form.
- Ensure that all departments are provided with the resources necessary to fulfill their specific departmental roles and responsibilities.
- Work with the Health & Safety and Training Department to evaluate what training is required by all staff, ensure that all staff are given appropriate training, and ensure that all staff are retrained as needed.
- Ensure that the Human Resources Superintendent has the means (financial and otherwise) to ensure that all employees' training requirements are current.
- With the support of the applicable departments, ensure that quality training and subsequent re-training is provided to all applicable employees.
- Ensure that the required numbers of Emergency Response Team members and Underground Rescue team members are available on site
- Ensure that emergency response training, practices, drills and exercises are performed in accordance with the applicable H&S Act, Regulations and Code of Practice.
- Ensure that emergency response equipment is maintained, inspected, and renewed or updated according to the applicable H&S Act, Regulations, Code of Practice and manufacturer instructions
- Complete an annual detailed review of the ERP with the management team and the Joint Health and Safety Committee with particular emphasis on the objectives and methods of the plan, and the job descriptions of all positions named within.
- Ensure that updates to new emergency communications information (new phone numbers, changes in reporting structure, etc.) are distributed as soon as the new information becomes available.

EMERGENCY CONTROL ROOM

During an emergency, the Control Group should meet in a Control Room nearby so that they can more effectively manage the rescue and recovery operations.

Therefore, at the time of any emergency, all the management team and/or their designate must report to the **Meadowbank Emergency Control Room no 1** located in the Service Building 3rd floor boardroom.

In the event that the Service Building is involved into the emergency situation or is considered at high risk at this moment, the Emergency Control group will report to the air controller tower control room.

The management personnel or designates that are working at the Amaruq mine site at the moment an emergency occurs will gather to the **Amaruq Emergency Control Room** (conference room) In the event that the Amaruq Main camp is involved into the emergency situation or is considered at high risk, the **maintenance shop lunchroom will be the option 2**.

NOTE: To reflect the reality of the Meadowbank complex, since all emergency procedures, plans and flowcharts are all the same from one site to the other, all departments responsible (management team) will respond at the site control room. From whichever site, they are at the moment of the emergency. Both sites will work as one team by audio and video conference, exactly like the daily meeting. The Meadowbank complex will be managed by only one CONTROL OFFICER and one (RAD) Rescue action director.

The minimum facilities that must be maintained in these locations at all times include:

- Access to appropriately programmed radios.
- Access to a computer, to obtain information that can help to manage the emergency (such as ventilation systems or gas monitors).
- Telephone.
- Hard copies of the Meadowbank Emergency Response Plan, Meadowbank Crisis Management Plan and all Appendices.
- Internal emergency contact telephone list.
- External emergency contact list.
- Whiteboard and markers.
- Stationery, pens, and other office supplies.
- Shutdown procedures for operations.
- Locations of hazardous material storage areas.
- Locations of emergency and safety equipment.

- Locations of first aid stations and muster areas.
- Maps of communities and environmental maps.
- Information on location of other communications equipment, including portable sets.
- Information on emergency power.
- Contacts for other utilities.
- Safety Data Sheets (SDS).
- List of personnel with alternate skills for use in emergencies.
- Type and location of alarm systems.
- Accident report forms.
- Accident status board and logbook.
- Notification lists, staff lists, contact lists, with regular and emergency telephone/pages numbers,
- etc.

The Emergency counselors are designated to make sure all these facilities are ready at all times.

Emergency operations will be directed out of one of the Emergency Control Rooms (ECR) from where the following will take place:

- Key decisions will be made, and operations will be managed.
- Technical information to direct emergency activities will be provided.
- A communications center will be established for emergency operations and to communicate with other organizations.
- Resource procurement will be provided, and resource use will be directed.
- Any damage will be assessed, and long-range objectives and plans will be developed.
- Information on the emergency will be stored and disseminated to all necessary internal and external parties.

EMERGENCY RESPONSE ROOM

The Emergency Response Room is the headquarters of the **Emergency Response Team** and the **Mine Rescue Team** during an emergency. It is equipped with all the equipment deemed necessary for any emergency.

In Meadowbank and Amaruq, this Room is known as the ‘’Fire Hall’’. Both are located beside their respective site clinic’s.

TRAINING

The HR Superintendent is responsible for documenting, tracking, and updating all training activities. Records of training requirements and training attendance will be kept, tracked and updated for all employees by the HR Superintendent to ensure that retraining occurs as required.

For mine operations, AEM will ensure a sufficient number of trained ERT / Mine Rescue team members are on both AMQ and MBK sites at all times. All members of the ERT / Mine Rescue will be trained and familiar with emergency procedures. Emergency training will be conducted annually to ensure that a sufficient number of team members are available and that their training is up to date.

EMERGENCY RESPONSE EQUIPMENT

The Emergency Measures Team will ensure that site drawings and equipment lists are readily available from concerned departments so that all this important information is easily accessible. This will include the following:

- Location and isolation points of energy sources.
- Location of emergency equipment (e.g., fire water pumps, fire extinguishers, monitors, self-contained breathing apparatus);
- Emergency procedures outlines, such as specialist firefighting, chemical neutralization.
- Availability of internal and external emergency medical support (e.g., hospitals, clinics, ambulances, medical supplies, personnel with medical or first aid training);
- Location of toxicity testing facilities (e.g., gas and water);
- Location of wind direction / speed indicators.
- Location of personal protective equipment and directions on its proper use; and
- Location of first aid stations and muster areas.

The Incident Commander, EMT, and Health and Safety Superintendent will know where all of this information is posted and where emergency equipment is stored. These individuals will also be trained in the proper use of emergency equipment.

EMERGENCY CONTROL GROUP – ON SITE MANAGEMENT TEAM

No single department can handle an emergency alone. Everyone must work together to manage the emergency and coordinate the effective use of all available resources.

To this effect, when managing emergencies of all sizes. An adapted Incident Command System (ICS) is used.

The Incident Command System is a standardized approach to the command, control, and coordination of emergency response providing a common hierarchy within which responders from multiple departments can be effective.

ICS is often referred to as an “all risk system” and is intended to provide a management system which organizes the functions, tasks, and staff within the overall emergency response. Utilization of ICS enhances the ability for our operation to integrate with other first responders and agencies which may be involved in emergency response allowing for error-free communication and clear definition of roles.

ICS establishes five functional areas for management of major incidents: command, operations, planning, logistics, and finance/administration. Span-of-control recommendations are followed closely, so the organizational structure is never larger than required.

The Incident Commander in the Command Section and all other roles discussed fall within the Operations section of the ICS hierarchy. The Planning, Logistics and Finance functions associated with ICS will primarily be undertaken by AEM Meadowbank complex Senior Management during the course of normal operations.

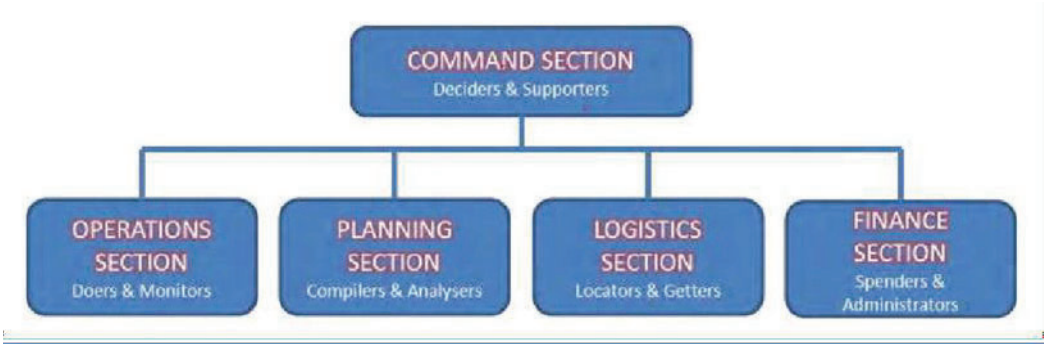
The Emergency Control Group lends support, fosters efficiency, and provides additional knowledge during an emergency response situation.

The CONTROL OFFICER, (Mine Manager or Designate) maintains the overall coordination and direction of the Emergency and ensures the continued safety of all employees and the public.

However, the Superintendent or designate of the Area affected by the emergency will be designated as the **RESCUE ACTION DIRECTOR** (Role information on coming pages) and take the lead with the development of the overall emergency response plan.

The remainder of the Emergency Control Group members will be given specific roles to perform to assist the management and coordination of the emergency response plan.

Specific checklists to various potential Emergency situations can be found further in this document.



Priorities

At all times from the establishment of the Emergency Control Group for a specific situation, the priorities will be as following:

1. SAFETY OF ERT/UG TEAM MEMBERS
2. SAFETY OF UNAFFECTED WORKERS AND VISITORS
3. CASUALTIES
4. ENVIRONMENT
5. MITIGATION
6. REHABILITATION
7. INVESTIGATION

Roles & Responsibilities of the Emergency Control Group (See Checklists)

CONTROL OFFICER (GENERAL MANAGER OR DESIGNATE)

The General Manager (GM) or designate assumes the role of **Control Officer** and oversees the rescue and recovery operations.

Immediate duties of the Control Officer include:

- The Control Officer works with the Control Group to determine a plan of action to minimize endangerment to life and facilities.
- The Control Officer will take charge for overseeing and approving the overall emergency strategy. There is only one Control Officer for both sites at all times. However, should the General Manager or designate be physically working from one of the two possible locations, there will be a ‘’Site Responsible’’ for the site being temporarily left without a General Manager.
- Using the Control Group as a resource team, the Control Officer makes the final decisions concerning rescue and recovery operations.
- As rescue and recovery operations progress, the Control Officer might be required to authorize some major decisions such as reversing the ventilation or setting rescue and recovery priorities.

  Immediate duties of the Control Officer include:

- Consult with the Site Responsible if an Emergency occurred on the site under the Site Responsible authority.
- Consult with the Incident Commander regarding the status of emergency.
- Consult with the Emergency Management Team member on site.
- Initiate the Emergency Response Plan and appoint the Emergency Response Group to report to proper Emergency Response Room.
- *Refer to the CONTROL OFFICER Checklist.*

RESCUE ACTION DIRECTOR (RAD)

The Control Officer appoints the **Rescue Action Director**.

- The RAD is a member of the Control Group who is responsible for the area in which the emergency occurred. Alternatively, a coordinator or team leader from the affected area should perform this role. For example, for an underground emergency, the higher ranked Underground Supervisor would be appointed Rescue Action Director. **The RAD will report to the Emergency Control Room.**

Immediate duties of the Rescue Action Director include:

- Ensure the evacuation procedures have been activated and all personnel of been accounted for, if required.
- In consultation with the Incident Commander (IC), Ensure that there are sufficient rescue members available to respond to the emergency.
- In consultation with the Incident Commander (IC), ensure that the Rescue team has back-up support, a standby team.
- Ensure that the Rescue team has refreshments and nourishment (if the emergency requires several hours to resolve).
- In consultation with the Incident Commander (IC), assess the size and severity of the emergency and the likely consequences. Establish response priorities.
- Maintain communication with the Incident Commander on channel 1 and monitor channel 2 (Tactical) (AMQ, MBK, or UG 2)
- Advise the Control Officer of the rescue team's activities, regarding the rescue and recovery operations.
- In consultation with the Incident Commander (IC), appoint sufficient personnel, equipment, and outside services. Utilize the members of the Emergency Control Group to organize these resources.
- In consultation with the Incident Commander (IC), advise the Control Officer when the emergency situation is under control and give the "All Clear".
- Participate in investigation post emergency.
- Coordinate an orderly return to normal operating conditions.
- Arrange for a debriefing with everyone involved in resolving the emergency.
- Assist to write the final report.
- *Refer to RESCUE ACTION DIRECTOR (RAD) Checklist*

LOG RECORDERS

In the event that an Emergency Response is initiated, there will be a need to have two Log Recorders one in the Emergency Control Room and one in the Emergency Response Room.

The Control Officer appoints **two Log Recorder** to record all events in chronological order from the start to the termination of the incident. Can be the Engineering Superintendent and Designate.

The log is intended to be a systematic record of the events from the start of the emergency through all phases to termination and will be used in the preparation of the final report. It is important that the log is legible, and that all information is recorded.

Immediate duties of the Log Recorder include:

- Listen to all radio and internal room communications and record all information provided by ERT team, Emergency Control Group Members Etc.
- *Refer to LOG RECORDERS Checklist*

PERSONNEL ACCOUNTABILITY OFFICER

The Personnel Accountability Officer is appointed by the Control Group. The purpose of this position is to control the activities of personnel in affected areas.

This person can be the Geology Superintendent or a Designate.

Immediate duties of the Personnel Accountability Officer include:

- The Accountability Officer is required to contact the occupied Muster Stations by using proper radio channel (Muster channel) to ensure that there is a supervisor or designate in charge of that specific muster station and give them 20 minutes to achieve the head count.
- The Accountability Officer will also give instructions to the Muster Station Supervisor to designate a specific guard for every door of the muster station to avoid people already registered to leave the Muster Station.
- The Accountability Officer will need to record the time the muster station was called, who is in-charge of the muster station, and any other instructions that have been given.
- The Accountability Officer needs to open the FLO System on his/her laptop in order to cross reference the names, once they receive the lists from the Muster Stations. (Additional people may need to be assigned to assist with the cross reference, in order to complete the
- head count in a timely manner).
- *Refer to the Personnel Accountability Officer Checklist*

SWITCHBOARD OPERATOR

The Switchboard Operator is appointed by the Control Officer and must be stationed in a location close to the Emergency Control Room. IT Superintendent or designate.

The switchboard operator must be stationed in a location close to the Emergency Control Room.

Immediate duties of the Switchboard Operator include:

- Contact the Control Officer, who will decide whether outside communication (Internet and phone lines) should be cut off until the emergency is over.
- Receive all incoming calls and keep an accurate log of those calls (name of caller, time of call, message).
- Transfer all pertinent calls to the Control Group, such as calls from the WSCC, other Agnico-Eagle sites, and AEM regional and head offices.
- Ensure that any information received is passed to the Control Group.
- *Refer to SWITCHBOARD OPERATOR Checklist*

COMMUNICATION OFFICER

The Control Officer appoints the Communications Officer, Human Resources Superintendent or Designate. The Communications Officer is responsible for contacting the relevant agencies after the initial information regarding the emergency has been verified by the Control Group and approved by the control officer.

Immediate duties of the Communications Officer include:

- Obtain relevant information of missing individuals (including names, addresses, and occupations).
- Ensure all information for the event and the body are found and confirmed to give support to corporate or RCMP when notifying of` next of kin.
- Contact all relevant agencies after the initial information regarding the emergency has been verified by the Control Group and approved by the control officer.
    - These agencies might include, but are not limited to:

      RCMP if needed. (Baker Lake RCMP 867-793-1111)
- Attend when bodies are identified and assist police in the recovery of personal effects.
- Arrange financial or other assistance for dependents as required.
- As requested, or required, arrange meals, refreshments, accommodations, and travel for patients, off-site rescue teams, support personnel, Control Group, and other personnel.
- Arrange for additional staff from camp to cover 24-hour service if required.
- Where local community members are involved, arrange for assistance from their home

community for translation if needed.

- Assist Corporate Communications Coordinator to prepare a media release, upon direction from the Control Officer
- Plan for outside counselling services to come to the mine site if required.
- *Refer to the Communication Officer Checklists (*CMP 1.7 Crisis Fact Gathering sheet)*

INCIDENT COMMANDER

The Incident Commander work in collaboration with the direction of the Control Group.

This person is responsible for directing the Emergency Response Team during the response.

Main Duties for surface Emergencies:

- Ensure the safety of the Emergency response team all time.
- Maintain contact with the Control Group.
- Obtain details of the emergency from Dispatcher, including:
  - Nature of the emergency.
  - Location of the emergency.
  - Number and location of people accounted for.
  - Any personnel missing.
- Ensure that emergency response personnel have the appropriate equipment for the task.
- Carry out instructions from the Control Group.
- Dispatch available ERT personnel to the incident scene as required.
- Maintain contact with ERT personnel.
- Update the Control Group with progress reports.
- Ensure that the incident scene has been secured at the completion of the operation so that the investigation can begin.
- *Refer to the Incident Commander checklist*

MINE RESCUE BRIEFING OFFICER

The BO works under the direction of the Control Group to direct the Mine Rescue Team in response and recovery operations.

Main Duties for Underground Emergencies:

- Obtain details of the emergency including

  Nature and location of the emergency.
  - Information from the scene of the incident, such as visibility; status and location of fresh air base, refuge stations, standby teams, communications, ventilation, mine rescue equipment, firefighting equipment and hydrants, tools and supplies, first-aid equipment and stretcher; installations such as air, water, and electricity.
  - Time constraints.
  - Number and location of persons accounted for.
  - Persons missing, location, and trained persons available to assist.
  - Action taken so far.
  - Route of travel.

  Develop an action plan for the mission.

  - Ensure that Mine Rescue personnel have the appropriate equipment for the task.
  - Carry out instructions from the Control Group.
  - Dispatch Mine Rescue personnel to the incident scene as required.
  - Maintain contact with the Mine Rescue Team.
  - Update the Control Group with progress reports.
  - Ensure that the incident scene has been secured at the completion of the operation so that the investigation can begin.
  - The Briefing Officer will refer the appropriate checklist.
  - *See Mine Rescue Briefing Officer Checklist*

Link to MBK-HSH-EMR-FRM-UG Mine Rescue Briefing Officer Mission Preparation

EMERGENCY RESPONSE / MINE RESCUE TEAMS

The ERT / Mine Rescue Team Members must report to the proper Emergency Response Room (Fire Hall in MBK and Emergency Response room in AMQ) when summoned for a “Code 1” emergency.

ERT / Mine Rescue Team Members will be given instructions on the emergency by the IC (surface) and BO (UG).

Immediate duties of the Communications Officer include:

- Don Rescue PPE and obtain gear.
- ERT / Mine Rescue Team Members will follow instructions from the Team captain’s, IC or BO and will not put the Team at risk.
- The ERT / Mine Rescue Team Captain will maintain radio contact with the IC or BO throughout the emergency.

Emergency Response Team responds to the following situations:

- Traumatic medical emergencies.
- Structural and vehicle fires.
- Bush/Tundra fires, and other surface fires.
- Support for Mine Rescue Team.
- Providing additional support to the medical staff (MedEvac, code white, other,)
- On-site aircraft emergencies.
- Vehicle accidents and extrications.
- Spill response.
- Water and ice emergencies.
- Others as required.

The Mine Rescue Team responds to the following situations:

- Underground fire.
- Underground medical emergencies.
- Underground vehicle accidents.
- Fall of ground where injuries are involved.
- Contaminated-air response.
- Retrieval of casualties.
- Back-up for Emergency Response Team as required.

MINE SITE MEDICAL PERSONNEL

Upon notification of an emergency, the medical staff must report to the medical clinic.

Immediate duties and responsibilities of the medical staff include:

- Prepare to accept multiple casualties.
- Attend the incident scene if requested by the Control Group or IC.
- Contact the Control Group if additional help is required for making phone calls, recording medical treatment, etc.
- Ensure that medical forms and emergency phone numbers are available for recording information and arranging for medevac if required.
- Notify AEM's Medical Director if a doctor's expertise is required.
- Ensure that an ambulance has been arranged.
- Prepare first-aid facilities and any additional accommodations that might be required to receive and treat casualties.
- Be prepared to accept casualties suffering from smoke inhalation.
- Prepare emergency responder kits, if required, to be sent to an incident scene.
- Notify the Control Officer if other first-aid responders need to be called out.
- Confirm arrangements with the Control Group for supplies, etc.
- Follow the procedure for emergency medical evacuations.
- Maintain a log of all actions taken.
- *Refer to Mine Site Medical Checklist*

HEALTH & SAFETY SUPERINTENDENT OR DESIGNATE

Prior to Emergencies

- Ensure this procedure, duty cards and all subsequent procedures are kept up to date
- Ensure first aid and emergency response vehicles are operational and ready for use at all times and receive preventative maintenance at designated intervals.
- Training of ERT / Mine Rescue personnel is available and up to date.
- Ensure sufficient ERT / Mine Rescue members are on site at all times.
- Ensure all specialty equipment is quickly and continuously available.

During Emergencies

- Ensure that all Management respond to the emergency and meet in the emergency control room.
- He will oversee all activities that require Security or Nursing. He will arrange for Medevac transport, if required.
- Will assist with getting a “head count” for the Official in-charge.
- Assist with obtaining outside help if required:
- Ensure that the evacuation procedure is activated, if required
- Account for department personnel.
- Assist the Control Officer as well as Emergency Response Team and Mine Rescue Team leaders.
- Ensure that the rescue teams are outfitted with the appropriate personal protective equipment (PPE).
- Assist the Incident Commander and Rescue Action Director with scheduling of rescue teams.
- In consultation with the Incident Commander (IC), Perform Job Hazard Analysis as needed.
- Provide a scribe to the IC or BO during emergency.
- Ensure the incident scene is safe and secured.
- Maintain a log of all actions taken.
- After the incident, ensure that the scene is left undisturbed, initiate an investigation, and prepare a report.
- *Refer to HEALTH AND SAFETY checklist*

ENGINEERING / GEOLOGY OFFICER

The Engineering/Geology Officer is appointed by the Control Officer.

This person must be able to provide information on several disciplines, including ventilation, ground control, surveying, geology, and plant infrastructure.

Immediate duties of the Engineering / Geology Officer include:

- Provide technical advice to the Control Officer and Rescue Action Director.
- Ensure that maps and plans are maintained up to date and available for the Control Room and Emergency Response Room.
- Advise the Control Group when damage to surface buildings or underground structures, including ground control, exceeds safety limits.
- Maintain a log of all actions taken.
- Account for department personnel.

MATERIAL MANAGEMENT OFFICER

The Materials Management Officer or designate reports to the Control Officer and, with the Warehouse Department, is in charge of materials management in an emergency.

Immediate duties of the Material Management Officer include:

- Report to the warehouse to distribute tools and supplies as requested by rescue and recovery teams (for example, hand tools).
- Inform suppliers of emergency materials needed and arrange for shipment to the site if required.
- Coordinate sourcing of material and equipment required for handling materials.
- Inform suppliers if transporters are involved in the emergency.
- Maintain a log of all actions taken.
- Account for department personnel.

ENERGY AND INFRASTRUCTURE MECHANICAL TEAM LEADER

The E&I Team Leader or designate works under the direction of the Control Group.

Immediate duties of the E&I Mechanical Team Leader include:

- Account for department personnel.
- Refill the stench gas system as required.
- Ensure that a mechanic does a pre-op check of required equipment.
- Ensure that additional vehicles, pumps, etc. have been serviced and fueled, as directed by the Control Group.
- Be prepared to provide any necessary tools and supplies, as required.
- Ensure that the foam generator is operable, in underground and airport emergencies and structural fires.
- Replace stench gas containers after use.
- Maintain a log of all actions taken.
- *Refer to Service Coordinator E&I checklist*

ENERGY AND INFRASTRUCTURE ELECTRICAL TEAM LEADER

The Electrical Team Leader or designate works under the direction of the Control Group.

Immediate duties of the E&I Mechanical Team Leader include:

- Account for department personnel.
- Isolate electrical services and ensure appropriate compliance with lockout procedures, as required, at the request of the Control Group.
- Ensure that the sufficient emergency generators are functional.
- Ensure that an adequate number of electricians has been notified.
- Ensure that a representative from Instrumentation is available to the Control Group.
- Maintain a log of all actions taken.
- Return electrical services to regular operating mode after the emergency, upon approval from the Control Officer.
- *Refer to Electrical Team Leader E&I Checklist*

SECURITY OFFICERS

This position reports to the Control Officer

Immediate duties of the Security Officers include:

- In any emergency situation, the Security Department provides control of the site:
- Security Officers allow access to authorized personnel only.
- A patrolling Security Officer can proceed to the emergency area, direct the emergency crews to the emergency, and deny access to unauthorized personnel.
- A Security Officer can assess the emergency, decide whether additional security officers are needed, and relay this request to the Control Group.
- Help with the main camp rooms check for head count.
- Ensure the proper gold protection and assets
- *Refer to Security Checklist*

SUSTAINABILITY OFFICER

The Environmental Officer is appointed by the Control Group. Person would be the **Environmental Superintendent or Designate).**

Immediate duties of the Security Officers include:

- Account for department personnel.
- Ensure that any environmental impacts are minimized.
- Provide technical expertise related to Hazardous Materials spills response, containment and recovery.
- Undertake post-incident monitoring if required and ensure appropriate remediation actions.
- Ensure that all relevant statutory reports and notifications are completed.
- *Refer to SUSTAINABILITY OFFICER ENVIRONMENT CHECKLIST*

OCCUPATIONAL HEALTH AND SAFETY COMMITTEE

The Occupational Health and Safety Committee are responsible for:

- Review the emergency response plan on an annual basis.
- Assist with any investigation resulting from the emergency.

ALL EMPLOYEES

All employees are responsible for:

- Reporting to the nearest Muster Station when a fire alarm is activated.
- Perform a quick search of work area if safe to do so, close doors as they progress.
- Employees reporting to the Muster Station need to assemble at the placard that has their department name.
- Employees must stay put in the Muster Station at all time.
- Reporting any emergency by using the proper available mean of communication (phone or radio), to describe the type, the location, and nature the emergency, including possible injuries, trapped personnel, and the presence of any chemical or explosive hazards.
- Assist when requested, if they feel safe and capable of helping i.e. (Assistance may include controlling muster location access, searching safe work area, assisting in low-risk activities to support ERT/UG rescue team efforts, Operating equipment)

SUPERVISORS

The Supervisor is responsible for:

- Ensuring the “Code 1” call in, is accurate and that all the pertinent information is available for the Control Officer. (Providing details regarding the type, the location, and the nature of the emergency, including possible hazardous materials involved and health and safety concerns);
- Perform a quick search of work area if safe to do so, close doors as they progress.
- Ensure all workers on his shift are accounted for.

OTHER PERSONNEL

Depending on the nature of the emergency (medical, electrical, mechanical, fire, etc.) other site personnel, including the Site Electrician, Site Mechanic, and others, may be called upon to play key roles.

EMERGENCY RESPONSE CONTACT INFORMATION

AEM internal emergency response personnel, their duties, and phone numbers have been compiled, as well as for important external contacts such as regulatory agencies, health organizations and transportation companies providing evacuation support.

Internal Emergency Response Contact Information

Acting Manager/Manager on Duty	Radio: 460-9400 or 460-9401
General Manager (AMQ)	Radio: 460-9250, Cell: 819-763-0187
General Manager (MBK)	Radio: 460-9250 Cell: 819-763-0187
General Superintendent	Radio: 460-9249
Emergency coordinator	Radio: 460-5128, Cell: 450-847-4214 Ext: 6809
Emergency counselors	Radio: 460-5140 or 460-5148
Incident Commander MBK	Radio: 460-5150
Incident Commander AMQ	Radio: 460-5138
Health & Safety	Radio: 460-5172, Cell: 514-231-6912
Information Technology	Radio: 460-5003
Security MBK	Radio: 460-5167
Security AMQ	Radio: 460-5169
Engineering Surface	Radio: 460-5278
Geology	Radio: 460-5224
Mining Dept.	Radio: 4605197
Environment	Radio: 4605120
Process Plant	Radio: 460-5273
Energy and Infrastructure MBK	Radio: 460-5274
Energy and Infrastructure AMQ	Radio: 460-5275
Human Resources	Phone: 460 5280
Camp	Radio: 460-5127
Maintenance management #1	Radio: 460-9359
Maintenance management #2	Radio: 460-9799
Maintenance AMQ OP	Radio: 4605268
Maintenance AMQ UG	Radio: 4605488
Maintenance MBK GS	Radio
Logistics and Warehouses AMQ	Radio: 460-5207
Logistics and Warehouses MBK	Radio: 460-5350
UG Mine	Radio: 460- 5100

Every superintendent,

when not at Amaruq or Meadowbank site,

has the responsibility to designate a alternate

that will become the official representative of the department and act accordingly

in case the Emergency Response Plan is activated.

To reach the whole management team with one call, contact mine dispatch to have the group paged.

EXTERNAL EMERGENCY CONTACT INFORMATION

Organization / Authority	Telephone Number	Fax Number
NT-NU 24-Hour Spill Report Line	867-920-8130	867-873-6924
Nunavut Water Board	867-360-6338	867-360-6369
Environment Canada, Environmental Protection Branch	867-669-4700	867-873-8185
Environment Canada: 24-hour emergency pager monitored by Emergency and Enforcement	855-895-0739 867-920-8130	867-873-6924
Manager Pollution Control & Air Quality Environmental Protection, Government of Nunavut	867-975-7748	867-975-5981
General Inquiry Department of Environment, Government of Nunavut	867-975-7700	
Indigenous and Northern Affairs Canada (INAC) Water Resources Manager, Nunavut Regional Office	867-975-4550	867-975-4585
Indigenous and Northern Affairs Canada (INAC) Manager, Land Administration, Nunavut Regional Office	867-975-4280	867-975-4286
Water Field Manager, Nunavut Regional Office	867-975-4553	
Kivalliq Inuit Association – Reporting Line	867-645-2810 or 867-645-2800	
Department of Fisheries and Oceans (DFO) Nunavut Regional Office	867-979-8000	867-979-8039
Workers Safety and Compensation Commission WSCC Emergency	800-661-0792 800-661-0792	
Mine Inspector: Viktor Mubili Chief Mine Inspector Cary Ingram	867-920-3852 867-446-2977	
Health Services – Baker Lake	867-793-2816 867-793-2817	
Keewatin Air Ambulance (Medevac) 24h/7 – Rankin Inlet dispatch	867-645-4455	
Baker Lake RCMP	867-793-0123	
Baker Lake RCMP – emergency number	867-793-1111	
Cambridge Bay RCMP	867-983-1111	(non-urgent) 867-983-0123
Baker Lake SAO (Sheldon Doray)	867-793-2874	
Baker Lake Hamlet Office	867-793-2874	
Baker Lake Fire Emergency	867-793-2900	
Baker Lake Airport	867-793-2564	
Poison & Drug information service (PADIS)	800-332-1414	
Search and rescue – Arctic Armed Forces	800-267-7270	
Rescue Coordination Centre Trenton	613-965-3870	
NAVCAN (Flight Information Center North Bay)	866-541-4109	
CANUTEC (Spill Support Information)	613-996-6666	
Charter Aircraft (for Evacuation)		
Canadian North	204-677-05360 800-839-2256	
Helicopter Transport Services (HELI transport)	450-476-0018 888-505-7025	

4 MUTUAL AID ASSISTANCE

In addition, we have a mutual agreement with other mining companies in the north to assist our site in case of a major emergency.

Diavik Diamond Mines, Inc. Yellowknife, NWT

Call (867) 669-6500 Ext. 5903. Phone number is monitored by Security Control 24 Hours a day.

State that the call is a mutual aid request for the Chief Operating Officer (or Duty Manager on the weekend). Security will transfer the call to the requested Manager. They will contact the ERT Advisor to coordinate the requested mutual aid.

DDMI ERT Advisors: Richard Kretzschmar (867) 669-6500 ext. 5462

Agnico Eagle Mines Limited (Nunavut Operations) Meliadine, Rankin Inlet, NU

(819) 759-3555 ext. 460-3911

State that the call is a mutual aid request for the Mine Manager (or designate – Manager on Duty). They will transfer the telephone call to the requested Mine Manager immediately and the ERT Coordinators contacted.

Hope Bay, NU

Call: (867) 988-6882 ext. 104 General Manager

(867) 988-6882 ext. 138 Health and Safety Manager

After Hours Please Call (867) 998-6882 ext. 150 Mill Control Room Operator.

State that the call is a mutual aid request for the Mine Manager or designate and leave a return number that can be called by the Manager.

De Beers Canada – Gahcho Kué, NWT:

Call (416) 645-1695 Ext. 6699. Phone number is monitored by Protective Services 24 Hours a day.

State that the call is a mutual aid request for the Mine Manager (or Duty Manager on the weekend). Protective Services will transfer the call to the requested Manager. Protective Services will contact the Mine Manager/ERT Coordinator who will coordinate the requested mutual aid.

Company	Site	Coordinator	Phone	Email
Agnico Eagle	Meadowbank Complex	Philippe Beaudoin	819-759-3555 ext. 460-5128	philippe.beaudoin@agnicoeagle.com
Agnico Eagle	Meadowbank Complex	Cory Chisholm	819-759-3555 ext. 460-6619	cory.chisholm@agnicoeagle.com
Agnico Eagle	Meadowbank Complex	Fanny Laporte	819-759-3555 ext. 460-5148	fanny.laporte@agnicoeagle.com
Agnico Eagle	Meliadine	Dave Loder	819-759-3555 ext. 460-3113	david.loder@agnicoeagle.com
Agnico Eagle	Meliadine	Darren Wilcox	819-759-3555 ext. 460-3113	darren.wilcox@agnicoeagle.com
Agnico Eagle	Hope Bay	Jason Sanderson	819-759-3555 ext. 460-0123	jason.sanderson@agnicoeagle.com
Agnico Eagle	Hope Bay	Morgan Hjorth	819-759-3555 ext. 460-0123	morgan.hjorth@agnicoeagle.com
Arctic Canadian	Ekati	Geoff Kinder	867-880-440 ext. 2371	geoff.kinder@arcticcanadian.ca
Arctic Canadian	Ekati	Alex Morris	867-880-440 ext. 2371	Alexander.Morris@arcticcanadian.ca
De Beers	Gahcho Kue	Jakub Matecki	567-443-6131	Jakub.matecki@debeersgroup.com
De Beers	Gahcho Kue	Jon Gale	867-679-5866	Jonathan.gale@debeersgroup.com
Baffinland Iron Mine	Baffinland	Steve Janknegt	647-253-0596 ext. 4048	Steve.Janknegt@baffinland.com
Baffinland Iron Mine	Baffinland	Chris MacDonald	647-253-0596 ext. 4048	Chris.Macdonald@baffinland.com
Baffinland Iron Mine	Baffinland	Kyle Hewey	647-253-0596 ext. 4048	Kyle.Hewey@baffinland.com
Baffinland Iron Mine	Baffinland	Dean Metzler	647-253-0596 ext. 4048	Dean.Metzler@baffinland.com
Rio Tinto	Diavik	Richard Kretschmar	867-669-6500 ext. 5462	Richard.Kretzschmar@riotinto.com
Rio Tinto	Diavik	Nathan Pitre	867-669-6500 ext. 5462	Nathan.pitre@riotinto.com
B2GOLD		Glenn McGuire	604-880-0504 or 604-681-8371	Glenn.McGuire@b2gold.com
B2GOLD		Bradley Hogg		BHogg@b2gold.com

5 COMMUNICATION SYSTEMS

The primary basis for communication will be the phone system; back-up communication will be available via satellite phone. For on-site communication, hand-held radios will be mandatory for all employees working or travelling in remote areas from the main camp. Back-up power sources and replacement batteries for communications equipment will be available to provide continuous, uninterrupted operation either at fixed facilities or at emergency sites.

Key site personnel will be accessible at all times by either portable radios, radios in vehicles, or office radios. The Health Care Professional and Security personnel and IC will carry a portable local Sepura phone and will be available at all times. Senior management personnel will rotate as "On-Call Managers" for after-hour emergencies. An accommodation list that highlights key personnel will be posted and updated as required.

Lists of employees trained in first aid, mine rescue, and Emergency Response will also be posted. Employees and contractors who will be on site for extended periods will be trained initially and then retrained annually. This training will include the locations and use of emergency equipment, terminology used, and who needs to be contacted immediately in the event of an emergency.

There is a document listing all telecommunications systems supported by the Department of Information Technology during an emergency and their location. It also uses procedures for certain equipment and procedure in the case of a request for closure of all telecommunications services with the outside.

During an emergency, 2 primary radio channels will be used.

1. **Control Group/Command**: This is the Site specific ERT, or UG Channel 2. This channel is to include direct communication between the IC and Control group only.

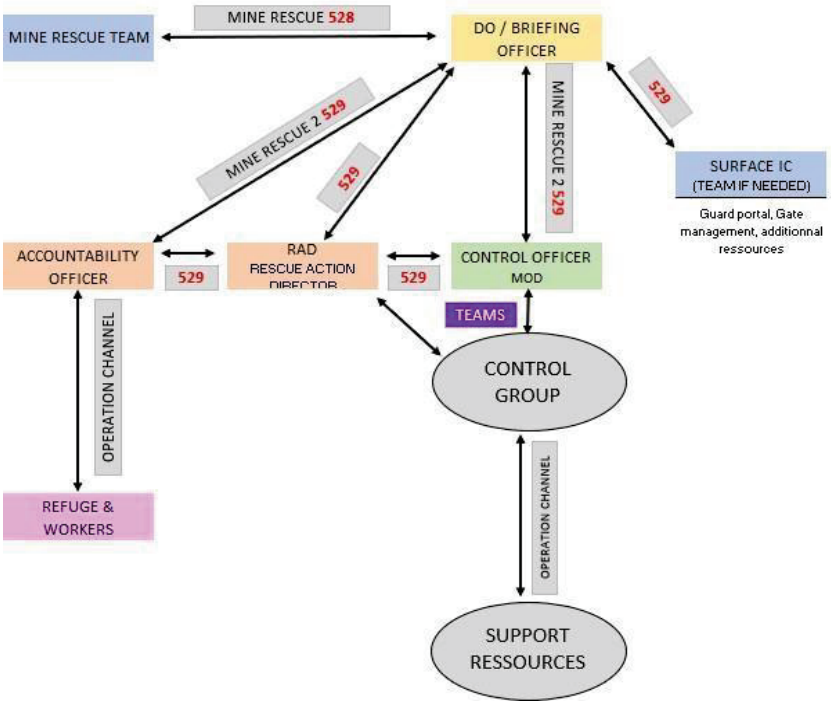
2. **Tactical**: This is the site specific ERT or UG channel 1. This channel is to provide direct communication between first responders, on-scene officers, and IC only. The control group may monitor the communication but should avoid any interference on this channel.

When additional communication channels are needed, Consultation between the IC and Control group will determine what channel will be used based on availability and other operation requirements.

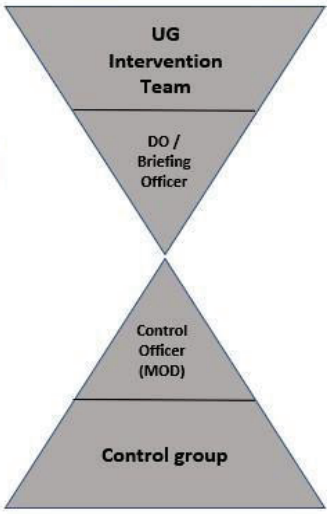
- The Meadowbank Emergency Telecom Plan can be found under APPENDIX "A"
- The Emergency Communication Flowchart can be linked at APPENDIX "J"

UG MINE RESCUE

Radio channel

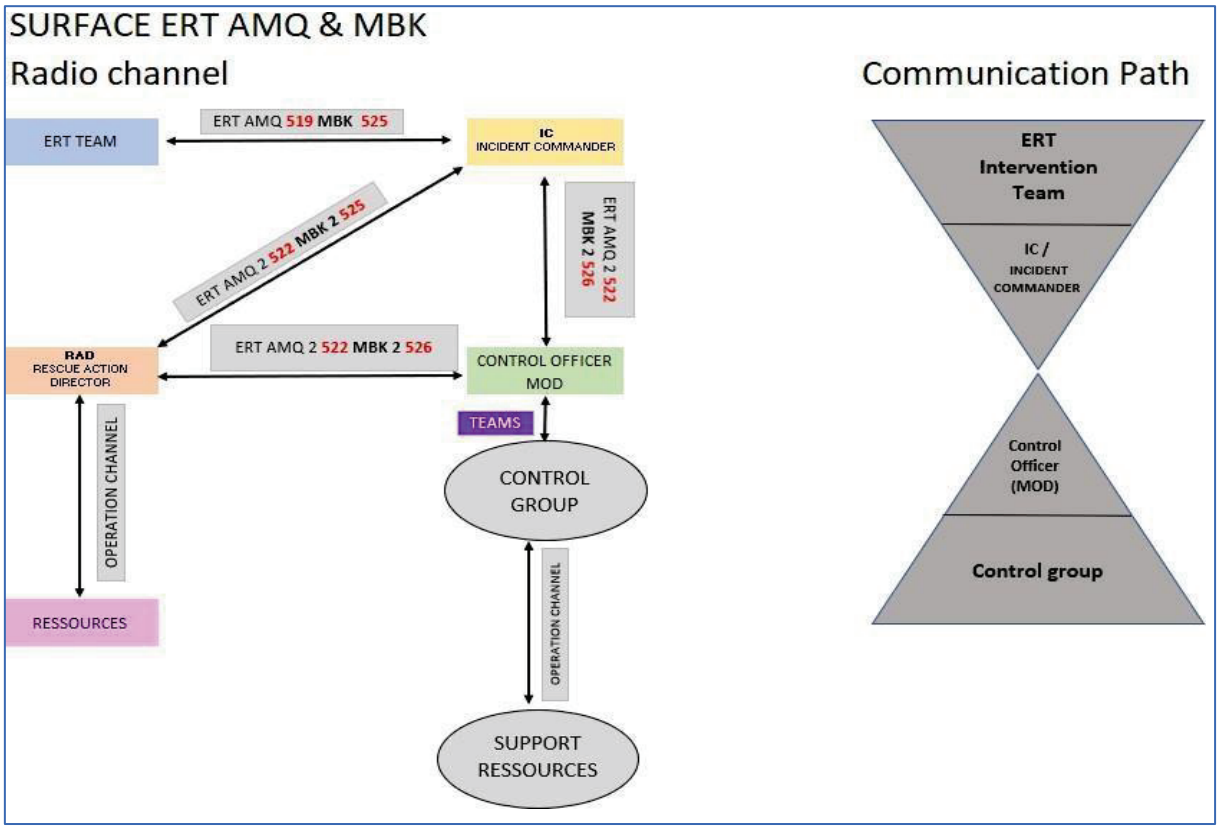


Communication Path



SURFACE ERT AMQ & MBK

Radio channel



Communication Path

6 EMERGENCY MEASURES

In the event of an emergency, the employee will have to follow the **EMERGENCY PROCEDURE**:

CODE 1 PROCEDURE

A Code 1 can be called by anyone on site as long as they have access to a phone or a two-way radio to report an accident, serious incident or fire which requires the response of the Emergency Response / Mine Rescue Teams.

The procedure steps:

- Calling **Code 1** over the phone by dialing 6911 or on the two-way radio by depressing and holding for 3 seconds the "RED BUTTON" located on top of handheld Sepura radios or on the lower left side of fixed base radios
- Saying: "**Code 1 Code 1 Code 1**", stating your full name first, and explaining the type of accident, or serious incident or fire.
- Giving any information required by the dispatcher answering your **Code 1** call.
- Upon notification of the **Code 1**, the "MINE DISPATCHER" is the only person who will communicate with the person who initiated the Code 1.
- The "Dispatcher" will contact ERT/ Mine Rescue to notify them of the **Code 1** emergency by using primarily the Nebula paging system.
- The ERT / Mine Rescue will immediately respond to the Dispatcher request by reaching their designated proper Emergency Response room.
- The Incident Commander or ERT / Mine Rescue Team Captain will evaluate the call and announce if deemed necessary the interruption of work and activities in the affected area. This will be done on the proper zone on a public announcement channel on the Sepura radio system.
- The Incident Commander or ERT / Mine Rescue Team Captain will dispatch the Emergency Response Team to the incident site, with the appropriate equipment for the situation.

Once the ***Code 1*** is called, Radio Silence on the mine operations channel must be observed until advised otherwise by the Incident Commander or ERT Team Captain.

The Incident Commander will determine the severity of the event and, if deemed necessary, will get in touch with the Manager on Duty in order to have the Emergency Response Plan activated, according to the flow charts Appendix J

COMMUNICATIONS AND CONTROL ACTIVITIES GRID

The management control group will be called According to the Emergency calls flowchart. See Appendix K

FIRE

All major buildings in Meadowbank, Amaruq and Baker Lake facilities are equipped with a fire detection and audible fire warning system. All site operating personnel receive basic training in the use of fire extinguishers. This training is tracked by the HR Superintendent.

For any situation involving fires, the first action will be to extinguish the fire if it is safe to do so and then report the incident. If the person cannot safely put out the fire, it must be reported as quickly as possible. In the event of a fire alarm, all employees not directly involved with fighting the fire will report to the designated muster location. Employees will remain in this area until assigned other duties by the ERT or until given clearance that the emergency is over.

When an alarm occurs, the Emergency Response Team will be paged by the dispatcher, the Emergency Control Group will assemble and refer to the appropriate checklist section 8.

MUSTER POINT

In the event that an evacuation is necessary, it is important that all affected personnel leave the emergency area and congregate at a pre-determined area or *Muster point* so that a head count can be requested by the control group if necessary to determine if there are any missing persons. Employees must remain at the muster point until the Incident commander of the control group gives permission to return to work.

When an evacuation occurs, the Emergency Response Team will be paged by the dispatcher, the Emergency Control Group will assemble.

MEDICAL EMERGENCIES

- Emergency is initiated in Meadowbank or Amaruq by using the Code 1 Procedure
- **Mine Dispatcher will** confirm location and incident details and activate **ERT / Medical** team:
    - For **Meadowbank**: A page call will be sent out to **medical personnel (4609222)** if required, **the ERT** team members on site.
    - For **Amaruq**: A call will be sent **to medical personnel (4605111)** what will, if required, call the **ERT team**
- Incident Commander will be mobilized to ensure that communications, transportation, and effective deployment of **ERT / Mine Rescue** resources are conducted. Depending on the gravity of the situation, it is possible that the Official In-Charge be notified immediately.
- According to the severity of the situation, the Incident Commander will advise the Acting manager or Site responsible that will decide if the Emergency Control Group will be notified and refer to the: **''Serious Injury / Mass Casualties'' Checklists**

MEDICAL EVACUATION

In the event of a patient needing a transfer to more advanced medical care, the MEDICAL **EVACUATION PLAN (MEDEVAC)** will be initiated. The medical staff will then initiate the Medical Evacuation Communication Pathway and proceed as soon as possible.

Control Click here to link to the Medical Evacuation Communication Pathway procedure

AIRPLANE EMERGENCY

Emergency Response begins as soon as an air crash is identified or reported.

- When the Meadowbank Air Traffic Controller or Meadowbank Dispatcher is notified that an approaching aircraft is having difficulty, they will immediately notify the Incident Commander and the Emergency control group.

- In the event of reported airplane emergency off-site the Meadowbank Air Traffic Controller or Meadowbank Dispatcher will notify the Incident Commander and General Manager or Designate.

- Emergency Response procedure will be initiated if required for response by ERT and as the ERP is deployed, will then be used.

''Aircraft Incident Emergency '' Response checklists

- The ERT Team on scene will make a preliminary assessment and notify the medical staff of both Medical Clinics.
- If deemed necessary, the Nurse or Medic, with the ERT Team, shall establish triage, treatment, transportation, communication, and staging as per the:

Control Click here to link to the Mass Casualty Incident Clinic Procedure

- The Incident Commander will direct all emergency response actions and assess the need for additional resources keeping the Command group updated as to all actions.

- The Incident Commander will instruct emergency response personnel to not move debris associated with the wreckage, i.e. Cargo, plane remnants, passenger belongings, unless there is imminent danger of items being destroyed, or unless they inhibit access to passenger rescue.

- The Coroner/RCMP is responsible for the identification, movement and/or removal of the fatality. Unauthorized personnel are not to move the disease without express approval of the Coroner/RCMP, except when there is a question of whether the person is deceased or if the body is in danger of being destroyed. In all cases involving the movement of a

body, personnel moving the body shall make careful note of the location and condition of the body for the Coroner/RCMP.

- Upon notification of an air disaster, NAV Canada will be responsible for air traffic in proximity to the scene, with immediate regulatory control of airspace around the area.

RECOVERY

- Recovery immediately follows emergency response. It involves direction from the General Manager or Designate.
- Maintaining access control to the scene.
- Providing emergency social services (critical stress debriefing), for employees and rescue workers.
- Investigating the accident.
- Clean-up of the crash site.

PIPELINE BREAKAGE

Pipelines will be used to transport tailings solids, reclaim water, freshwater, and domestic sewage on site. Pipeline breakage could lead to localized, short-term smothering of vegetation, the release of poor-quality water, and potentially exposure of mine personnel to infectious or toxic substances. In the event of a pipeline breakage, the following actions will be taken as required and when it is safe to do so:

- Shut off the feed to the pipeline if safe to do so;
- Call dispatcher to have Incident Commander notified of the breakage.
- A general response procedure for the handling of spilled domestic sewage (infectious substances) is provided in the Spill Contingency Plan (**Appendix L).**
- A specific response procedure for cyanide involved systems is provided in **Appendix B** of the Meadowbank Site Emergency Response Plan.

TOXIC GAS RELEASES

There is the potential for gas exposure at both Meadowbank and Amaruq. The exposure could be the result of a break in the processing system, or a task being done. The Mill has several chemicals added to the processing system that if spilled would release a gas. The emulsion plant, sewer and water treatment plants and certain underground areas have the potential to release various gases. The cause could be a broken pipe, a welding task or a tanker accident etc.. Below is a table of potential gas release substances, locations and mitigations.

Gas	Location	Mitigation
HCN, Hydrogen Cyanide	Process plant	Fixed detection - audible and strobe alarms, linked to control room
HCN, Hydrogen Cyanide	Leach tanks	Fixed detection - audible and strobe alarms, linked to control room
HCN, Hydrogen Cyanide	Assay Lab	Fixed detection - audible and strobe alarms, linked to control room
SO2, Sulfur dioxide	SO2 plant	Fixed detection - audible and strobe alarms, linked to control room
Sulfuric acid gas	Carbon stripping area	Punctual job, procedure and tube gas detector
NOX, nitrogen oxides	Dyno plant, Mixing trace area	Area is designed to avoid any contact between the 2 trace chemicals, error is very unlikely, but portable gas detectors are available
H2S, Hydrogen sulfide	Sewage treatment plant, raw sewage treatment	Area is locked, only accessible to trained personnel and gas detector are used at all times in the plant for MBK, AMQ is a different system, exhaust fan and oxygen in the process so no creation of H2S
NH3, Ammonia	Underground cement backfill area	Portable gas detector worn in those areas at all times.
NH3, Ammonia	Some area in the mills	7 fixed detectors, 3 at the Refinery, 1 mill office, 1 Knelsons floor, 1 Ball Mill discharge and 1 at 2e crusher building conveyor #16
Explosive vapor	Release from accident tanker	Emergency team will monitor with gas detectors, restrict access to the area, restrict actions ensuring to no spark is created and use SCBAs.
C2H2, Acetylene	Welding are / leak release	No gas detection, Leak verification process, report if equipment damage and evacuation, ventilation
Cl, Chlorine	Potable water treatment plant	Locked at all time, access restricted to WTP operator, liquid chlorine 12%, very minimum chance of release

In the event of a toxic gas release, the following actions will be taken:

- Immediately evacuate the area/building and call the MBK Emergency Dispatcher in order to have Incident Commander notified of the release.
- If possible and safety permits, turn off the source of the gas and ventilate (i.e., open windows/doors to outdoors) the area;
- Isolate the area and restrict access to ERT / Mine Rescue personnel only; and
- Evacuation of the process plant will be done accordingly to:

  Control + click here to link to MBK-MIL-OP-0058 General Emergency Evacuation

- A general response procedure for the release of toxic gases is provided in the Spill Contingency Plan.
- Any further actions will be undertaken according to the

Chemical Spill Response Emergencies Checklists

PRESSURE VESSEL EMERGENCIES

In the event of a pressure vessel emergency, the first goal is the preservation of life. Efforts to save property and restore operations should be made only after all personnel are safe and accounted for.

After the emergency response plan has been put into effect, all persons must remain at their designated posts until the emergency is over, or, in the case of a prolonged event, until another person has relieved them. In the event of an evacuation, all personnel must immediately follow instructions given to them by responsible personnel.

Radio silence is required for all those who are not directly involved in the emergency and rescue operations.

There are four possible scenarios during a pressure vessel or fuel tank emergency.

- Fire or Explosion
- Spill or leak
- Rupture
- Upset

In case of an emergency involving a pressurized vessel, refer to:

Pressure Vessel Emergencies Checklists

DIKE FAILURE

In the event of a dike failure, the following actions will be taken:

- Immediately evacuate the area and pit where failure could affect and notify the Incident Commander.
- Isolate the area and restrict access to ERT personnel only.
- Use any material, heavy equipment and tools to make temporary or permanent repairs.

All work to be conducted under RAD supervision.

A detailed Emergency Preparedness Plan (EPP) was developed to address the consequences of failure of any of the dikes on site. The procedure was developed by the Geotechnical Engineering team with the assistance of the dike designer and under the review of the EMC and the Safety Superintendent.

The EPP for the dewatering dikes and Tailings Storage Facility are available in the Operation, Maintenance and Surveillance Manual (OMS manual) for the Tailing Storage Facilities and the Dewatering Dikes. Background information and potential failure scenarios of the dewatering dikes and Tailings Storage Facility are provided in Appendix M.

If the failure involves Tailings installations, refer to Appendix M

EMULSION PLANT

- A detailed Emergency Response Plan (ERP) was prepared by Dyno Nobel and addresses incidents and potential incidents involving the manufacturing, handling and storage of explosives and related products in Dyno Nobel Canada Inc.'' magazines, emulsion plants and worksites at Meadowbank''.
- *The ERP for Dyno Nobel Emulsion plant is provided in Appendix C of the MBK ERP*

BAKER LAKE MARSHALLING FACILITY

The Baker Lake Marshaling facilities is located 2 Km., east of the Hamlet of Baker Lake and is used for the interim storage of supplies, including hazardous materials, prior to being transported to the mine site. The fuel farm at the Facility is used for bulk storage of:

- 60,000,000 liters of fuel
- 1,900,000 liters of Jet ''A'' fuel.

Spill emergencies occurring at the Marshaling Facility will be handled according to the:

Spill Contingency Plan - Refer to Appendix L.

Or according to the **Chemical Spill Response Emergencies Checklists**

In case of any major disaster, that **is not involving chemical products**, the primary Emergency procedures will fall under the Hamlet of Baker Lake authorities' responsibility. By-Law no 212 (Baker Lake Emergency Response Plan) has already been adopted by local authorities.

SEA VESSEL (SHIP OR BARGE) CONTINGENCY PLAN

At any time, emergency situations can occur and without warning aboard vessels dock siding in Baker Lake. Crew members might require mutual assistance from Emergency Response crews in Baker Lake or Meadowbank.

Refer to **Appendix ''G'' or the MBK ERP** for procedures to be followed in order to respond effectively.

EMERGENCIES DEALING WITH REAGENTS

At Meadowbank mine site, mostly used in the process plant, we carry the following reagents:

- Cyanide (Sodium Cyanide)
- Copper Sulphite
- Lime (Calcium Oxide) (Quick Lime)
- Sodium Metabisulphite
- Caustic Soda (Sodium Hydroxide)
- Sulphur (Prill form)
- Nitric Acid
- Calcium Chloride (Dust Suppression)
- Flocculants
- Lead Nitrate
- Milsperse (Antiscalant)

At Amaruq mine site, no special reagents are used or stored in big quantity.

In the event of a chemical spill incident, the first goal is the preservation of life. Efforts to save property and restore operations should be made only after all personnel are safe and accounted for. Every chemical spill Emergency situation will be taken in charge according to the:

Chemical Spill Response Emergencies checklists

More information can also be found in the **Appendix ''B''** of this plan about some of the chemical reagents in use at Meadowbank.

- *The section 7 Emergency Response checklists should be used*

  - Incident site must be kept barricaded off and guarded and undisturbed except for the purpose of preventing injury or relieve suffering, until appropriate personnel (RCMP), (Coroner), (Mines Inspector) have conducted their investigations and have released the scene.
  - Only the coroner or the medical director is eligible to declare that a person is officially deceased. Medical personnel at MBK should be the first to be put in contact with medical authorities for this purpose.
  - At all-time RCMP shall be notified of a fatality on site and all facilities should be supplied to their representatives in order to assist them for required investigation.
  - RCMP is the only communication channel that will be issued toward victim's relatives. They will make all arrangements in order to make sure that the relatives are aware of the situation.
  - All communications going out from MBK or AMQ will be under the Acting Manager's control as long as needed in order to avoid misunderstandings or confusion for every concerned.
  - If involving chemical, biological, radiological or nuclear agent, consult with the

Incident Commander regarding the agent dispersed, dissemination method, level of PPE required, location, geographic complications (if any), and the number of person(s) involved.

- Ensure that all person(s) involved have the proper level of PPE protection, training and knowledge to deal with the situation.
- Notification of a work related fatality (or ‘’reportable incident’’) shall be made to WSCC according to Mine Act and Regs. 16:02

RECOVERY AND ON-SITE MORGUE

- Gather all necessary information and document all findings.
- Wear PPE until all bodies(s) are deemed free of contamination if necessary.
- Establish a preliminary (holding) morgue. The remaining’s should be kept at cool temperature and away from freezing.
- There is no temporary morgue in Amaruq so the MBK’s installation will be used.
- Depending on the situation, it might be possible that RCMP or Coroner will require the remaining’s to be sent to their facilities for extensive investigation.
- Gather all necessary information and document all findings.
- According to the situation the site manager will take all actions in order to respectfully evacuate the remaining to the required destination.
- If you suspect contamination, see the Decontamination section for decontamination procedures.
- If needed, decontaminate affected bodies before they are removed from the incident site.

MISSING PERSON

As soon as a worker is missing from his regular work (at beginning of shift or during the day) the supervisor will ensure.

- the worker’s room, workplace,
- public areas have been searched,
- in addition to checking with the Medical Clinic personnel.

After this primary search, if the worker is still missing, the Meadowbank or Amaruq Security Officer (SO) or Incident Commander or Front desk attendant or medical staff must be advised.

The procedure: **MBK-HSS-EMR-PRO Missing person** will be initiated

- If the worker/visitor is still missing, then the Emergency Response Plan will be put in place and managed.

MASS CASUALTY EMERGENCIES

By definition a Mass Casualty Incident (MCI) is any incident in which Emergency Service Resources, such as personnel and equipment, are overwhelmed by the Number and Severity of Casualties.

In the make-up of our MCI Plan there are Two (2) sections. Both sections are generally working simultaneously. These sections are giving more details and can be found through the

MBK-HSH-CLI-OP-Mass Casualty Incident Clinic Procedure.

Control +Click here to link to the document

In instance, the Emergency Response Plan will be deployed and the Serious Injury Checklists *will* apply.

7 EMERGENCY RESPONSE CHECKLISTS

Emergency Response Checklists

In the event of an emergency, the first goal is the preservation of life. Efforts to save property and restore operations should be made only after all personnel are safe and accounted for.

After the emergency response plan has been put into effect, all persons must remain at their designated posts until the emergency is over, or, in the case of a prolonged event, until another person has relieved them. In the event of an evacuation, all personnel must immediately follow instructions given to them by responsible personnel.

Radio silence is required for all those who are not directly involved in the emergency and rescue operations.

Emergency Control Room

The Emergency Control Room for the Control Group in **Meadowbank** is located in the Service building boardroom on 3rd floor. If access to that location is not possible, use a secondary Emergency Control Room is located in the air control building by the tarmac.

The Emergency Control Room in **Amaruq** is located in the Main Camp Conference room. If access to that location is not possible, use a secondary Emergency Control Room is located in the maintenance shop lunchroom across the parking lot from the main camp.

Emergency Response Team (ERT)

The Emergency Response Team serves as the front-line response team during any surface emergency, such as fires, critical injuries, chemical spills, etc.

Incident Commander

The Incident Commander initially coordinates the activities of the Emergency Response Team from the Emergency Response room or the scene, as required.

Assembly Points

If an evacuation is necessary, all affected personnel must leave the emergency area and congregate at a predetermined area or assembly point.

If you hear an alarm, **immediately** exit the building safely and proceed to one of the following areas, depending on the location of the emergency.

Employees who left the building before the alarm sounded are still required to proceed to the designated assembly point.

Employees must remain at the assembly point until the information is communicated to them by the Control officer, the Incident Commander or a delegate gives permission to return to work, or until they are asked to help with emergency operations or otherwise contacted by authorized personnel. Obey all instructions given by the Incident Commander.

CONTROL OFFICER CHECKLIST

The Mine General Manager or designate assumes the role of Control Officer.

The Control Officer works with the Emergency Control Group to determine a plan of action to minimize endangerment to life and facilities.

Using the Control Group as a resource team, and the known facts from the IC on scene as well as his recommendations. The Control Officer makes the final decisions concerning rescue and recovery operations.

Responsibilities include:

- ☐ Ensure that the Control Group has been contacted if the situation dictates.
- ☐ Ensure that emergency response personnel have been contacted.
- ☐ Ensure that the Information Technology personnel put in place all communication controls systems (Phones restricted) as described in *MBK-IT-EMR-PLN Emergency Telecom Plan at Meadowbank.*
- ☐ Contact Dispatcher to verify that the pager announcement has been made twice.
- ☐ Record the times of the initial call: _____
- ☐ Appoint a Rescue Action Director to coordinate and direct the response activities. (The person with the best knowledge of the occurring emergency). **Name:** _____
- ☐ Appoint a Log Recorder to record all telephone calls, instructions given, times, and sequence of events**. Name:** _____
- ☐ Designate a Communications Officer. **Name:** _____
- ☐ Ensure that the Control Group has adequate resources
- ☐ Contact AEM Corporate office if the severity of the emergency dictates or delegate to another member of the control group

Determine Whether the Incident Is a Crisis

If the incident meets the definition of a crisis, as defined in the **Meadowbank Crisis Management Plan (CMP)**, the Control Officer must:

- ☐ Notify Corporate Emergency Response Group, in accordance with the Crisis Management Plan of the event.
- ☐ Determine the level of crisis with CMP for following actions

Assist to write a media release.

- ☐ Be prepared to authorize the expenditure of resources and monetary funds necessary for the preservation of personnel and property.
- ☐ In the event of serious injury or loss of life, be prepared to notify families and neighboring communities and possibly the regional police or coroner.
- ☐ Coordinate an orderly return to normal operating conditions.
- ☐ Arrange for a debriefing session.
- ☐ Request assistance from Employee Assistance Program (EAP) professionals to counsel personnel and families affected by a major incident.

RESCUE ACTION DIRECTOR CHECKLIST

The Control Officer appoints the Rescue Action Director. Ideally, the RAD is a member of the Control Group who is responsible for the area in which the emergency occurred. Alternatively, a coordinator or team leader from the affected area could perform this role. For example, for a Process Plant emergency, the Process Plant Superintendent or designate would be appointed Rescue Action Director.

The Rescue Action Director works with the Incident Commander to coordinate the activities of the Emergency Response Team.

Responsibilities include:

Develop recommendations for rescue and recovery operations by obtaining the following information:

☐ Obtain details of the emergency from Dispatcher or the Control Group.
- ☐ Location of emergency:
- ☐ Nature of emergency:
- ☐ Number and location of persons accounted for:
- ☐ Any persons missing?
- ☐ If it is a fire, is it out, or still burning?

*A complete Fact gathering sheet is in the ERP Communication officer check list section As per section 1.7 of the CMP (Crisis management Plan)

If the Emergency is a specific in nature to the list below, select the proper Emergency Response gathering information Checklist

- ☐ Mass Casualties checklist
- ☐ Chemical-Spill Emergency Response Checklist
- ☐ Aircraft Incident Emergency Response Checklist
- ☐ Pressure Vessel Emergency Response Checklist
- ☐ Water Tailing Emergency Response Checklist
- ☐ UG emergency

*Note for UG emergency all roles have their specific check list located after all regular role check list.

Assessing the results: KEY POINTS:

- ☐ Ensure that the department heads are available nearby to provide all resources, equipment and manpower needed for the intervention plan
- ☐ Non-essential employees remain outside of the Emergency Control Room until their assistance is required.
- ☐ Ensure that emergency response personnel have all the resources they need to respond to the emergency. (including personal needs such as heated shelter, food, drinks)
- ☐ Ensure that a vehicle has been set aside for the Emergency Response Team and is ready on standby at the Emergency Response Room.
- ☐ Give instructions to emergency personnel as required.
- ☐ Monitor and check on conditions in the affected area and assess the results of the action taken.
- ☐ After the rescue is complete, ensure that the incident scene has been secured so that the investigation can begin.

MASS CASUALTY CHECKLIST

- ☐ Location of emergency: _____
- ☐ Nature of emergency: _____
- ☐ Confirm that there is a designated Incident Commander.

Ensure that the external phone system has been restricted.

- ☐ Designate someone to monitor incoming telephone calls at the external phone system. Name: _____
- ☐ Instruct the person who is monitoring incoming telephone calls to remain at their post and to give priority to calls from the affected area and senior officials.
- ☐ How many personnel injured? _____
  - ☐ What is their condition? _____
  - ☐ What is their location? _____
- ☐ Are all people accounted for? _____
  - ☐ How many are missing? _____
  - ☐ What was their last known location? _____
- ☐ Does the incident involve a chemical spill? (Refer to Spill Response Checklist if needed.) _____

  _____
- ☐ Does electrical power need to be isolated? _____
- ☐ Is it a remote off-site injury? _____
  - ☐ What is the location? _____
  - ☐ How many uninjured personnel are there at the location? _____
  - ☐ Has contact been made? _____
  - ☐ What is the form of contact? (Radio, satellite phone, etc.) _____
  - ☐ What is the access to the area? _____
  - ☐ What is the required mode of transport? _____

Have outside agencies been notified if required for assistance? __

- ☐ Is it a fall from heights or entanglement injury? _____
  - ☐ What is the location? _____
  - ☐ What access is available to the scene of the accident? _____
  - ☐ What is the position of the suspended casualty? _____
  - ☐ What specialized rescue equipment might be required? _____
- ☐ Does the incident involve a pinned casualty? _____
  - ☐ What is the location of the incident? _____
  - ☐ How many personnel are pinned? _____
  - ☐ What is the point of contact to the body? _____
    - ☐ What is causing the confinement? _____
    - ☐ Is all equipment stabilized? _____
    - ☐ Is the <medical staff> required to attend the scene? _____
  - ☐ Does the incident involve a confined space? _____
    - ☐ What is the location? _____
    - ☐ Is there an adequate air supply within the confined space? _____
    - ☐ What gases or other hazardous materials might be present? _____
    - ☐ What breathing equipment were the casualties wearing? _____
    - ☐ Has a confined space permit been completed for the rescue? _____
    - ☐ Are all lockouts and isolations in place? _____

- ☐ Does the incident involve electrocution? _____
  - ☐ Location of the incident: _____
  - ☐ Has the power been isolated? _____
  - ☐ What are the affected installations? _____
  - ☐ Is there an associated fire? _____
  - ☐ Are chemicals involved? (Refer to Spill Response Checklist if needed) _____
  - ☐ Is the area barricaded? _____
- ☐ Ask the Incident Commander to report any developments at the scene.
- ☐ If any electricity is involved, does power need to be isolated? Discuss with the Electrical Team
- ☐ Supervisor to ensure that no-one is placed at greater risk.
- ☐ Contact the Communications Officer to verify that external calls have been made.
- ☐ Establish contact with the ERT to obtain updated information.

CHEMICAL SPILL EMERGENCY RESPONSE CHECKLIST

☐ Location of emergency: _____

☐ Nature of emergency: _____

☐ Confirm that there is a designated Log Recorder. _____

☐ Confirm that there is a designated Incident Commander. _____

☐ Tell the Emergency Response Team who the Control Group has appointed as Incident Commander.

☐ Ensure that the external phone system has been restricted, if so directed by the Control Officer.

☐ Name: _____

☐ Instruct the person who is monitoring incoming telephone calls to remain at their post and to give priority to calls from the affected area and senior officials.

☐ Are any personnel injured? _____

- ☐ How many? _____
- ☐ What is their condition? _____
- ☐ What is their location? _____

☐ Are all people accounted for? _____

- ☐ How many are missing? _____
- ☐ What was their last known location? _____

☐ Has the chemical been identified? _____

- ☐ What is the chemical? _____
- ☐ Have the relevant MSDSs been reviewed? _____

☐ Has the spill been contained? _____

☐ Have all personnel been moved from the area that may be affected by the spill?

_____

☐ Does electrical power in the area need to be isolated? _____

☐ Has the spill area been barricaded off? _____

Has the area been evacuated? ____

- ☐ Do sentries need to be posted? _____
- ☐ Has the environment been affected? _____
- ☐ What is the wind direction? _____
- ☐ Are there off-gassing considerations? _____
- ☐ Are there downwind work areas, facilities, or communities? _____
- ☐ Is it a diesel, gasoline, or aviation fuel spill? _____
  - ☐ Location of spill? _____
  - ☐ What is the volume of the spill? _____
  - ☐ Is the spill near a low-lying area? _____
  - ☐ Is drainage available nearby? _____
  - ☐ Is the spill located near any other infrastructure? _____
  - ☐ Is there any fire? _____
- ☐ Is it a tanker? _____
- ☐ What is the fuel? _____
- ☐ What is its location (off site or on site)? _____
- ☐ Is it close to water? _____
- ☐ What is the volume? _____
- ☐ Is there any fire? _____
- ☐ Have all appropriate external agencies been notified? _____
- ☐ Is it from an oil storage area? _____
  - ☐ Location of spill? _____
  - ☐ What is the volume? _____
  - ☐ Is the spill near a low-lying area? _____

Is drainage available nearby? _____

- ☐ Are other hazardous materials stored in the area? _____

☐ Is there a fire? _____

☐ Has the Sustainability Department been notified? _____

☐ Ask the Incident Commander to report any developments at the scene.

☐ If any electricity is involved, does power need to be isolated? Discuss with the Electrical Team Leader to ensure that no-one is placed at greater risk.

☐ Contact the Communications Officer to verify that external calls have been made.

AIRCRAFT INCIDENT EMERGENCY RESPONSE CHECKLIST

Location of emergency: _____

Nature of emergency: _____

- ☐ Confirm that there is a designated Log Recorder:
- ☐ Confirm that there is a designated Incident Commander.
- ☐ Ensure that the external phone system has been restricted, if so directed by the Control Officer.
- ☐ Designate someone to monitor incoming telephone calls at the external phone system. Name of Designate: _____
- ☐ Instruct the person who is monitoring incoming telephone calls to remain at their post and to give priority to calls from the affected area and senior officials.
- ☐ Are there any personnel injured? _____
  - ☐ How many? _____
  - ☐ What is their condition? _____
  - ☐ What is their location? _____
- ☐ Are all people accounted for? _____
  - ☐ How many people were on the manifest? _____
  - ☐ How many are unaccounted for? _____
- ☐ Where is the aircraft? _____
  - ☐ What type of aircraft is it? _____
  - ☐ What is its call sign? _____
  - ☐ How much fuel did it have on board? _____
- ☐ Has it landed elsewhere? _____
  - ☐ Where? _____
  - ☐ If it landed at another location, has contact been made with the aircraft? _____
  - ☐ If so, what is its status? _____
- ☐ Is it missing? _____
  - ☐ What was its last known location? _____
  - ☐ How long is it overdue? _____
  - ☐ At what time would it be estimated to be out of fuel? _____
- ☐ Has it crashed? _____
  - ☐ Is the location known? _____
  - ☐ Is the status at the crash scene known? _____
  - ☐ Are there casualties? _____
  - ☐ Is there any fire? _____
  - ☐ If crash location is unknown, what was its last known location? _____

Is it going to make an emergency landing? _

- ☐ Has communication been established with the air crew? _____
- ☐ Where will it land? _____
- ☐ What is the expected time of arrival? _____
- ☐ Will the ERT be in attendance by the estimated landing time? _____
- ☐ What additional equipment is required? _____
- ☐ Does the area around the airstrip need to be evacuated before the emergency landing? ____

☐ Has the Sustainability Department been notified? _____

☐ Ask the Incident Commander to report any developments at the scene.

☐ Contact the Communications Officer to verify that external calls have been made.

☐ Has contact been made with all the required external agencies?

PRESSURE VESSEL EMERGENCY RESPONSE CHECKLIST

Overview

There are four possible scenarios during a pressure vessel or fuel tank emergency. These are described below.

Fire or Explosion

If a pressure vessel is on fire, or if there is a fire near it, DO NOT approach. It might explode. From a safe area, call 6911 by phone or Code 1 by radio. The Dispatcher will notify the Control Officer, Control Group, and ERT. Keep away from the pressure vessel, preferably downwind of it.

Spill or Leak

Assess the situation by determining where the spill or leak is originating. If it is safe to do so, and you are wearing the proper personal protective equipment (that is, self-contained breathing apparatus, thermal clothing), approach the pressure vessel and isolate the leak. After the leak has been isolated, notify your supervisor. The supervisor will isolate the area, make any necessary repairs, and arrange a cleanup, if required.

Rupture

If there is a rupture in the pressure vessel, STAY CLEAR. It might become airborne. From a safe area, call 6911 by phone or Code 1 by radio. The Dispatcher will notify the Control Officer, Control Group, and ERT. Stay away from the pressure vessel, especially the ends.

Upset

If you notice that a pressure vessel is turned over or upset: If it is safe to do so, shut off the valve that controls the flow of propane or fuel. From a safe area, call 6911 by phone or Code 1 by radio. The Dispatcher will notify the Control Officer, Control Group, and ERT.

Checklist

- ☐ Location of emergency? _____
- ☐ Nature of emergency? _____
- ☐ Confirm that there is a designated Incident Commander.
- ☐ Tell the Emergency Response Team who the Control Group has appointed as Incident Commander.
- ☐ Ensure that the external phone system has been restricted, if so, directed by the Control Officer.
- ☐ Designate someone to monitor incoming telephone calls at the external phone system. Name? _____
- ☐ Instruct the person who is monitoring incoming telephone calls to remain at their post and to give priority to calls from the affected area and senior officials.
- ☐ Are any personnel injured? _____
  - ☐ How many? _____
  - ☐ What is their condition? _____
  - ☐ What is their location? _____
- ☐ Are all people accounted for? _____
  - ☐ How many are missing? _____
  - ☐ What was their last known location? _____
- ☐ Has the pressure vessel caught fire or exploded? _____
  - ☐ Where is it located? _____
  - ☐ What is inside it? _____
  - ☐ What is the volume? _____
  - ☐ Has the area been evacuated? _____
  - ☐ Have barricades been set up? _____
  - ☐ What is the wind direction? _____
  - ☐ Do any downwind personnel need to be moved? _____
- ☐ Has there been a rupture, spill, or leak from the vessel? _____
  - ☐ Where is the pressure vessel located? _____
  - ☐ What is inside it? _____
  - ☐ What is the volume? _____
  - ☐ Has the area been evacuated? _____
  - ☐ What is the wind direction? _____
  - ☐ Do downwind personnel need to be moved? _____
  - ☐ Have barricades been set up? _____
  - ☐ Can the leak be isolated? _____
- ☐ Has the leak been contained? _____

Has the vessel fallen over? _

- ☐ Where is it located? _____
- ☐ Is it leaking? _____
- ☐ Is it in a stable position? _____
- ☐ Does it show any signs of damage to the integrity of the vessel? _____

☐ Have barricades been set up? _____

☐ Have the relevant MSDSs been reviewed? _____

☐ Has the environmental regulatory agency been notified? _____

☐ Ask the Incident Commander to report any developments at the scene.

☐ If any electricity is involved, does power need to be turned off? Discuss with the Electrical Team Leader to ensure that no-one is placed at greater risk.

☐ Contact the Communications Officer to verify that external calls have been made.

WATER TAILING EMERGENCY RESPONSE CHECKLIST

Location of emergency? _____

Nature of emergency? _____

- ☐ Confirm that there is a designated Incident Commander.
- ☐ Tell the Control Group who has appointed as Incident Commander.
- ☐ Ensure that the external phone system has been restricted (if needed), if so directed by the Control Officer.
- ☐ Designate someone to monitor incoming telephone calls at the external phone system. Name? _____
- ☐ Instruct the person who is monitoring incoming telephone calls to remain at their post and to give priority to calls from the affected area and senior officials.
- ☐ Are any personnel injured? _____
  - ☐ How many? _____
  - ☐ What is their condition? _____
  - ☐ What is their location? _____
- ☐ Are all people accounted for? _____
  - ☐ How many are missing? _____
  - ☐ What was their last known location? _____
  - ☐ Has the area been evacuated? _____
  - ☐ Does the electrical power need to be turned off? _____
  - ☐ Has the area been barricaded? _____
  - ☐ Are all required resources available (for example, water)? _____
- ☐ Is it missing personnel? _____
  - ☐ Number and identity of personnel has been collected: _____
  - ☐ Time overdue? _____
  - ☐ What was their last known whereabouts? _____
  - ☐ What was their last known route or destination? _____
  - ☐ Last contact? _____
  - ☐ Their intended ETA at destination? _____
  - ☐ Their mode of transport? _____
  - ☐ Clothing and provisions they carry: _____
  - ☐ Forms of communication they carry: _____
- ☐ Is it a chemical leak? _____
  - ☐ Type of chemical? _____
  - ☐ Volume? _____
  - ☐ Is it contained?

Has the area been barricaded? ____

- ☐ Has the MSDS been reviewed? _____
- ☐ Has the WSCC been notified? _____
- ☐ Is it a major criminal act? _____
  - ☐ Have the police been notified? _____
  - ☐ Has all evidence been preserved? _____
- ☐ Is it a road washout? _____
  - ☐ Have all transportation organizations been notified? _____
  - ☐ The exact location of the washout? _____
  - ☐ The extent of the washout? _____
  - ☐ The weather forecast? _____
- ☐ Is it freshwater contamination? _____
  - ☐ Has the supply been isolated? _____
  - ☐ Has a message been sent to the entire site, telling them not to drink the water? _____
  - ☐ What is the availability and quantity of bottled water in stock? _____
- ☐ Is the incident a threat to the local environment? _____
  - ☐ Has the Sustainability (Environment) Officer been notified to take appropriate action? _____
  - ☐ Ask the Incident Commander to report any developments at the scene.
  - ☐ If any electricity is involved, does power need to be isolated? Discuss with the Electrical Team Leader to ensure that no-one is placed at greater risk.
  - ☐ Ensure that the Communications Officer has made all external calls.

LOG RECORDER CHECKLIST

The Log Recorder is appointed by the Control Officer to record all events in chronological order from the start to the termination of the incident.

Make sure your writing is legible. Many people will read the log.

You can use the sample Log sheet in the Emergency Response Plan. Responsibilities include

Record the following:

- ☐ The date and time the incident was reported, who reported it, and the message.
- ☐ All subsequent developments as they occur, including times, names, and locations.
- ☐ Attendances and the arrival and departure of senior officials and visitors.
- ☐ All conferences held, and all decisions made.
- ☐ All incoming and outgoing calls, including their times and to whom the calls were made.
- ☐ Instructions given to officials during the rescue operation and other activities.
- ☐ Any other items you are instructed to record.
- ☐ Ensure that the Control Officer reads and initials each page of the log.
- ☐ After the emergency is over, ensure that the log is sent for typing and the original is filed with the Health & Safety Department.

INCIDENT COMMANDER CHECKLIST

The Incident Commander works under the direction of the Control Group.

The Incident Commander directs the response personnel in response and recovery operations.

Responsibilities include:

Obtain details of the emergency from Dispatcher or the Control Group.

Location of emergency: _____

Nature of emergency: _____

- ☐ Are there any persons missing? _____
- ☐ If it is a fire, is it out, or still burning? _____
  - ☐ If it is an electrical fire, has power been isolated? _____
- ☐ Contact the Control Group and establish communications if this has not already been done.
- ☐ Ensure that firefighting and rescue personnel have obtained all equipment as required.
- ☐ Dispatch available ERT personnel to the incident scene as required.
- ☐ Maintain contact with the ERT using either the radio or phone system.
- ☐ Direct response personnel as required.
- ☐ Ensure that the incident scene has been secured at the completion of the rescue so that the investigation can begin.

Link to MBK-HSH-EMR-FRM-UG Mine Rescue Briefing Officer Mission Preparation

SAFETY DEPARTMENT CHECKLIST

The Safety Department's role in an emergency is to ensure that the evacuation procedure is activated if required, and that a trained rescue team, technicians, and all special equipment are quickly and continuously available.

One person from the Safety Department should remain in or near the Control Room at all times.

Responsibilities include:

Verify through the Control Group that.

- ☐ Has Security been notified? _____
- ☐ Has affected area been evacuated? _____
- ☐ All onsite personnel have been contacted: _____
- ☐ Enough response personnel are available to make up a full team and a backup team
- ☐ The safety of the site personnel and responders is considered in the response
- ☐ Ensure that teams are outfitted with the appropriate personal protective equipment (PPE).
- ☐ Take pictures of the area during and after the emergency or request pictures from the personnel on scene.
- ☐ Ensure that the incident scene has been secured at the completion of the rescue so that the investigation can begin.
- ☐ Maintain a log of all actions taken.

SERVICE COORDINATOR E&I CHECKLIST

The Service Coordinator, as a member of the Control Group, works under the direction of the Rescue Action Director and the Control Officer.

Responsibilities include:

E&I Maintenance

☐ Ensure to have a laptop in emergency room for Wonderware access for conditions of equipment

☐ Call all supervisors to inform them to gather workers

- Amaruq Electrical Supervisor Sepura 4605290 – Office 4606488
- Amaruq Surface Supervisor Sepura 4605179 – Office 4606731
- Meadowbank Supervisor Sepura 4609328 – Office 4606718

☐ Ensure that all personnel have been contacted & standby ready to intervene upon any request (Ex. Close valves, open breakers/cut power, chase tower lights, programmer ready to change start/stop equipment with HMI, etc.)

☐ Advise powerplant operator (4606872, Sepura: 4609536) to be ready to open main breakers if required.

E&I Operations

☐ Call all supervisors to inform them to gather workers

- Amaruq Field Supervisor Sepura #4605272 – Office 4606975
- Meadowbank Field Supervisor Sepura #4605223 – Office 4606902
- Road Supervisor Sepura – Office 4606712
  - Eric Gagnon #4609118
  - Alain Hince #4605196
  - Eric Boily #4609902
  - Joel Girard #4609239

☐ Ensure the availability of transportation, communications, equipment, heated shelter or bus, etc. as required by emergency response personnel.

☐ Validate roads and airstrip condition/status, Equipment availability to verify

- Equipment's but not limited to: Water truck (fire) – Fuel truck (support) – Snowblowers (convoy) – Loaders (convoy) – Graders (convoy) – Dozers

(access) – Cranes (person crushed) – busses (evacuation-genset failure) – Rescue Trailer (tanker spill) – Tower Light

- ☐ Ensure that an adequate number of personnel have been contacted to operate any equipment that is required, such as buses, loaders, personnel carriers, graders, or cranes.
- ☐ Verify with other department (Mine – LHT) for support if needed
- ☐ Return services to operating mode after the emergency, upon approval by the Control Officer.
- ☐ Maintain a log of all actions taken.

E&I camp/kitchen

- ☐ Call all supervisors to inform them to be on standby
  - Amaruq kitchen supervisor Office 4606733/4606710
  - Amaruq camp supervisor Office 4606770
  - Meadowbank camp supervisor Office 4606829
  - Meadowbank kitchen supervisor Office 4606805/4606799

- ☐ Ensure the sea can with mattress location is known

- ☐ Have kitchen standby ready to prepare some

ELECTRICAL TEAM LEADER E&I CHECKLIST

The Electrical Team Leader works under the direction of the Control

Group. Responsibilities include:

- ☐ Be prepared to isolate electrical services as required.
- ☐ (UG) Ensure that the stench gas system worked adequately and had been released
- ☐ Ensure that the emergency generators are functional.
- ☐ Ensure that appropriate lockout protocols are completed.
- ☐ Ensure that an adequate number of electricians and instrumentation technicians have been notified.
- ☐ Ensure that a representative from Instrumentation is in attendance and is reporting to the Electrical Team Leader.
- ☐ Return electrical services to operating mode after the emergency, upon approval by the Control Officer.
- ☐ Maintain a log of all actions taken.

MECHANICAL TEAM LEADER MAINTENANCE CHECKLIST

The Mechanical Team Leader works under the direction of the Control

Group. Responsibilities include:

- ☐ Be prepared to provide any necessary personnel for specific equipment to be de-energized, moved, operated, or repaired
- ☐ Ensure that backup vehicles, pumps, etc., as directed by the Control Group, have been serviced and are filled with fuel, ready to go.
- ☐ Be prepared to provide any necessary tools, supplies, or assistance as required.
- ☐ Maintain a log of all actions taken.

SUSTAINABILITY OFFICER ENVIRONMENT CHECKLIST

The Sustainability Officer works under the direction of the Control Officer.

Responsibilities include:

- ☐ Ensure that all your department personnel are accounted for.
- ☐ Determine potential environmental impacts of the incident.
- ☐ Identify potential releases to the environment, and the amounts.
- ☐ Identify product
- ☐ Review relevant SDS information. If need, call Canutec or external expert on chemical
- ☐ If a reportable incident occurs, ensure that the WSCC or any other competent authority is notified.
- ☐ Ensure that the Control Group is aware of the most appropriate way to handle the incident from an environmental perspective.
- ☐ Monitor environmental aspects of the incident and the subsequent emergency response.
- ☐ Ensure that appropriate statutory reports and notifications are completed.
- ☐ Monitor any restitution work at the completion of the emergency.
- ☐ Contribute to the incident debriefing as required.
- ☐ Maintain a log of all actions taken.

MINE SITE MEDICAL STAFF DOCTOR OR NURSE CHECKLIST

Responsibilities include:

- ☐ As soon as you are notified of an emergency, check in with the Control Group.
- ☐ Report to the medical clinic unless otherwise directed.
- ☐ Check with the Control Officer if you identify the need to call out other first-aid personnel to assist in dealing with the emergency.
- ☐ Be prepared to accept all patients.
- ☐ Be prepared to accept multiple casualties.
- ☐ Prepare first-aid facilities and any additional accommodation that might be required to receive and treat casualties.
- ☐ Check to see if an ambulance has been called.
- ☐ Confirm arrangements with the Control Group for additional supplies, if needed etc.
- ☐ Ensure that medical forms and emergency phone numbers are available for recording information and arranging for Medevac if required.
- ☐ Notify AEM Medical Director if a doctor's expertise is required.
- ☐ Consult with relevant authorities to obtain additional medical equipment or adequate ambulances and transportation if required.
- ☐ Follow procedures for emergency medical evacuations.
- ☐ Maintain a log of all actions taken.

SECURITY CHECKLIST

In any emergency situation, the Security Department provides control of the site:

- Security Officers allow access to authorized personnel only.
- A patrolling Security Officer can proceed to the emergency area if requested and deny access to unauthorized personnel.

When Security is notified of an emergency, they must take the following steps:

- ☐ Notify the Control Group of the time the road gates were closed: _
- ☐ Deny all access unless approved by the Control Group.
- ☐ In consultation with the Control Group, assess the emergency and evaluate whether you require additional Security Officers.
- ☐ In consultation with the Control Group and Incident commander, assist with evacuation of the affected area

NOTE: ERT will assist in evacuating all areas that considered life threatening while security will management the evacuations of all other affected areas.,

Security should be involved in the investigation as soon one of the following points is confirmed but not limited to:

- Potential malicious act such as arson, vandalism and tempering with life safety equipment.
- Incident involving gold.
- Motor vehicle accident
- Multiple casualties
- Serious injuries and fatalities

DISPATCHER CHECKLIST

The Dispatcher is the one that will receive the Emergency call.

Responsibilities include:

- ☐ Answer Emergency Call (Phone or Radio):
- ☐ Time of the call? _____
- ☐ Is it for Amaruq or Meadowbank? _____
- ☐ Name of caller? _____
- ☐ What is the Emergency? _____
- ☐ Are there Injured people? _____
- ☐ How many? _____
- ☐ If fire, what is burning? _____
- ☐ Is there a risk of propagation? _____
- ☐ Details of the Incident? _____

_____

_____

_____

- ☐ Keep track of pre-call information:
- ☐ Refer to the Emergency Calls Flowchart:
- ☐ Call Appropriate Emergency Response Teams:
  Who was contacted? _____

_____

- ☐ Make sure to keep radio-communication open with Emergency Response Team Channel 1.
- ☐ In consultation with the Control Group or Incident Commander, perform a “Public announcement” as indicated.
- ☐ Call the all-clear once IC and control group notify that it is good to do so

COMMUNICATION OFFICER CHECKLIST

On site emergency communication

Responsibilities includes:

- ☐ Internal communication during the emergency
- ☐ In cooperation with the control group and Incident commander, prepare and deliver a statement of the situation to employees and visitor on site.

The statement should include.

- Nature of emergency
- Current situation
- Communication lock down
- Communication Policy related sharing pictures and videos
- Expected update on the situation.

- ☐ Gather questions and concerns from the workforces to the Control group.
- ☐ Gather information about the situation to complete section 1.7 of the CMP Crisis Fact gathering sheet and be prepared to communicate this information to Corporate.
- ☐ After initial information about the nature of the emergency has been verified by the Control Group, make the following calls as requested. Give them your phone number to return any calls.
- ☐ Notify the General Manager if not on the property.
- ☐ Notify the Health and Safety Superintendent if not on the property.
- ☐ Advise the Health and Safety Superintendent that the WSCC should be notified according to the Mine Health and Safety Regulations section 16.
- ☐ At the request of the General Manager, In the event of a fatality, Contact the RCMP who is the only communication channel that will be issued toward victim's relatives.
- ☐ For an environmental incident, confirm with the Sustainability Officer that the environmental regulatory agency has been called
- ☐ Make yourself available to the Control Group to perform other duties as needed.
- ☐ Obtain a list of missing individuals and relevant information (including names, addresses, and occupations).
- ☐ As per section 1.7 of the CMP Crisis Fact gathering sheet, assist Corporate Communications Coordinator to prepare a media release, upon direction from the Control Officer (General Manager)
- ☐ Make no statements (including "off the record" statements) that have not been approved by the Control Officer or designate in coordination with the Corporate Crisis Team.

Incoming media calls should be logged and prioritized for callback, pending decisions on media statements / messages as determined by the Control Officer or Corporate Communications Coordinator.

- ☐ As requested, or required, arrange meals, refreshments, accommodations, and travel for patients, off- site rescue teams, support personnel, Control Group, and other personnel.
- ☐ Arrange for additional staff from camp to cover 24-hour service if required.
- ☐ Plan arrangement for outside counselling services (EAP) to come to the mine site.
- ☐ Maintain a log of all actions taken.
- ☐ Inform the above contacts when the emergency is over.

PERSONNEL ACCOUNTABILITY OFFICER (SURFACE) CHECKLIST

- ☐ Ensure that a second person has been assigned to assist with the recordkeeping.
- ☐ Ensure your laptop is connected to the FLO system and then use the ‘’People on site’’ (Emergency) red button.
- ☐ Call Muster Stations of the affected areas and make sure there is a Supervisor in charge for each Muster or Refuge station. By radio: Channel 1 or ‘’Muster’’ channel
- ☐ Make a record of the locations of persons who are tagged in musters and provide two copies to the Control Group.
- ☐ Instruct all persons to remain in the designated area in case they are required to help.
- ☐ If any persons have suffered from smoke inhalation or other injury, direct them to see the medical personnel.

* Write personal notes on reverse side if needed and put this card with log sheets after the Incident Debriefing for compilation purposes.

SWITCHBOARD OPERATOR IT CHECKLIST

The Switchboard Operator is appointed by the Control Officer.

The Switchboard Officer is stationed close to the Emergency Control Room.

Responsibilities include:

- ☐ Contact the Control Officer, who will decide whether outside communication (Internet and phone lines) should be cut off until the emergency is over.
- ☐ Receive all incoming calls and keep an accurate log of those calls (including name of caller, time of call, message).
- ☐ Transfer all pertinent calls to the Control Group, such as calls from the WSCC, other AEM sites, and AEM head office.
- ☐ Ensure that any information received is passed along to the Control Group.
- ☐ Make no statements including “off the record” statements, that have not been approved by the Control Officer (General Manager) or designate.
- ☐ Ensure the good functioning of alternate means of communication, i.e., satellite phone

PROCESS PLANT SUPERINTENDENT OR DEISGNATE CHECKLIST

The Process Plant Superintendent or Designate works under the direction of the Control Group.

Responsibilities include:

- ☐ Account for all mill operations personnel (including contractors and visitors). Contact a delegate to identify all personnel from the tag board
- ☐ Be ready to have resources available to de-energized a mills equipment, operate an equipment or give support to the ERT on scene if safe to do so
- ☐ Be ready to stop any discharge if needed
- ☐ Ensure that guards are in position if required.
- ☐ Remain at the assembly point until you receive clearance from the Control Group to leave.
- ☐ Inform the Rescue Action Director of any personnel who are unaccounted for.
- ☐ Maintain a log of all actions taken.

MINE SUPERINTENDENT OR DESIGNATE CHECKLIST

The Mine Dept. Superintendent works under the direction of the Control Group.

Responsibilities include:

- ☐ Account for all mine personnel (including contractors and visitors). (use a delegate who will do this task and confirm to you
- ☐ SURFACE; be ready to provide an escort if requested by the ERT team
- ☐ SURFACE: be ready to provide any equipment or personnel required on scene such as loader, HEO (heavy equipment operator)
- ☐ Dispatch and fleet management may be used to locate equipment
- ☐ Camera might be used to have a visual at area where it is possible to do so
- ☐ Remain at the assembly point until you receive clearance from the Control Group to leave.
- ☐ Inform the Rescue Action Director of any personnel who are unaccounted for.
- ☐ Maintain a log of all actions taken.

8 UNDERGROUND EMERGENCY RESPONSE CHECKLISTS

In the event of an underground emergency, the first goal is the preservation of life. Efforts to save property and restore operations should be made only after all personnel are safe and accounted for.

After the emergency response plan has been put into effect, all persons must remain at their designated posts until the emergency is over, or, in the case of a prolonged event, until another person has relieved them. In the event of an evacuation, all personnel must immediately follow instructions given to them by responsible personnel.

Radio silence is required for all those who are not directly involved in the emergency and rescue operations.

It is the prime importance that the stench gas be injected as soon as possible if there is a potential of any type of risk related to the respiratory atmosphere.

This procedure is for underground emergencies only. Any emergency located outside the portal is considered to be a surface emergency and is covered in another section of the Emergency Response Plan.

Stench Gas

In the case of an underground fire, inject stench gas to notify personnel of the emergency, or contact a designated person to do it.

Releasing the gas is the responsibility of any employee trained in the procedure.

The gas can be released through any HMI terminal. If this is not possible, release the gas manually into the main ventilation flow.

Bottles of stench gas are kept in the ventilation fans Electrical room.

A copy of the procedure is kept on the wall in the same room, next to the bottles of gas.

Mine Rescue Designated Meeting Areas

AMQ conference room.

Mine Rescue Team (MRT)

The Mine Rescue Teams (MRT) serve as the front-line response team during any underground emergencies such as fires, critical injuries, etc. As soon as team members are dressed, they will gather at the Emergency Response Room, located in the main camp in Amaruq.

Coordinator

The coordinator initially coordinates the activities of the Mine Rescue Team from the Emergency Response Room and then from an isolated area once the team proceeds underground.

Underground Employees

Anyone on the surface should immediately gather in the designated area and await instructions. Those remaining underground should go to the nearest refuge area, emergency drop tent, or air header as per the underground fire procedure.

UG CONTROL OFFICER CHECKLIST

The Mine General Manager or designate assumes the role of Control Officer and oversees the rescue and recovery operations.

The Control Officer works with the Control Group to determine a plan of action to minimize endangerment to life and facilities.

Using the Control Group as a resource team, the Control Officer makes the final decisions concerning rescue and recovery operations.

As rescue and recovery operations progress, the Control Officer might be required to authorize some major decisions such as reversing the ventilation or setting rescue and recovery priorities.

Responsibilities include:

- ☐ Ensure that the Control Group has been contacted as soon as there is a confirmed emergency ongoing
- ☐ Record the times at which the surface mine Dispatcher made the initial announcement and second announcement:

  _____

  _____
- ☐ Appoint a Rescue Action Director. Name: _____
- ☐ Ensure that a Briefing Officer has been designated. Name: _____
- ☐ Designate a Personnel Accountability Officer (UG mine dispatch) and an assistant to obtain a list of personnel who are Underground. Name: _____

  Following the Personnel Accountability Officer Checklist
- ☐ Ensure that a vehicle has been arranged for the Mine Rescue Team to go underground.
- ☐ Record which vehicle is used: _____
- ☐ Appoint a Log Recorder to record all telephone calls, instructions given, times, and sequence of events. Name: _____
- ☐ Designate a Communications Officer. Name: _____
- ☐ Ensure that the UG dispatch is designated to announce on all radio channels:

“All employees report to a refuge station immediately. There is an underground emergency.”

- ☐ Ensure this message is repeated every 10 minutes until all personnel are accounted for.
- ☐ Designate someone to announce on the Underground and Surface radio channels:

“All underground employees who are on surface, report to the Emergency Response room immediately.”

Ensure that the Control Group has adequate resources: radios, paper, pens, etc.

- ☐ Confirm with the Mechanical Team Leader that all entrances to the mine have been guarded.
- ☐ Ensure that the Communications Officer is made ready and available to make outside contacts, if needed, to:
  - ☐ Mutual aid as previously determined.
  - ☐ WSCC Emergencies Director

- ☐ Decisions not requiring immediate execution
- ☐ Contact AEM Corporate office if the emergency is real and not a drill.
- ☐ Determine whether the Incident Is a Crisis

If the incident meets the definition of a crisis, as defined in the Meadowbank Crisis Management Plan, the Control Officer must:

- ☐ Notify Corporate Emergency Response Group, in accordance with the Crisis Management Plan of the event.
- ☐ Assist to write a media release.
- ☐ Be prepared to authorize the expenditure of resources and monetary funds necessary for the preservation of personnel and property.
- ☐ In the event of serious injury or loss of life, be prepared to notify families and neighboring communities and possibly the regional police or coroner.
- ☐ Coordinate an orderly return to normal operating conditions.
- ☐ Arrange for a debriefing session.
- ☐ Request assistance from Employee Assistance Program (EAP) professionals to counsel personnel and families affected by a major incident.
- ☐ Keep a close follow up on all the action that were requested

Other elements to verify:

- ☐ Verify the Headcount is completed
- ☐ Verify if communications must be cut
- ☐ Verify if external calls are required
- ☐ Requests for resources on their way?
- ☐ MRT on their way?
- ☐ Status change of the emergency, new information?

UG RESCUE ACTION DIRECTOR CHECKLIST

The Control Officer appoints the Rescue Action Director.

Ideally, the RAD is a member of the Control Group who is responsible for the underground area in which the emergency occurred.

Alternatively, mine UG General supervisor from the affected area should perform this role.

For example, for an underground emergency, the Underground Supervisor would be appointed Rescue Action Director.

Responsibilities include:

Develop recommendations for rescue and recovery operations by obtaining the following information:

Location of emergency: _____

Nature of emergency: _____

- ☐ Has stench gas been injected? By whom & when?
  _____
- ☐ Designate someone to announce on all radio channels:
  "All employees report to a refuge station immediately. There is an underground emergency."

- ☐ Ensure this message is repeated every 10 minutes until all personnel are accounted for.
- ☐ Have mine rescue personnel been contacted?
  _____
- ☐ Number and location of persons working underground:
  _____
  This information will come from the Personnel Accountability Officer.
- ☐ Number and location of persons accounted for:
  _____
  This information will come from the Personnel Accountability Officer thru phone calls to the underground refuge stations.
- ☐ Any persons missing?
  _____
- ☐ Contact the refuge stations every 10 minutes for an update.
  This task will be designated to your Personnel Accountability Officer.

Is ventilation normal?

- ☐ Designate someone to check HMI for main fan status. Name: _____
- ☐ If it is a fire, is it out or still burning? _____
- ☐ Has the area been evacuated? _____
- ☐ Is there auxiliary ventilation? _____
- ☐ Is equipment involved? _____
- ☐ Are hydrocarbon storages involved? _____
- ☐ If an electrical fire exists, does power need to be isolated? _____
- ☐ Discuss with other members of the Control Group to ensure that no one is placed at greater risk by altering ventilation.
- ☐ Is it a ground fall? _____
  - ☐ Is the area isolated? _____
  - ☐ Are personnel involved? _____
- ☐ Is it a water inrush? _____
  - ☐ Is it water still flowing? _____
  - ☐ Can it be slowed or stopped? _____
  - ☐ Where is the breakthrough location? _____
  - ☐ Is it equipment or personnel in an open stope? _____
  - ☐ Is the area guarded? _____
  - ☐ Is there contact with any affected personnel?
- ☐ Is there any flammable hazard from equipment?
- ☐ Is it a mine gas incident?
  - ☐ Is the source of the gas identified?
  - ☐ What is the gas?
  - ☐ Is the area guarded?
  - ☐ Is the gas contained to an area?
- ☐ Is it a major diesel fuel release?
  - ☐ Is it currently contained?
  - ☐ Are all personnel safely removed?
  - ☐ Has the area been barricaded?
  - ☐ Has the exact location been identified?
  - ☐ Is it in close proximity to a pump station?
  - ☐ Does pumping need to be suspended?
  - ☐ Does the discharge on surface need to be monitored?
- ☐ Be aware of who is the Personnel Accountability Officer and how to reach him/her Name & communication:

  _____
- ☐ Ensure that the external phone system has been restricted.

- ☐ If applicable, request that the Incident Commander delegate two teams of two ERT members dress in the SCBA and sample the exhaust air at designated emplacement.
- ☐ Record their names: _____
- ☐ Delegate arrangement for transportation for these two team members to E&I or mine supervisor
- ☐ Record the name of the driver and truck description: _____
- ☐ Call the Briefing officer (BO) to confirm that the team is assembling.

- ☐ **Develop a plan of action, taking into account:**
- ☐ Who is being affected by the incident? _____
- ☐ What areas is the incident affecting (ventilation)? _____
- ☐ What type of response is best suited to the situation (foam, water, etc)? _____

- ☐ **Ensure that the Emergency Response Plan is functioning:**
- ☐ Security has been notified to carry out their assigned tasks.
- ☐ Department heads are available nearby to give direction to gather materials, employees, equipment, etc.
- ☐ Ensure that non-essential employees remain outside of the Control Room until their assistance is required.
- ☐ Ask Engineering to reproduce drawings as needed by the Coordinator and Control Group.
- ☐ If necessary, ask Switchboard Operator to call out the Mine Technician to provide the drawings.
- ☐ Record the time the request was made: _____
- ☐ Ensure that sufficient mine rescue personnel have assembled and are preparing their equipment.
- ☐ Once you have sufficient information to develop a plan of rescue and recovery in collaboration with the BO, communicate the plan with the Emergency Response group and the control officer.
- ☐ Consult with department heads.

PRIOR TO GOING UNDERGROUND – RAD CHECKLIST

Before any team goes underground, the RAD must discuss the situation with the Briefing officer BO. The Emergency Measures Counselor will require the names of the teams and the action plan and will approve the plan. He or she can assess whether the team has sufficient training to accomplish the tasks. This step is mandatory unless the Emergency Measures Counselor cannot be notified. Approval must be obtained from the Control Officer.

- ☐ Issue written instructions to the Briefing Officer (BO) and keep a copy for the Log Recorder.
- ☐ Give instructions to emergency personnel as required using map and system (HMI), camera, if required.
- ☐ Monitor and check conditions in the affected area.
- ☐ Arrange for all reports to be presented at specific intervals to the Control Group.
- ☐ Ensure that procedures, employees, and equipment are in place to ensure prompt dispatch of requested personnel, materials, and equipment into the affected area.
- ☐ Monitor progress and adjust the plan as required.
- ☐ Ensure that all stench bottles in all locations have been recharged before the mine is reopened. Have each location signed off by the person responsible for that task.

An underground mine will not be reopened until:

- ☐ Mine air is totally free of contaminant and neutralizing gas had been released through mine ventilation (Winter Green) Signature:
  _____
- ☐ All surface stench bottles have been replaced. Signature:
  _____
- ☐ All underground stench bottles have been replaced. Signature:
  _____
- ☐ Ensure on the HMI that all stench bottle pressures are fully charged.

UG BRIEFING OFFICER CHECKLIST

The Briefing officer BO works under the direction of the Control Group to direct the Mine Rescue Team in response and recovery operations.

Responsibilities include:

- ☐ Go to the Emergency Response Room and set up the work area and start gathering information about the emergency
- ☐ As the mine rescue members gather in the firehall, appoint a team captain and team #1 members with the EMC (Emergency Measures counselor)
- ☐ Have the team begin field testing their standard equipment and follow their step-by-step mission preparation
- ☐ Clear the Emergency Response room and make it available for additional team members and briefings.
- ☐ After team #1 has completed their field tests, have team #2 field test their standard equipment and breathing apparatus up to the point where ice is to be inserted into the apparatus.
- ☐ Stay with the team until summoned to the Control Room.
- ☐ Obtain written details of the emergency from the Rescue Action Director. After an action plan has been developed, the Rescue Action Director will provide you with the plan and necessary information as follows:

Location of emergency? _____

Nature of emergency? _____

- ☐ Has stench been injected? What time? _____
- ☐ If it is a fire, is it out, or still burning? _____
- ☐ Number and location of persons working underground: _____
- ☐ Number and location of persons accounted for: _____
- ☐ Are there any persons missing? _____
- ☐ Is ventilation normal? _____
- ☐ If this is an electrical fire, has power been isolated? _____
- ☐ Is a backup team available? _____
- ☐ Has a mutual aid team (MBK or MEL) been notified? _____
- ☐ Has the Emergency Measures Counselor been notified, if applicable? _____
- ☐ Are maps being made up? _____
- ☐ When the Mine Rescue Team is ready, begin briefing the team about the mission.
- ☐ Provide maps (11x17-inch size) and other information to the team and proceed with the briefing.
- ☐ Instruct the team about which radio channel to use.

Notify the Control Group that the team is briefed and ready to proceed.

- ☐ Maintain contact with the team using either the radio or phone system.
- ☐ Appoint someone not on team #2 to control the activities and flow of traffic in the Emergency Response Room. Name: _____
- ☐ Proceed to the Emergency Response room and use this as the base for directing the team.
- ☐ When contacting the team, find out the following:

  - ☐ Fill the Report for BO Mission preparation & the Mission's report)

    MBK-HSH-EMR-FRM-UG Mine Rescue Briefing Officer Mission Prep-V.0

    MBK-HSH-EMR-FRM-Mission Captain Report 2025-V.3

- ☐ Condition of team members: _____
  _____
  _____

- ☐ Air flow and conditions: _____
  _____
  _____

- ☐ Visibility and smoke: _____
  _____
  _____

- ☐ Observations and ground conditions: _____
  _____
  _____

- ☐ Maintain contact with and monitor the progress of the team until they return to the Emergency Response Room.
- ☐ Report progress of the team to the Control Group at each stage of the mission.
- ☐ Ensure that the incident scene has been secured at the completion of the rescue so that the investigation can begin.
- ☐ Maintain a log of all actions taken.

UG PERSONNEL ACCOUNTABILITY OFFICER CHECKLIST

The Personnel Accountability Officer is appointed by the Control Group. The purpose of this position is to control the activities in the underground tag-in location.

Responsibilities include:

- ☐ Ensure that a second person has been assigned to assist with the recordkeeping.
- ☐ Call the Control Room and tell them the total number of employees underground at the time of the emergency.
- ☐ Use the Underground Refuge Station Attendance Report to sign in employees.

  MBK-HSH-EMR-FRM-UG Refuge Station Contact Information-V.0

  MBK-HSH-EMR-FRM-UG Personnel Accountability officer check list ERP V.18 (002)

- ☐ Make a record of the locations of persons who are tagged in as underground and provide two copies to the Control Group. Write on one copy “RAD”.
- ☐ Make calls to underground refuge stations as requested by the Rescue Action Director. When recording information from the refuge stations, it is critical to obtain the correct spelling of the names of the individuals present, as well as their location. Other information may be gathered on subsequent phone calls.
- ☐ When persons come up from underground, they record their names.
- ☐ Indicate the time they smelled the stench gas or heard the emergency call on the radio.
- ☐ Record where they came from at the time of the emergency.
- ☐ Keep this record available at all times for use by the Control Group.
- ☐ Instruct all persons to remain in the designated area in case they are required to help.
- ☐ If any rescue team. Upon arrival on surface, they will be directed to the clinic by the MRT persons have suffered from smoke inhalation or other injury. Report to BO to be communicated to the mine
- ☐ Any Vent Techs, Rock Mechanics, other engineering personnel, and emergency personnel are allowed to leave the underground tag-in location.

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10 APPENDIX A

MBK-IT-EMR-PLN Emergency Telecom Plan at Meadowbank

The Emergency Telecom Plan is a secure document and can only be accessed by Health and Safety Personnel. Location: Group Drive>HealthSafety>Management>000Emergency Telecom Plan

11 APPENDIX B

EMERGENCIES INVOLVING REAGENTS

In the event of a chemical spill incident, the first goal is the preservation of life. Efforts to save property and restore operations should be made only after all personnel are safe and accounted for.

Immediate Actions

For all spills and releases of any hazardous material, the following steps should always be taken:

- Stop the flow of material and/or contain it, if possible, using proper safety equipment and precautions. Do not endanger yourself!
- Administer first aid if required. If anyone comes in direct contact with any
- suspected toxic product, decontaminate them immediately, monitor them closely and give oxygen if there is any indication of symptoms of poisoning.
- Call for help and contact your supervisor.
- Secure the area.
- Prevent unnecessary exposure.
- Perform remedial action for cleanup.

Immediate actions for Emergencies involving dangerous goods will be managed by the Emergency Response Team according to the Emergency Response Guidebook's information.

The Emergency Response Plan will be deployed and the:

Chemical Spill Response Emergencies Checklists'' will apply.

CYANIDE (SODIUM CYANIDE)

Environmental remediation of a spill of cyanide will be managed under the:

MBK Spill Contingency Plan

Control + Click here to link to Spill Contingency Plan

FIRST AID AND MEDICAL AID FOR GENERAL CYANIDE SPILL / RELEASE

Perform lifesaving rescues and First Aid.

If needed, administration of cyanide antidote will be done by medical clinic personnel

by applying the: First Aid and Medical Aid Protocols that are located under this link:

Control + Click here to link to Medical Protocol Cyanide Poisoning Management

CYANIDE TRANSPORTATION ACCIDENTS

Although there is a procedure for Transportation of dangerous goods on the Meadowbank AWAR, (MBK-HSH-OP-TDG Transportation of Dangerous Good on the AWAR-V.3)

Control + Click here to link to TDG Transportation of Dangerous Good on the AWAR

The following actions are to be taken in the event of an accident on the AWAR or at the barge unloading facilities involving cyanide transport vehicle:

- ☐ Call Dispatch and report the location and nature of the accident and indicate the type of assistance required (medical help, environmental clean-up, fire and/or mechanical help);
- ☐ AEM personnel working in this area will evacuate and secure all the access roads leading to the unloading/storage area.
- ☐ Incident Commander on duty in Meadowbank will take command of any action required by the situation at this moment.

Local resources (Baker Lake Fire dept. or R.C.M.P.) will not be involved in this process.

- ☐ **IF THERE IS A VICTIM** Appendix B must be applied.
- ☐ Accident site decontamination will then be initiated as per the Meadowbank Site Spill Contingency Plan.

Control + Click here to link to Spill Contingency Plan

CYANIDE INVOLVED IN FIRES

Sodium cyanide (NaCN) is non-combustible.

Sodium cyanide releases highly flammable and toxic hydrogen cyanide gas (HCN) on contact with acids or water.

- ☐ Incident Commander will refer to the Emergency Response Guidebook 2024 before making any decision for firefighting fires involving sodium cyanide.

Control + click here to link to the Emergency Response Guidebook

- ☐ If the situation allows control and properly dispose of run-off (effluent).

RELEASE OF HCN FROM STORAGE

Large quantities of sodium cyanide are used at the Meadowbank Gold Project to optimize gold recovery from the ore.

Due to transportation restrictions, normally a full year's supply of sodium cyanide will be transported and stored on site.

This product will be stored on secured and separate laydown, known as ''Over pad'' storage area.

- ☐ The product will also be handled, transferred and used in compliance with appropriate legislation and applicable Best Management Practices.
- ☐ Procurement and Logistics Department's workers are to abide by the **''MBK-WHR-PRO Cyanide Storage Procedure''** for Cyanide Storage.

Control + Click here to link to the Cyanide Storage Procedure

PROCESS PLANT: RELEASE OF HCN

The cyanide transferred from the Storage laydown to the process plant is stored outdoor on a specific laydown, in front of door ‘’C’’ of the Process Plant.

A maximum of 24 tons (24 bags) are stored in the mill at the same time.

In case there is a release of HCN, the monitoring system of the process plant will be activated automatically, and the Emergency Evacuation of the process plant will take place, accordingly to **MBK-MIL-OP-0058-General Emergency Evacuation.**

Control + Click here to link to the General Emergency Evacuation Procedure

PROCESS PLANT: RELEASE DURING MIXING / UNLOADING

Every Process Plant worker is required to be trained on ‘’Chemical Awareness’’ and ‘’Mill Induction’’ trainings. These mandatory trainings are scheduled on regular basis by training department for every new worker at Process Plant.

Moreover, Oxygen administration training is given to every Reagent Operators, Supervisors or Relief Operators working at Process Plant.

There is an Oxygen Administration First Aid Kit nearby the Mixing area. This kit includes Oxygen administration portable system, and an Automated External Defibrillation kit (AED). As the ‘’buddy’’ system is always used, an affected (splashed) worker will be first removed from spoiled area, given oxygen, undressed and taken under the Emergency shower.

In case of a release of HCN, the monitoring system of the process plant will be activated automatically, and the Emergency Evacuation of the mill will take place, according to **MBK-MIL-OP-0058-General Alarm Emergency Evacuation.**

Control + Click here to link to the General Emergency Evacuation Procedure

PROCESS PLANT: PIPE OR VALVE BREAK

In case of a small visible leak on the cyanide network (pipe, valve, etc…),

- ☐ Red ribbon and required warning tags will immediately be installed in order to protect the affected area.

Supervisor will take all necessary measures to stop the leak and repair the broken part.

- ☐ The primary measure will be to communicate with the Process Plant Operator and have the broken section isolated and/or de-activated by control room operator.

In case of a major and/or catastrophic leak that could endanger workers, then there will be an immediate evacuation of mill as per the **General Emergency Evacuation** procedure.

- ☐ The Emergency Response Plan will be deployed and the:

  Chemical Spill Response Emergencies Checklists'' will apply.

PROCESS PLANT: TAILING LINE BREAK, CYANIDE TREATMENT PUMP OR TANK RUPTURE.

If a sudden major break takes place on any vital cyanide destruction and/or tailing lines,

- ☐ Immediate and complete Process Plant shutdown is required.
  Complete shutdown will be done by following procedure:
  MBK-MIL-OP-0028 Process Plant Shutdown

  Control+ Click here to link to the Process Plant Shutdown Procedure

- ☐ Should the breakage involve tailing lines only, then procedure:
  MBK-MIL-OP-0049 Process Plant Loss of Tailing will be applied.

  Control + Click here to link to the Process Plant Loss of Tailing Procedure

12 APPENDIX C

MBK-HSH-EMR-PLN-DYNO EMERGENCY RESPONSE PLAN

The Dyno Emulsion plant has a specific EMERGENCY RESPONSE PLAN, created by Dyno Noble and can be found by following the link.

Control + Click here to link Dyno Emulsion Plant Emergency Response Plan

13 APPENDIX D

MBK-ENV-PLN-OIL POLLUTION EMERGENCY PLAN

Control + Click here to link the Oil Pollution Emergency Response Plan

14 APPENDIX E

MBK-HSH-EMR-PLN-NOLINOR EMERGENCY RESPONSE PLAN

Nolinor ERP Plan (Note: This protected document is only available directly on Intelex under H&S Plans – Emergency Response

15 APPENDIX F

MBK-HSS-PLAN BAKER LAKE FACILITIES OM MANUAL - DRAWINGS

Control + click here to link to the Facilities Drawings

16 APPENDIX G

MBK-HSH-EMR-PLN-DESGAGNES VESSEL CONTINGENCY PLAN

Control + Click here to link to the plan (full document)

Control + Click here to link to the plan (section 7 Emergency Situations

17 APPENDIX H

MBK-ENV-PLN-BL-BAKER LAKE BULK FUEL STORAGE FACILITY ENVIRONMENTAL PERFORMANCE MONITORING PLAN VER.2

Control + Click here to link to the BL Bulk Fuel Storage Plan

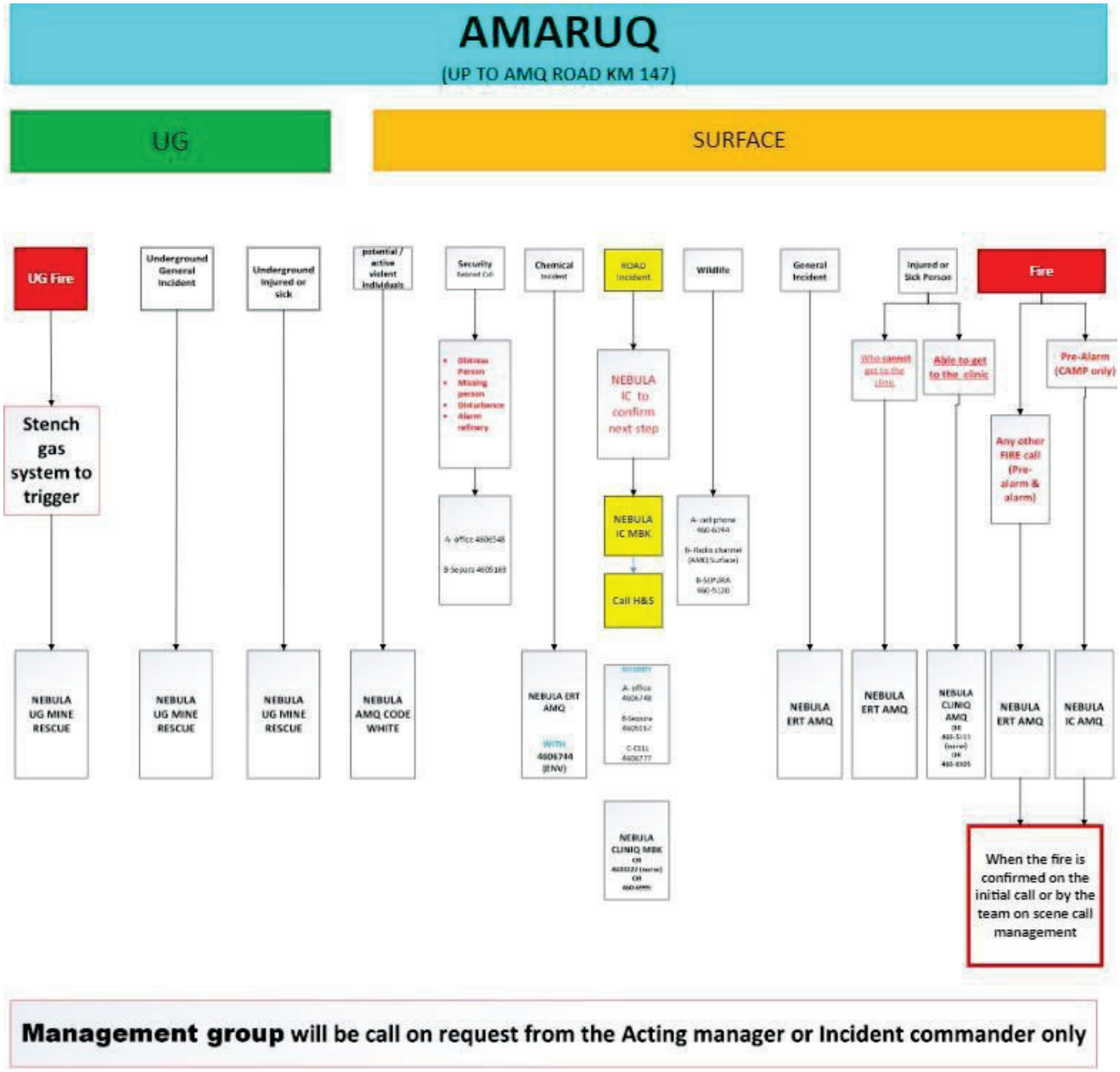
18 APPENDIX I

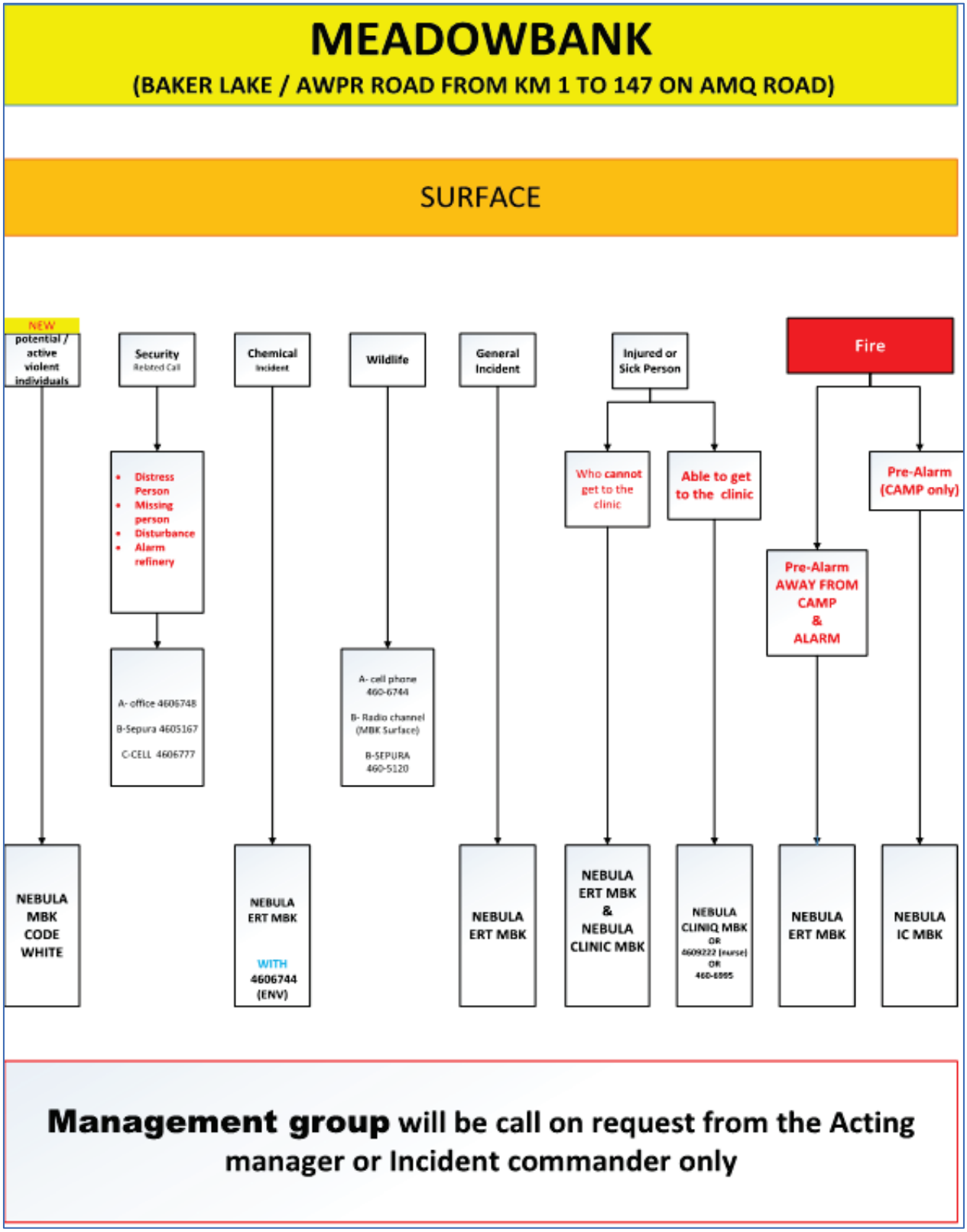
MBK-ENV-PLN-MEADOWBANK TRANSPORTATION MANGAGEMENT PLAN AWAR

Control + Click here to link to the Transportation Management Plan

19 APPENDIX J

MBK-HSH-EMR-FLO-EMERGENCY CALLS DISPATCH FLOWCHART




MEADOWBANK
(BAKER LAKE / AWPR ROAD FROM KM 1 TO 147 ON AMQ ROAD)
SURFACE
NEW
potential / active violent individuals
Security
Related Call
Chemical
Incident
Wildlife
General Incident
Injured or Sick Person
Fire
Distress Person
Missing person
Disturbance
Alarm refinery
Who cannot get to the clinic
Able to get to the clinic
Pre-Alarm (CAMP only)
Pre-Alarm AWAY FROM CAMP & ALARM
A- office 4606748
B-Sepura 4605167
C-CELL 4606777
A- cell phone 460-6744
B- Radio channel (MBK Surface)
B-SEPURA 460-5120
NEBULA MBK CODE WHITE
NEBULA ERT MBK
WITH 4606744 (ENV)
NEBULA ERT MBK
NEBULA ERT MBK & NEBULA CLINIC MBK
NEBULA CLINIQ MBK OR 4609222 (nurse) OR 460-6995
NEBULA ERT MBK
NEBULA IC MBK
Management group will be call on request from the Acting manager or Incident commander only

20 APPENDIX K

COMMUNICATION & CONTROL ACTIVITIES ON SITE BY IC / MOD / Dispatch Surface & UG Emergency

EMERGENCY LEVEL	As soon as 2 teams or less are available (12 ERT or less) *LEVEL 2* is triggered				UG activities
	Example SURFACE	Example UG	Public Announcement	Communication/ Actions	
Level One NO incident confirmed	• PRE-ALARM at Remote building • FIRE ALARM - no fire confirmed ON MINE FOOTPRINT	N/A no level 1 UG	NO PA	ERT to use right of way with Emergency lights & siren only	Do not stop
Level Two Incident confirmed / Intervention required NO risk of aggravation Event off site footprint / BL or AMQ ROADS	• PCK fire safe location • Injury not life threatening, broken limb	• Injury not life threatening, broken limb	Public announcement! Surface or UG Request radio silence on the frequency of the emergency and stop activities around the emergency	Stop traffic in affected area Avoid hight risk jobs on the affected site	Do not stop unless not enough responder for UG or Surface
Level Three More serious event Risk of aggravation	• Fire to major infrastructure • Event that compromise operation for mid term period (section of the camp or mills, powerhouse, genset fire/failiure) • Critical injury to an employee / life threatning, medivac	• Fire / STENCH • Event that compromise operation for mid term period, everybody accounted for • Critical injury to an employee / life threatening, medivac	Public announcement! Surface & UG Request radio silence on all frequencies and get workers to muster as directed by Control Officer, MOD	Stop all activities at affected site CONTROL GROUP NEEDED	Stop
Level Four CRISIS / EMERGENCY LEVEL Mutual aid needed	• Mass Casualties • Plane crash • Event that compromise operation for long term period (Major part of camp, mills, powerhouse or genset, fuel farm) •Death of one or more employee	• Mass Casualties • Fire- not everyone accounted for • Event that compromise operation for long term period ground collapse, ramp blocked, unplanned blast / STENCH •Death of one or more employee	Public announcement! Surface & UG Request radio silence on all frequencies and get workers to muster as directed by Control Officer, MOD	Stop all activities at both sites, Evacuation of personnel may be needed CONTROL GROUP NEEDED	Stop

21 APPENDIX L

SPILL CONTINGENCY PLAN – ENVIRONMENTAL

Control + Click here to link to the Spill Contingency Plan

22 APPENDIX M

MBK-HSS-EMR-PLN MEADOWBANK CRISIS MANAGEMENT PLAN

Control + Click here to link to the Meadowbank Crisis Management Plan

23 APPENDIX N

MBK-HSS-PLAN-WATER-TAILING EPP_ERP

Control + Click here to link to the Water Tailing EPP_ERP