



January 2017

ACACIA MINING OPERATIONS - GÖKIRMAK COPPER PROJECTS

Emergency Preparedness Plan for the Kepezkaya Tailings Storage Facility

Submitted to:
Acacia Mining Operations

REPORT



Report Number 1668788.EPP/A.1

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KEPEZKAYA TSF EMERGENCY PREPAREDNESS PLAN

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1.0 INTRODUCTION

Golder Associates Turkey (Golder) was requested by Mr Uygar Saylam of Acacia Mining Operations (Acacia) to prepare a proposal to carry out Risk Assessments for the Kepezkaya Tailings Storage Facility (TSF) for the Gökirmak Copper Project, and prepare an Emergency Preparedness Plan for the tailings facility.

The Gökirmak Copper Project is located in The Kastamonu province of Northern Turkey. The Gökirmak deposit is a volcanogenic massive sulphide ("VMS") deposit located within Central Pontides metallogenic belt of Northern Turkey. The copper sulphide mineralization is characterized by pyrite and chalcopyrite which form thin, semi-massive to massive, layers that dip gently to the north at approximately 30° (roughly parallel to the regional Ekinveren thrust zone).

Hidro Dizayn, a Turkish consultancy firm, completed the design work for the Gökirmak TSFs. The total tailings storage requirement for the project has been estimated at 12.2 Mm³, based upon the projected plant capacity over the 11 year Life of Mine (LoM) period. In order to meet the LoM tailing storage requirements, construction of two facilities are required, one at the Kepezkaya site (5.15 Mm³) and a second at the Bağdere site (8.08 Mm³). The Kepezkaya TSF will reach ultimate capacity during Q3 of Year 5 of operations. Tailings deposition would then switch to Bağdere for the remaining 6 years of operations.

The Kepezkaya TSF, will be built near Kepezkaya which is located approximately 1 km northeast of Hanönü. The project area, about 70 km from the city center of Kastamonu and about 1.0 km from the Hanönü, is located in the municipality of Hanönü.

Following preparation of the Risk assessment for the TSF, Golder prepared an Emergency Response Plan (EPP) for the Kepezkaya TSF, the focus of this document.

2.0 ADMINISTRATION

Location

The following Information applies to Acasia Maden A.Ş. for the Gökirmak Copper Mine:

- Address: Hanönü Mah. Ali Sakalli Cad., No. 26 Hanönü - Kastamonu
- Telephone: + 90 366 497 55 56
- Fax: + 90 366 497 55 83
- Mobile: +90 538 574 78 27

Main Site

- The Gökirmak Copper Mine and Kepezkaya TSF are located in the Kastamonu province of Northern Turkey (see Site Location Plan – attached)
- The Kepezkaya TSF is surrounded by farmland (see Site Plan Schematic - attached)
- The closest waterways are the Yılanli stream which flows past the western side of the TSF, where it joins the Gökirmak River at Hanönü, which is located approximately 1 km south west of the facility.

General description of activities

Open pit mining of copper ore and subsequent processing by grinding and flotation to produce concentrates of copper for export to smelters, together with the permanent storage of waste in the form of tailings in the Kepezkaya and Bağdere TSFs situated respectively approximately 2.5 and 3 km north east of the Processing Plant.

2.1 Definition of an Emergency

An emergency is defined as an existing or imminent event resulting in situations that require immediate action to protect lives, property and/or the environment.



2.2 Emergency Planning Policy

Emergency planning shall ensure a timely and appropriate response to emergencies and compliance with applicable laws and industry and legal codes of practice. Gökirmak Copper Mine is committed to the following, in order of priority:

- 1) Protection of the health and safety of workers and the public;
- 2) Protection of the environment; and
- 3) Protection of capital equipment and company records.

2.3 Emergency Plan Responsibility

The Manager, Engineering and Environment is responsible for the development and administration of a comprehensive and effective emergency plan. He/she has authority to ensure that adequate attention is given to all essential aspects of the plan and the needs of all involved in the plan.

The management of Gökirmak Copper Mine is responsible for compliance with this Emergency Plan Policy.

2.4 Emergency Preparedness Plan and Manual Purpose

The purpose of the Gökirmak Copper Mine Emergency Preparedness Plan is to confirm the Mine's commitment to operating its business at the highest achievable standard to protect the health and safety of immediate workers, the public and the environment.

The purpose of the manual is to document the Emergency Plan for the Kepezkaya TSF at the Gökirmak Copper Mine. It will be used for the training of employees to safely handle emergencies and for reference.

2.5 Manual Distribution

This manual will be distributed to the following people:

- General Manager;
- Mine Manager;
- Manager of Processing;
- Safety Superintendent;
- Electrical Superintendent;
- Hanönü Fire department;
- Hanönü Municipality;
- Hanönü Governorship; and
- Hanönü directorate of education.

This manual will be posted in the following areas:

- Emergency Control Room;
- Open Pit Quarry; and
- Flotation Plant.

In addition SRM recommended that here should be an Emergency Plan for the communities that outlines the actions that will be taken by Acacia to inform public officials to trigger emergency evacuation and ensure public safety.



2.6 References

- Emergency Preparedness Plan, Design Brief, Golder Associates (Turkey) Ltd. Report.

Manual Revision Log	Revision	Date



KEPEZKAYA TSF EMERGENCY PREPAREDNESS PLAN

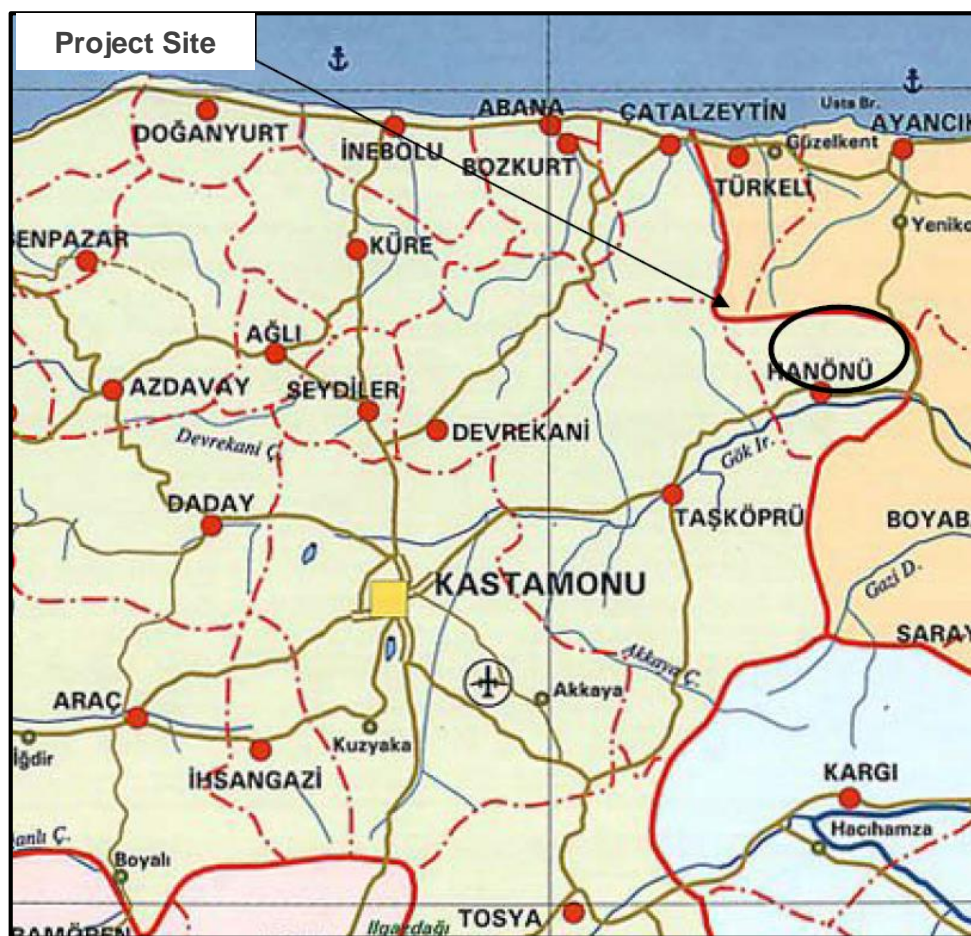


Figure 1: Site Location (Figure from Hidro Dizayn Report G5.3.1 KEPEZKAYA_MUH_JEO_RAPOR.pdf)



KEPEZKAYA TSF EMERGENCY PREPAREDNESS PLAN

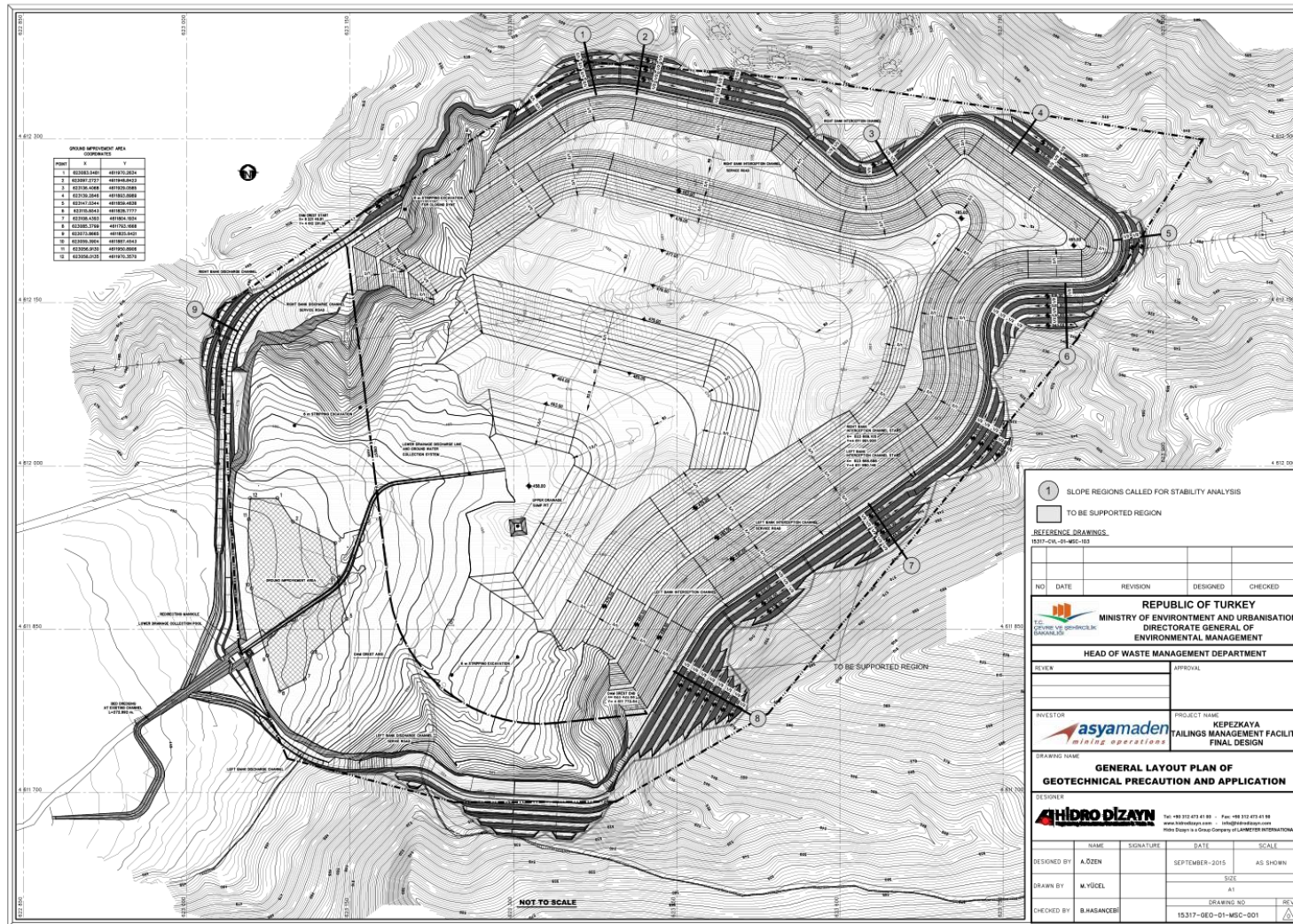


Figure 2: Kepezkaya TSF (Hidro Dezayn Final Design General Layout Drawing)



3.0 ROLES AND RESPONSIBILITIES

3.1 Emergency Teams

Who responds to an emergency?

There are several teams currently in place at the Gökirmak Copper Mine, which complement the Emergency Control Group. These teams include:

- Firefighter team;
- Crisis Management team; and
- First Aid Team.

The Emergency Control Group consists of:

- 1) Emergency Management Coordinator ;
- 1) Departmental Leaders (Mining, Engineering, HR, etc.);
- 2) Fire/Crisis/First Aid Teams;
- 3) Other Employees; and
- 4) Visitors/Contractors.

3.2 General Training and Drills

How can I prepare?

- All employees should be fully aware of the company policy and procedures for evacuating the facility and responding to an emergency;
- Training will be incorporated into the health and safety meetings once per year to review responsibilities and procedures;
- Training is the responsibility of the Manager of Human Resources; and
- Training, tests and drills are essential to train and educate emergency response personnel and the other employees. The best method for training staff to manage an emergency situation is through Drills and Tests.

Tests are conducted on a regular basis to maintain the readiness of operational procedures, personnel and equipment. Drills provide personnel with an opportunity to become thoroughly familiar with the procedures, facilities, and systems that will actually be used in emergency situations.

Two types of drills will be conducted at Gökirmak Copper Mine:

- Tabletop drills (bi-monthly) provide a convenient and low-cost method designed to evaluate evacuation plans and procedures and clarify coordination and responsibilities; and
- Functional drills (semi-annual) are designed to test and evaluate the capability of equipment and communication tools for emergency evacuation.

SRM recommended that training and drill operations/procedures could also be extended to include a wider range of stakeholders, including the Hanönü education directorate, schools (which are all in close proximity to the TSF), and members of the public who live in close proximity to the TSF. In addition that noted that it is important to prioritize the public stakeholders according to distance to the TSF and make them part of the training/drill procedures in order for them to be informed of what is expected in case of emergency.



3.3 On-Scene Controller

Responsibilities

The first person to arrive on-scene assumes control of the scene. This person assumes the role of On-Scene Controller.

The On-Scene Controller has the following responsibilities:

- Ensure that emergency requirements have been requested;
- Ensure that members of the Emergency Control Group have been contacted and told to report to the Emergency Control Centre (see Site Plan Schematic – attached);
- Ensure that accurate records of events are completed and maintained; and
- Report regularly to the Emergency Control Group in the Emergency Control Centre.

Training and competency

The On-Scene Controller is, by definition, the first person to arrive at the scene of the incident, and acts as the eyes of the Emergency Control Group. The first person on the scene must be able to determine the severity of the situation and communicate this information to the Emergency Control Centre.

All employees will be trained to be competent in the following tasks:

- Notification of appropriate internal and external contacts;
- Location of emergency resources and equipment;
- Response to the emergency call;
- Identification and assessment of an emergency situation; and
- Location of incident areas and Safe Gathering areas.

3.4 Emergency Management Coordinator

Job description

The Emergency Management Coordinator is the head of the Emergency Control Group. The Emergency Management Coordinator is responsible for the development and administration of comprehensive and effective emergency plans. He/She has authority to ensure that adequate attention is given to all essential aspects of the plan and the needs of all involved in the plan. He/She is also responsible for ensuring that adequate resources are available to implement the plan.

Responsibilities

The Emergency Management Coordinator has the following responsibilities:

- Declaring an emergency;
- Directing all emergency operations;
- Declaring an evacuation;
- Cooperating with External Emergency Response teams (e.g. fire department, police, medical aid) for duration of their response;
- Monitoring and approving incoming and outgoing telephone calls, news bulletins, and/or press releases in collaboration with the Public Relations Directory and the Public Relations Spokesman;
- Ensuring that site and area plans are readily available;



- Declares when the area is safe to return to and gives 'all-clear' signal;
- Coordinates drills (twice per year) and tests of the emergency plan, to ensure that all staff and employees are trained and knowledgeable of the plan, and that the plan is up to date and applicable;
- Investigates emergency and evaluates response; and
- Preparing and submitting necessary reports on the incident.

Training and competency

The Emergency Management Coordinator will be trained to be competent in the following tasks:

- Identification and declaration of an emergency situation;
- Notification of appropriate internal and external contacts;
- Directing emergency operations, including provision of direction to Departmental Leaders and Fire/Crisis/First Aid Team;
- Declaring and directing an evacuation;
- Assessment of area for activating all clear alarm;
- Coordinating drills and tests of the emergency plan, to ensure that all staff and employees are trained and knowledgeable of the plan, and that the plan is up to date and applicable; and
- Investigating the emergency and evaluating the response to the emergency.

3.5 Departmental Leaders

Job description

Departmental Leaders are:

- Gökirmak Copper Mine: Managers/Superintendents/Chief Engineers. Occupational Physician; and
- Office: Human Resources Manager.

The Departmental Leaders are responsible for assisting and advising the Emergency Management Coordinator and the Fire/Crisis/First Aid Teams as necessary.

In the event of an emergency, and in the absence of an Emergency Management Coordinator, the Departmental Leaders have the power to declare an emergency and/or facility evacuation.

Responsibilities

The Departmental Leaders have the following responsibilities:

- Assist an evacuation by encouraging the people to remain calm and proceed in an orderly fashion;
- Know the incident area and the Safe Gathering areas;
- Know the location and use of emergency resources;
- Cooperates with and assist External Emergency Response teams (e.g. fire department, police, ambulance, doctors), as necessary;
- Conduct sweep of incident areas during evacuation, if possible;
- Conduct head-count of people at Safe Gathering areas during evacuation;
- Communicate 'all-clear' signal;
- Assist the Emergency Chiefs in the investigation of emergency and evaluating response;



- May assist with remedial action as follow up to incident;
- Assist Emergency Management Coordinator in the execution of drills and tests of the emergency plan, as necessary;
- Receive Feedback from General Manager/Emergency Coordinator;
- Decide how/where and who should conduct an intervention for an incident and establish limitations;
- Establish Advanced Control Centre and managing Incident Scene Coordinator and AKE (Acacia Mine Rescue Team);
- Ensure the activation of announcement system in case of evacuation in the facility;
- Provide and allocate both internal and external resources;
- Check functioning of personnel, equipment and resources during an emergency;
- Make recommendations to the Director of Emergency about availability and utilisation of resources;
- Ensure accurate records of events are taken (document all activities and communications);
- Following-up on all personnel in Muster Point who have been affected by an emergency state (all people to be accounted for);
- Ensure good cooperation between the Acacia Mining Rescue Team leader and Waste Manager;
- Provide security for the incident scene and limit access to the scene to emergency personnel;
- Withdraw the emergency team once the incident has been dealt with; and
- Provide technical proposals to the Manager of Emergency Control Center and Mine Rescue Team.

Training and competency

The Departmental Leaders will be trained to be competent in the following tasks:

- Take an active role and provide technical support in the preparation of plans and instructions regarding an Emergency;
- Take an active role in organised drills during assessment of emergency preparedness;
- Evaluate competency in activities of emergency preparedness, and make recommendations for improvement if deemed necessary;
- Form and train their own emergency teams;
- Identification and declaration of an emergency situation;
- Notification of appropriate internal and external contacts;
- Declaring and directing an evacuation;
- Location of incident areas and Safe Gathering areas;
- Location and use of emergency resources;
- Conducting head-count of people at Safe Gathering areas during evacuation;
- Communicating 'all-clear' signal;
- Investigating the emergency and evaluating the response to the emergency; and
- Coordinating drills and tests of the emergency plan, to ensure that all staff and employees are trained and knowledgeable of the plan, and that the plan is up to date and applicable.



3.6 Fire/Crisis/First Aid Teams

The Fire/Crisis/First Aid Teams are comprised of skilled persons in each of the following areas:

- First Aid;
- Maintenance;
- Fire Control; and
- Personnel Management.

Job description

The function of the Fire/Crisis/First Aid Teams is to respond, assess and act on any given emergency situation. When an alarm sounds or an emergency announcement is made, the Fire/Crisis/First Aid Teams should meet at a centrally located area of the facility (Gökirmak Copper Mine Processing Plant).

In the event of an emergency, and in the absence of an Emergency Management Coordinator, the Fire/Crisis/First Aid Teams personnel have the power to declare an emergency and/or facility evacuation.

Responsibilities

The Fire/Crisis/First Aid Teams have the following responsibilities:

- Maintain emergency resources and equipment;
- Respond to the emergency call and assess the emergency situation; and
- Ensure external emergency response teams have been called.

The first priority of the Fire/Crisis/First Aid Teams is to attend to any accident victims, in the following order of priority:

- 1) Breathing;
- 2) Bleeding;
- 3) Burns; and
- 4) Panic.

In addition:

- Declaring an emergency out-of-control if warranted and recommend that the Emergency Management Coordinator declare an evacuation;
- Prevention, if possible, of a catastrophic or significant release of environmentally hostile media.
- Preservation of property (company records, tools, etc.) without risking life or limb;
- Cooperate with and assist External Emergency Response teams (e.g. fire department, police, ambulance, doctors), as necessary;
- As necessary, assist the Departmental Leaders and Emergency Management Coordinator in the investigation of an emergency and evaluating the response;
- To work under the incident scene coordinator and following his/her verbal instructions;
- Not leave the scene without permission of the Incident Scene Coordinator;
- Lead the Acacia Mining Rescue Team during the operation;
- Incident Scene Coordinator may give orders to ART Team Leader, staying with him/her at this moment;



- Release information about an emergency from the Mining Rescue Building to the Mining Rescue Team;
- Assign the Mining Rescue Team Leader;
- Positioning in the area of the emergency and inquire information from authorities;
- Create a secure communication line with Mine Rescue Team and take control of their activities;
- Request personnel, equipment and other resources from the Incident Scene Coordinator;
- If necessary, ask for external support to the mine rescue team via Incident Scene Coordinator;
- Monitoring team members (for fatigue and stress) and change personnel if deemed necessary; and
- During the mission the Mining Rescue Team should provide information to the Crime Scene Coordinator.

Training and competency

The Fire/Crisis/First Aid Team will be trained to be competent in the following tasks:

- Maintenance of emergency resources and equipment;
- Notification of appropriate internal and external contacts;
- Response to the emergency call and assessment of the emergency situation;
- Identification and declaration of an emergency situation;
- Declaring and directing an evacuation;
- Location of incident areas and Safe Gathering areas;
- Investigating the emergency and evaluating the response to the emergency; and
- Assisting the Emergency Management Coordinator and the Departmental Leaders in coordinating drills and tests of the emergency plan, to ensure that all staff and employees are trained and knowledgeable of the plan, and that the plan is up to date and applicable.

3.7 Other Employees

Other employees consist of those facility personnel in the workplace not previously described.

Facility personnel are expected to be competent to respond, assess and act on any given emergency situation. All facility personnel should know the procedure for an emergency evacuation. When an alarm sounds or an emergency announcement is made, facility personnel should know how to react.

In the event of an emergency, and in the absence of an Emergency Management Coordinator, any employee has the power to declare an emergency and/or facility evacuation.

Responsibilities

All facility personnel have the following responsibilities:

- Be alert and aware of your surroundings. If you sense that an emergency situation may exist, communicate this to other personnel and/or the Departmental Leader;
- Employees are responsible for any visitors/contractors who are in their charge on-site when an evacuation is called;
- Preservation of property (company records, tools, etc.), including shut-down of equipment without risking life or limb; and
- Cooperate with and assist External Emergency Response teams (e.g. fire department, police, ambulance, doctors), as necessary.



Training and competency

All other employees not previously described will be trained to be competent in the following tasks:

- Location of emergency resources and equipment;
- Notification of appropriate internal and external contacts;
- Response to the emergency call and assessment of the emergency situation;
- Identification and declaration of an emergency situation; and
- Location of incident areas and Safe Gathering areas.

3.8 Visitors and Contractors

Visitors/Contractors consist of non-employees visiting the site for the purposes of business meetings, machine/equipment maintenance, construction, or other matters.

Gökirmak Copper Mine employees are responsible for any visitors/contractors who may be on-site when an evacuation is called. Visitors/Contractors should be accompanied at all times by a Gökirmak Copper Mine employee during the time he/she is at the Gökirmak Copper Mine facility. Employees are expected to be competent to respond, assess and act on any given emergency situation. All employees should know the procedure for an emergency evacuation. When an alarm sounds or an emergency announcement is made, all employees should know how to react.

Responsibilities

All Visitors/Contractors have the following responsibilities:

- Be alert and aware of your surroundings. If you sense that an emergency situation may exist, communicate this to Gökirmak Copper Mine personnel; and
- Cooperate with and assist External Emergency Response teams (e.g. fire department, police, medical), as necessary.

Training and competency

All Visitors/Contractors should be competent in the following tasks:

- Location of emergency resources and equipment;
- Notification of appropriate internal and external contacts;
- Response to the emergency call and assessment of the emergency situation;
- Identification and declaration of an emergency situation; and
- Location of incident areas and Safe Gathering areas.

3.9 References

- Major Dam Breach (Section 4.0)
- Evacuation Procedure (Section 5.0)
- Emergency Resources (Section 6.0)



3.10 Roles and Responsibilities

EMERGENCY RESPONSE RESPONSIBILITIES

- Ensure that emergency requirements have been requested;
- Ensure that members of the Emergency Control Group have been contacted and told to report to the Emergency Control Centre;
- Ensure that accurate records of events completed and maintained; and
- Report regularly to the Emergency Control Group in the Emergency Control Centre.

- Declaring an emergency;
- Directing all emergency operations;
- Declaring an evacuation;
- Cooperates with External Emergency Response teams;
- Give direction to Departmental Leaders and Fire/Crisis/First Aid Teams;
- Monitoring and approving incoming and outgoing calls/bulletins;
- Ensuring site plans are readily available;
- Declares when the area is safe to return to;
- Provide 'all-clear' signal to departmental leaders;
- Coordinates drills and tests of the emergency plan; and
- Investigating the emergency and assessing response.

- Assist the evacuation of the area;
- Know the incident area and the Safe Gathering areas;
- Know the location and use of emergency resources;
- Cooperates with and assist External Emergency Response teams
- Conduct sweep of work areas during evacuation;
- Conduct head-count at Safe Gathering areas;
- Communicate 'all-clear' signal;
- May assist with remedial action as follow up to incident;
- Assist Emergency Management Coordinator in the execution of drills and tests; and
- Assisting Emergency Management Coordinator in the investigation of the emergency.

- Maintain emergency resources and equipment ;
- Respond to the emergency call and assess the emergency situation;
- Ensure external response teams have been called;
- Attend to any accident victims;
- Declaring an emergency out-of-control if warranted;
- Preservation of property without risking life or limb;
- Cooperate with and assist External Emergency Response teams; and
- Assisting Emergency Management Coordinator s in the investigation of the emergency.

- Be alert and aware of your surroundings;
- Inform the Departmental Leader of any emergency situation ;
- Responsible for visitors/contractors on-site when an evacuation is called;
- Preservation of property without risking life or limb; and
- Cooperate with and assist External Emergency Response teams.

- Be alert and aware of your surroundings;
- Inform Gökirmak Copper Mine employees of emergency situation; and
- Cooperate with and assist External Emergency Response teams.

ON-SCENE CONTROLLER

First on the scene



EMERGENCY MANAGEMENT COORDINATOR

General Manager,
Mine Manager



DEPARTMENTAL LEADERS

- Managers;
- Superintendents; and
- Chief Engineers.



FIRE/CRISIS/FIRST AID TEAMS

- First Aid;
- Maintenance;
- Fire Control; and



ALL OTHER FACILITY PERSONNEL



VISITORS/CONTRACTORS



4.0 MAJOR DAM BREACH

4.1 Definitions

What is a major dam breach?

A major dam breach is a significant loss of containment of tailings from the TSF that escapes beyond the storm water diversion channel.

A major dam breach would/could result in the direct danger or the direct threat of danger to employees, local area citizens and/or the environment.

4.2 Hazard Areas

Which areas are at risk?

The impoundment of tailings presents a physical hazard due to the large mass of tailings, which upon sudden release could cause extensive physical damage. The tailings water quality may be considered hazardous, in that it is elevated in total dissolved solids, biological oxygen demand and sulphate concentrations.

The area most likely to be impacted in the event of a major dam breach is that area located directly downgradient of the Tailings Storage Facility. Hazard areas are highlighted on the attached Site Plan Schematic.

The worst case tailings basin failure would be a catastrophic failure of the main dam wall of the tailings impoundment area. Flooding downstream will occur in the Yılanlı stream, and most likely as well in the Gökirmak River where the stream joins the river at Hanönü.

4.3 Response

Responsibilities

All Gökirmak Copper Mine facility personnel have specific responsibilities in the event of an emergency situation, depending on their role in the emergency. These are described in detail in Section 2.0. The following should form the basis of the response to a failure of a critical structure:

What action do I take?

The first person at the scene of the incident assumes the role of On-Scene Controller. That person should:

- Immediately notify the Emergency Control Centre, to inform them of the incident and of response actions taken to that point. At that time, the On-Scene Controller should determine the severity of the incident and communicate that information to the Departmental Leader;
- Ensure that members of the Emergency Management Coordinator and the Emergency Control Group have been contacted and told to report to the Emergency Control Centre;
- Ensure that accurate records of events are completed and maintained;
- Report regularly to the Emergency Control Group in the Emergency Control Centre. Follow directions;
- The Emergency Control Centre will immediately notify the Fire/Crisis/First Aid Teams and then the Emergency Management Coordinator of the situation, who will in turn respond, assess and act on the incident;
- The Emergency Management Coordinator, in conjunction with the Emergency Control Group will;
- (As necessary) Assess the incident and determine whether the area should be evacuated. In the event that the decision is made to evacuate the area, see Section 4.0;
- (As necessary) Assess the incident to determine whether or not to notify any water intake station near Hanönü that might be affected to shut down; and



- (As necessary) Notify External Emergency Resources (e.g. fire department, police, doctors).

Note:

In the event that the incident has the potential to result in environmental impact, Gökirmak Copper Mine must notify the Environmental Protection Agency of Kastamonu Province and the Town of Hanönü.

(As necessary) The Fire/Crisis/First Aid Teams should then attend to any victims, in the following order of priority:

- 1) Breathing;
- 2) Bleeding;
- 3) Burns; and
- 4) Panic.

Cooperate with and assist External Emergency Response teams (e.g. fire department, police, doctors), as necessary.

Any notifiable incident should be reported by the Operator to the relevant authorities as detailed in Article 18 - Regulation on Prevention of Major Industrial Accidents and Reduction of Impacts, which is quoted below:

“REGULATION ON PREVENTION OF MAJOR INDUSTRIAL ACCIDENTS AND REDUCTION OF IMPACTS

Information to be provided by the operator after a major accident

ARTICLE 18 - (1) If the operator is involved in a major accident, the operator shall use the most appropriate means as soon as possible to do the following:

A) Notify the Governor of Kastamonu and the related municipality, Prime Ministry Disaster and Emergency Management Authority, the Turkish Public Health Authority, the Ministry of Environment and Urbanism and the Ministry of Labor and Social Security immediately and provide the following information about the accident:

- 1) The occurrence of the accident and development progress;*
- 2) Relevant dangerous substances and their quantities;*
- 3) Current data required for assessment of the effects of the accident on people and the environment; and*
- 4) Taken emergency measures.*

B) If a major accident occurring within the boundaries of the establishment satisfies at least one of the Large Industrial Accident Notification Criteria given in Annex-6, the operator shall fill in the form specified in paragraph (c) of this Article.

C) The Operator shall electronically upload the Large Industrial Accidents Notification / Reporting Form to the Ministry of Environment and Urbanization system within sixty days after the accident.”

Details of the incident should also contain the following information:

- The name of the Company;
- Contact person and telephone number;
- Location of incident; and
- Date, time, nature and duration of incident, including remedial actions taken.



4.4 Resources/ Contact List

Help list

- Dial 112 Emergency, request ambulance, fire vehicles and rescue units (see Section 5.0).
- First Aid rooms and supplies, including oxygen, recovery couches, blankets and stretchers are available at the Site (see Site Plan Schematic).

4.5 Training

What should I know?

- Everybody should be trained to react to a failure of a fundamental structure, with awareness and preparedness being the most important.
- All employees should be fully aware of the company emergency policy and procedures for evacuating the facility.
- Training will be provided during new employee orientation, and incorporated into annual health & safety meetings to review responsibilities and procedures.
- For more specific details on training requirements, refer to Section 2.0.

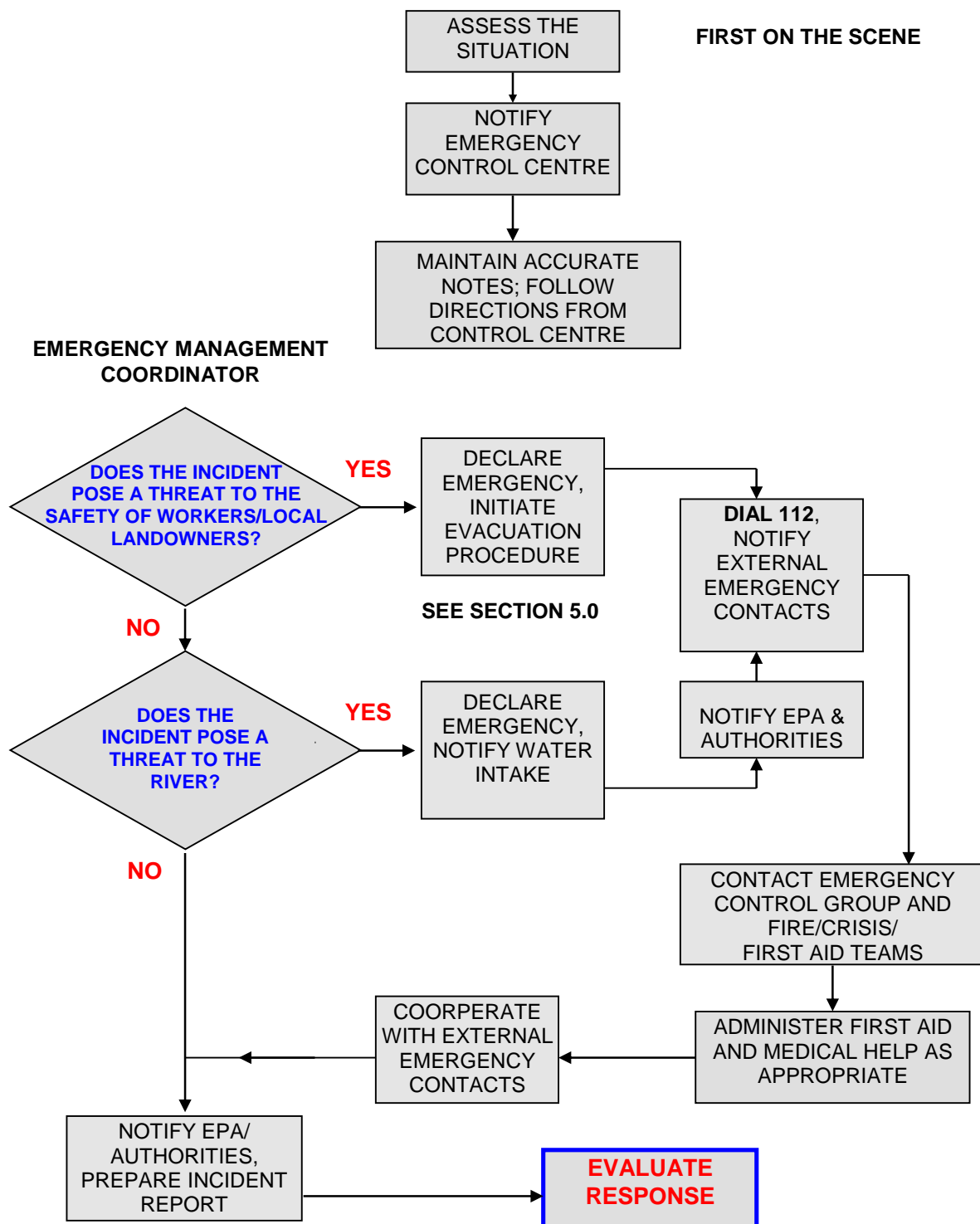
4.6 References

- Roles and Responsibilities (Section 2.0)
- Emergency Evacuation Procedure (Section 4.0)
- Emergency Resources (Section 5.0)



4.7 Major Dam Breach

EMERGENCY RESPONSE DECISION TREE





5.0 EVACUATION PROCEDURE

5.1 Authority to Declare Evacuation

Who decides to evacuate?

After identifying and assessing the emergency situation, the Emergency Management Coordinator may declare an evacuation. In the absence of the Emergency Management Coordinator, any member of the Emergency Control Group has the authority to declare an emergency situation and call an evacuation.

The On-Scene Controller is, by definition, the first person to arrive at the scene of the incident, and acts as the eyes of the Emergency Control Group. The first person on the scene must be able to determine the severity of the situation and communicate this information to the Emergency Control Centre. The Emergency Control Centre will be contacted by the On-Scene Controller and informed of the incident, as well as of any response activities conducted to that time.

5.2 Evacuation Alarm

How will I know to initiate evacuation procedures?

The evacuation alarm will be given over the loudspeaker system and/or (as a backup) by a hand-held megaphone.

The loudspeaker system will issue an alarm consisting of a series of high pitched notes in rapid succession, similar to an air-raid siren.

Communication with local landowners

If possible, members of the Emergency Control Group will traverse the hazard area by means of all-terrain vehicles to communicate the emergency situation to local landowners.

The loudspeaker alarm at the Gökirmak Copper Mine facility will be accompanied by instructions relayed by the Emergency Control Group from the all-terrain vehicle over a hand-held megaphone. The person(s) giving the alarm will:

- State the nature of the emergency;
- Tell people to evacuate;
- Give the direction in which people should leave the area; and
- Give the location where everyone should gather (Safe Gathering Areas).

SRM recommended the following:

- All stakeholders including general public and schools should be informed about the evacuation alarm and procedures to follow after the evacuation alarm is activated. At schools evacuation alarm demo can be performed and procedures explained in case it is activated.
- The evacuation strategy should be described in a non-technical manner by using illustrations etc. that will be visible to all members of the public and relevant public institutions. Safe gathering areas should be made available to public and relevant public institutions. The safe gathering areas can also be drawn on a map and hang on walls of major public stakeholders and schools as part of the dissemination strategy.

5.3 Evacuation Procedure / Safe Gathering Areas

What action do I take?

After hearing the evacuation alarm, citizens should immediately stop what they are doing and proceed in an orderly fashion to the nearest and safest exit.



Emergency Control Group and Fire/Crisis/First Aid Team personnel will assist this process by encouraging citizens to remain calm and directing citizens to the closest Safe Gathering Area.

After evacuation, citizens and other affected persons should gather in the closest Safe Gathering Area, as shown on the Site Plan Schematic (Figure 2 – attached). Citizens should move to this designated area as quickly as possible. If this area is unsafe, an alternative will be announced over the loudspeaker system.

The areas are as follows:

- Safe Gathering Area A – Town of Hanönü Community Hall;
- Safe Gathering Area B – Local School; and
- Safe Gathering Area C – Gökirmak Copper Mine Processing Plant.

After an evacuation is called and if conditions permit, the Emergency Control Group and the Fire/Crisis/First Aid Team will sweep the affected area to ensure that all persons are evacuated. The Emergency Control Group and the Fire/Crisis/First Aid Team will then proceed to the designated meeting area and conduct a head count.

Any persons not accounted for should be reported immediately to the Emergency Management Coordinator, who will coordinate rescue efforts if required.

5.4 Return to the Area

When can I go back to the affected area?

No person shall return to the affected area after evacuation until authorized to do so by the Emergency Management Coordinator and/or an authorized External Emergency Contact. Only the Emergency Management Coordinator (in conjunction with a recognized outside authority, if available) can sound the all-clear alarm and declare the area safe for return.

The loudspeaker system will issue an alarm consisting of a single, continuous high pitched tone to signal an all-clear status.

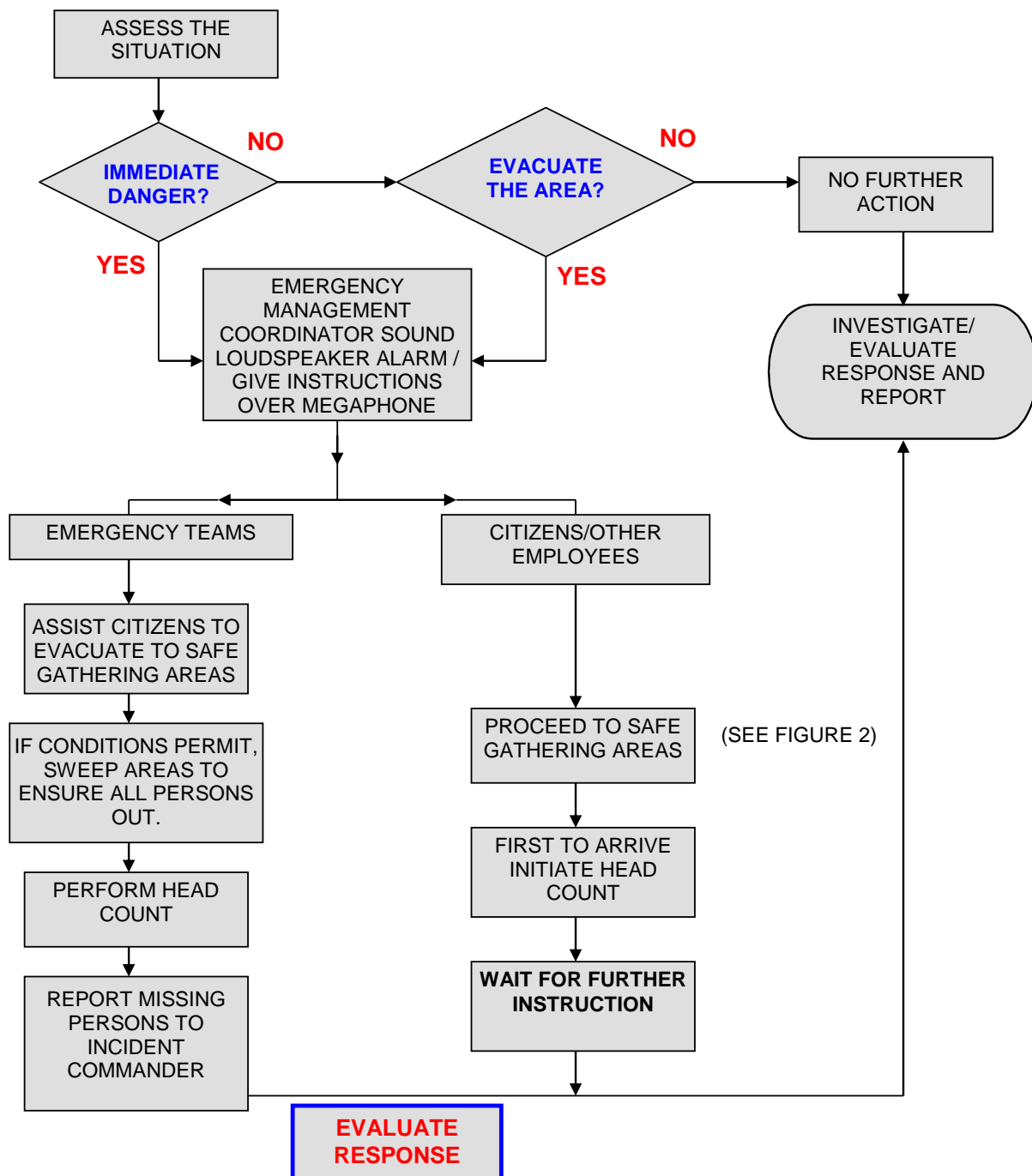
5.5 References

- Roles and Responsibilities (Section 2.0)
- Major Dam Breach (Section 3.0)
- Emergency Resources (Section 5.0)



5.6 Evacuation Procedure

EMERGENCY RESPONSE DECISION TREE





6.0 EMERGENCY RESOURCES

6.1 Emergency Contact List

Dial 999 Emergency - **Police**, **Fire**, Ambulance

External Emergency Resources

Contact	Phone Number
Gendarmerie	156
Police	155
Traffic	154
Emergency (Ambulance)	122
Fire	110
Forest Fire	177
Power Failure Inquiry	186
AFAD (Disaster Call Center)	122
Peace Officer	153
Poison Consulting	114
Water Failure Inquiry	185
Governorship Call Center	179
Unknown Numbers	118
Municipality of Hanönü	0366 497 5194
The Mayor of Taşköprü	0366 417 10 58
The Mayor of Kastamonu	0366 214 10 48
The Governor/Deputy of Kastamonu	0366 214 14 45
The Governor of Hanönü	0366 497 55 56
Ministry of Energy and Natural Resources	0312 212 64 20
Ministry of Labor and Social Security	0312 296 60 00
Ministry of Environment and Urbanisation	0312 410 10 00
Social Insurance Institution - Kastamonu	0366 214 16 18
State Hospital - Taşköprü	0366 147 10 32
State Hospital - Kastamonu	0366 214 10 53
Civil Defense of Kastamonu	0366 214 14 45
Turkish Coal Enterprise (TKİ)	0312 540 10 00



KEPEZKAYA TSF EMERGENCY PREPAREDNESS PLAN

Contact	Phone Number
Turkish Bituminous Coal Enterprise (TTK)	0372 259 40 00
Prime Ministry Disaster & Emergency Management Authority (AFAD)	0312 258 23 23
International Medical Rescue Team (UMKE)	0312 432 26 06
Kastamonu Provincial Directorate of Health	0366 214 10 66

Internal Emergency Resources

Acacia Mining Operations Inc. - Gökırmak Copper Project		
Contact	Telephone Number	Name
CEO	0312 440 99 22	Zeki Sayılır
General Manager	3012 0530 940 38 19	Yusuf Tuncel
OHSE Manager	0538 095 10 41	Demirhan Çelik
Central Security Office	3004 0535 853 57 94	Faruk Kapusuz
Environmental Superintendent	0538 574 78 27	Uygar Saylam
Health and Safety Superintendent	0530 173 05 69	Mehmet Kök
Plant Director	3027 0530 940 82 79	Cenk Üretencan
Geology Chief Engineer	3016 0530 235 93 12	Deniz Arslan
Director of Public Relations	3013 0531 685 12 70	Hakan Karan
Project Director	1136 0530 498 55 26	Savaş Aktaş
Human Resource Manager	0538 574 78 33	Başak Köker
Workplace Doctor	0505 350 94 03	Ahmet Yıldırım
Maintenance Manager	3024 0530 555 60 09	Ercan Doğan
Mine Planning Manager	0530 469 79 26	Gökhan Ünal
Construction Site Chief	0530 555 60 10	İlker Gür
Construction Site Chief	0530 940 31 52	Selçuk Kaya



Report Signature Page

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DRAFT FOR REVIEW

Hans Otto
Senior Tailings Engineer

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Principal

23 January 2017

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