Domain	EMERGENCY RESPONSE			
MMDD's item no. for the question which includes the observation identified by the RMGC internal code	43 Abrud, 25.07.2006			
MMDD's identification no. for th question which includes the observation identified by the RM internal code				
RMGC internal unique code	MMGA_0143			
Proposal What plan	has the company in place in case of dam failure?			
	to legal provision in force [1], an <i>Emergency Preparedness and Spill Contingency Plan</i> has been d (Plan I, vol. 28) whose updated version will be attached to the answer as Annex 5.2.			
	al Emergency Plan will be drawn up before starting operations, in accordance with <b>Government</b> <b>no 95/2003</b> and <b>Ministerial Order no 467/2005</b> of the Ministry of Administration and M.A.I.).			
authoritie	pany will provide the necessary information for the drawing up, by the competent local s, of the <i>External Emergency Plan</i> (in accordance with <b>Government Decision no 95/2003 and al Order no 467/2005 of the M.A.I.</b> ).			
that com safety lev	osed construction of the Corna Dam, intended to contain the tailings, is based on design criteria oly with Romanian and international standards. These criteria are meant to ensure maximum els during the construction, operational, closure and post-closure stages. They include flood iteria, safety factors for slope stability and seismic design criteria etc.			
measurin	Based on the criteria previously mentioned, the dam has been designed to withstand an earthquake measuring 8 on the Richter scale. No such event has ever occurred on the Romanian territory and it is hard to imagine the mechanism that could cause such an event in the future.			
Solution - the resu dow - the dow - the 3H: - a dr dam - a m rega exce - imp Under the	design elements that ensure the dam's increased safety include the following: lam has been designed to retain water resulting from 2 consecutive PMFs; each dam rise, a spillway will be constructed to discharge, in a controlled way, the excess water lting from potential extreme events. This will help to prevent the erosion of the dam's nstream slopes; rockfill starter dam has an impervious core and an embankment slope measuring 2H:1V nstream and 1.75H:1V upstream; nain dam – the Corna rockfill dam, of centerline construction and downstream slopes measuring .V; ainage system at the bottom of the tailings management facility and a filter layer between the rockfill and tailings, to reduce humidity and consolidate the stored material; onitoring system set up on the dam's crest or on its vicinity, to provide timely information rding potential instability situations, excessive rise of the groundwater in the dam body, ssive increase of the water volume stored in the decant pond; ementation of a strict Quality Assurance program, during the entire construction period.			
noncomp worst cas	iance with the construction methodology have led to dam failure. These scenarios represent the escenarios that could be identified, taking into account the technical characteristics of the TMF. rios are presented in detail in Chapter 7, the EIA Report, subchapter 6.4.3, pages 117-121).			

Referred to subchapters 6.4.3.2 and 6.4.3.6 we like to mention that a new and much more precise and realistic simulation has been subsequently established based on the INCA Mine model, that considers the

dispersion, volatilisation and breakdown of cyanides during the downstream movement of the pollutant flow (Whitehead et al., 2006). The new study has been attached to the Report on Environmental Impact Assessment Study (Annex 5.1).

References:

[1]

- The Emergency Governmental Ordinance no. 195 /2005 on environmental protection;
- Law no. 107/1996- Water Law, amended by Law no. 310/2004 and Law no. 112/2006.
- The Order no. 638/2005 of the Ministry of the Environment and Water Management and Order no. 420/SB/2005 of the Ministry of Administration and Interior on the approval of the Regulation regarding the management of emergency situations caused by floods, hazardous meteorological events, accidents involving hydrotechnical structures and accidental pollutions and for the approval of the Framework for the purchase of materials and devices used for protection against floods, winter emergencies and accidental pollution;
- Order no 278/1997 of MEWM on the approval of the framework methodology for the drawing up of plans to prevent and fight accidental pollution caused by the use of potentially polluting water;
- **Government Decision no. 2288/2004** on the approval of the assignment of responsibilities undertaken by the ministries, other central institutions and non-governmental organizations regarding the prevention and management of emergency situations;
- The Emergency Governmental Ordinance no 21/2004 on the national management system for emergency situations;
- Order no 161/2006 of MEWM on the approval of the standard regarding a classification of surface water quality with a view to assessing the ecological state of water bodies.

MMDD's item	no for the question			
MMDD's item no. for the question which includes the observation identified by the RMGC internal code MMDD's identification no. for the question which includes the observation identified by the RMGC internal code RMGC internal unique code		482 Arad, 25.08.2006		
		Proposal	What will the the two dams	Romanian authorities and the Canadian company do in case of a geological event e.g. in case collapse.
	will act in acco - Inter - Emer	y event that such an accident would occur, the Romanian authorities along with the operator ordance with the emergency plans provided for by the existing legislation: nal Emergency Plan rgency Preparedness and Spill Contingency Plan rnal Emergency Plan		
olution	<ul> <li>The a</li> <li>Local</li> <li>Action comm</li> <li>First</li> <li>The p town</li> <li>The s the e and r</li> <li>Implededive accid cham</li> <li>Acciding that comply v safety levels of control criteria</li> </ul>	ergency response actions are the following [1]: aforementioned plans are to be immediately implemented; l and on-site units are to be immediately alerted and deployed; ons should be coordinated with the external emergency plans applicable to the local munities; aid assistance; people living downstream of the secondary containment dam and the residents of the Abrud a are to be immediately notified of the accident and possibly evacuated; site manager and the local, regional and national authorities are to be promptly notified. In event of an alert on possible terrorist attacks, the representatives of the relevant regulatory military institutions are to be notified; ementation of the emergency systems, closure of the process plant and of the tailings ery pipes, consolidation works carried out to the extent required by the nature of the ent ( breach repairs, backfilling, reinforcement works, construction of dikes and diversion nels); lent investigation and implementation of corrective and preventive measures; ementation of the Corna Dam, intended to contain the tailings, is based on design criteria with Romanian and international standards. These criteria are meant to ensure maximum during the construction, operational, closure and post-closure stages. They include flood a, safety factors for slope stability and seismic design criteria etc criteria previously mentioned, the dam has been designed to withstand an earthquake		
	measuring 8 c hard to imagin The main desi - the d - with wate: down - the r down - The meas	on the Richter scale. No such event has ever occurred on the Romanian territory and it is the the mechanism that could cause such an event in the future. gn elements that ensure the dam's increased safety include the following: lam has been designed to retain water resulting from 2 consecutive PMFs; each dam rise, a spillway will be constructed to discharge, in a controlled way, the excess r resulting from potential extreme events. This will help to prevent the erosion of the dam's instream slopes; rockfill starter dam has an impervious core and an embankment slope measuring 2H:1V instream and 1.75H:1V upstream; main dam – the Corna rockfill dam, of centerline construction and downstream slopes suring 3H:1V; inage system at the bottom of the tailings management facility and a filter layer between the		

rock fill and the tailings, to reduce humidity and consolidate the stored material;

- a monitoring system set up on the dam's crest or on its vicinity, to provide timely information regarding potential instability situations, excessive rise of the groundwater in the dam body, excessive increase of the water volume stored in the decant pond;
- implementation of a strict Quality Assurance program, during the entire construction period.

Under these circumstances, an accident resulting in dam failure is highly unlikely. However, hypothetical scenarios have been imagined, based on the assumption that the technical errors resulting from noncompliance with the construction methodology have led to dam failure. These scenarios represent the worst case scenarios that could be identified, taking into account the technical characteristics of the TMF. The scenarios are presented in detail in Chapter 7, the EIA Report, subchapter 6.4.3, pages 117-121).

Referred to subchapters 6.4.3.2 and 6.4.3.6 we like to mention that a new and much more precise and realistic simulation has been subsequently established based on the INCA Mine model, that considers the dispersion, volatilisation and breakdown of cyanides during the downstream movement of the pollutant flow (Whitehead et al., 2006). The new study has been attached to the Report on Environmental Impact Assessment Study (Annex 5.1).

Reference: [1] Chapter 5, *the Security Report* 

Domain		EMERGENCY RESPONSE		
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		3115		
question whic	ification no. for the h includes the lentified by the RMGC	Nr. 112129/25.08.2006		
RMGC interna	l unique code	MMGA_1386		
Proposal	What will hap	ppen in case of ecological accident?		
	the foreign m question refe project, whicl	ological accident", although quite frequently used in the Romanian media and sometimes, in nedia, is not clearly defined and therefore leaves room for interpretation. We suppose that the ers to a potential accident that might occur on the mining site or to an accident related to the h could cause negative effects on the environment.		
	Chapter 7 in the Environmental Impact Assessment Report assesses the risk of occurrence of such accidents, based on various hypothetical scenarios. The assessment also takes into account the effects that the potential accidents could have on the environment.			
	Subchapter 2 mainly deals with the hazards and risks posed by natural factors.			
Solution	Subchapter 3 deals with technological hazards and risks.			
	Subchapter 4 assesses in detail the main scenarios of occurrence of potential accidents during the three stages of the project: construction, operations and closure.			
	Subchapter 5 deals with transport-related hazards and risks of accidents that might occur on the site, as well as on the transportation routes used for the supply of materials and raw materials, as well as for the delivery of the products obtained to the consignee.			
	Major potential accidents are assessed in subchapter 6.			
	Subchapter 7 situation.	describes in detail the method of intervention applied in case of an accident or emergency		

Domain		EMERGENCY RESPONSE
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		749
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Nr. 109706/21.08.2006 si Nr. 75023/21.08.2006
RMGC internal	l unique code	MMGA_1529
Proposal		y safety project agreed with an authorized operator for civilian defense and natural disas in the use of explosives and hazardous chemicals.
		plosives and hazardous substances by RMGC (the operator) is covered by the authorizate totality of the company's operations, in accordance with the legislation in force.
Solution	provided to t internet addre	e Environmental Impact Assessment (E.I.A.), a Security Report has been developed and he authorities once with the E.I.A. It was made available to the public at the follow ess <u>http://www.mmediu.ro/dep_mediu/rosia_montana_securitate.htm</u> . Printed copies ilable at various information centers, in view of the public debate process.