Domain		HEALTH
which include	no. for the question is the observation the RMGC internal	7
question whic	tification no. for the ch includes the Jentified by the RMGC	Câmpeni, 26.07.2006
RMGC interna	l unique code	MMGA_0026
Proposal	The human's	health will be destroyed on a 100Km radius.
Solution	100 km radiu The assessme concentration localities in t current distri predictions w which are low effects on the However, whi currently face commune is measures mu mentioned al adverse effect	ent of possible risks for human health has been carried out on the basis of the estimated a distribution of hazardous substances in Roşia Montană, taking into account more than 40 the neighboring area, covering more than 200 km ² . The assessment considers the known ibutions and concentrations of hazardous substances within the study area, and the future <i>ri</i> th relation to the proposed mining activities. It is clear that the estimated concentrations, wer than the maximum permissible concentrations (MPC), do not cause significant adverse e local population's health [1]. ile the proposed mining activities have not started at Roşia Montană, the local population is ed with health problems, in the sense that the health status of the local residents in the deficient as compared to that of the neighboring population groups. Consequently, clear st be taken to improve the health of the Roşia Montană local residents. At the same time, as bove, sitting and operating the proposed mine will not cause any other supplementary ts on the local population's health, as long as the distribution of the pollutant concentrations n studied complies with the dispersion models shown in the present study (EIA).
		.6, Results and Discussions, page 124-129, vol. 5, Health Baseline Report

Domain		HEALTH
which includes	o. for the question the observation e RMGC internal	80
question which	fication no. for the includes the entified by the RMGC	Câmpeni, 26.07.2006
RMGC internal	unique code	MMGA_0198
Proposal	Although RM Montana	GC speaks about historic pollution, there are people of 80, 90 years old who live in Rosia
Solution	80 or 90 with The assessme localities situa case of the Ro comparison w away. Some of environment. Europe, or all presence of p expectancy in data collected community is important is	tion do not exclude people aged 80, 90 living there, and despite the presence of people aged in Roşia Montană population, the commune shows the lowest life expectancy in the area [1]. ent of the population's health status in the Roşia Montană commune, as well as in other ated nearby or farther away, has shown a higher frequency of severe chronic diseases in the osia Montană local population. This population group is characterized by deficient health in with the population groups living in its immediate vicinity or in localities situated farther of the investigated diseases have been significantly linked to the current quality of the It should be noted that in some polluted areas in Romania (Copşa Mica, Baia Mare), in over the world, people can sometimes reach the age of 80 or 90. Nevertheless, despite the eople aged 80 or 90 within the Roşia Montană population, the area shows the lowest life the whole region, compared both to urban zones (Abrud, Câmpeni), rural areas (Bistra) or to at regional and national level [1]. In conclusion, the existence of people aged 80 or 90 in a s irrelevant when researching the average lifespan of people living in a locality. What is an indicator such as life expectancy, allowing a comparison between different population g from different places.

[1] Table 3-2, Figure 3-2, Chapter 3, Demographic data, page 14-15, vol. 5, Health Baseline Report

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		104
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Câmpeni, 26.07.2006
RMGC interna	l unique code	MMGA_0237
Proposal		related to the fact that women may give birth to babies with congenital malformations vith cyanides or complex metals, like uranium?
		ibstances considered within the EIA to be a risk (including cyanides) have been asses the concentrations that are predicted to be present as a result of the proposed min
Solution	risk assessme within the er	to human health risks (including congenital malformations) predictions made as part of nt have indicated no harmful effects [1] in relation to the concentrations of these substar nvironment if the concentrations in question are predicted to be below the permiss ncentrations, as it was estimated in the EIA.
		rt does not mention the presence of uranium within the local environment. Therefore, it o carry out an assessment of the local population's health with regard to uranium exposur
	Reference:	6, Results and Discussions, page 124-129, vol. 5, Health Baseline Report

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		123
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Alba Iulia, 31.07.2006
RMGC internal u	nique code	MMGA_0278
Proposal		must be dealt very seriously, for the reason that Alba County is the most polluted county in due to the formaldehydes from Sebes and to the stripping activities developed at Rosia
	Montană and impacted by t county.	hyde generated by Sebeş plant has definitely no impact on the local residents from Roşia I nearby area. The health risk assessment has been carried out for Roşia Montană area the mining project, and has not taken into account other industrial facilities located in Alba sue has been and continues to be dealt with very seriously. In this respect, health baseline
Solution	conditions ha farther away. diseases for a Medical data in the study indicators suc from Roşia M as when com mortality rate population's cardiovascula	we been assessed for Roşia Montană commune as well as for other areas located nearby or Thus, the assessment has taken into account all chronic diseases and most of the acute period of five years [1] and for more than 40 localities [2] situated in the investigated area. has been collected from all general practitioners in the area, as well as from the two hospitals area. Demographic data has also been collected to assess the dynamics of important thas: life expectancy, mortality, birth rate etc. The findings have shown that the population lontană has the lowest life expectancy when compared to other localities in the area, as well pared at regional and national level [3]. At the same time, the commune presents a high e [4] and low natality rate [5] as compared to the nearby area. Also, the assessment of the current health status shows a higher frequency of severe chronic diseases (respiratory, r) in the local residents from Roșia Montană as compared to the residents from the other calities situated in the investigated area [6].
		, it is quite clear that the health assessment for the population living in the investigated area densive one [7], and also the fact that the afore mentioned population health status is eriorated.
	 [2] Table 5-1, [3] Table 3-2, [4] Table 3-3, [5] Table 3-1, [6] Annex, page 	er 5.1.2, Chapter 5, <i>Morbidity Study</i> , page 54, vol. 5, <i>Health Baseline Report</i> Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, vol. 5, <i>Health Baseline Report</i> Figure 3-2, Chapter 3, <i>Demographic Data</i> , page 14-15, vol. 5, <i>Health Baseline Report</i> Figure 3.3, Chapter 3, <i>Demographic Data</i> , page 16, vol. 5, <i>Health Baseline Report</i> Figure 3.1, Chapter 3 <i>Demographic Data</i> , page 13, vol. 5, <i>Health Baseline Report</i> ge 137, vol. 5, <i>Health Baseline Report</i> <i>Ith Baseline Report</i>

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		130
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Alba Iulia, 31.07.2006
RMGC internal unique code		MMGA_0299
Proposal	EIA presents a	a series of inconsistencies such as, for example, these two health baseline conditions.
	There are no i	nternal inconsistencies in the report.
	This is a comp	prehensive study, one of the few spatial representations of this kind in the whole country.
Solution	population fro sample group, status of the study area ha <i>Diseases Revisi</i> groups was ca hospitals in th was undertake localities, cleat <i>Baseline Report</i> a questionnait	<i>iseline Report</i> is scientifically representative because it involved the study of the entire local om more than 40 localities [1] across a very large area of more than 200 km ² - not just a . The volume is made up of two parts. The first one describes in detail the current health population from the study area. The assessment of the population's health status in the as considered 87 international ICD 10 classification codes (<i>International Classification of</i> <i>ion 10</i>) [2] elaborated by World Health Organization. Health assessment for these population rried out by collecting all medical data from all local general practitioners and from the two he study area over a period of 5 years [3]. The analysis of the frequency of diseases researched en using a computerized geographic system which indicates the differences between various rly showing variation in the frequency of diseases from one place to another [4]. The <i>Health</i> <i>t</i> also comprises a chapter considering a number of habits, workplace exposures etc, based on re applied to 141 people from the investigated area; however this type of information was e assessment of the local population health status [5].
	Montană is ch	<i>seline Report</i> also comprises a chapter considering demographic data which shows that Roşia naracterized by the lowest life expectancy [6] as well as a higher frequency of severe chronic compared to the other localities.
	environmenta predicted qua	part of the study consists of the correlation between the investigated diseases and the al conditions carried out based on the baseline health conditions and on baseline and lity of environmental factors. The assessment did not show any significant increase in the he investigated diseases after starting the mining activities [7].
	[2] Table 5-3, [3] Subchapte: [4] Annex, pag [5] Subchapte: [6] Table 3-2, 2	Subchapter 5-1, Chapter 5, Morbidity Study, page 52-53, vol. 5, Health Baseline Report. Chapter 5, Morbidity Study, page 54-56, vol. 5, Health Baseline Report. r 5.1.2., Chapter 5, Morbidity study, pages 54, vol. 5, Health Baseline Report. ge 137, vol 5, Health Baseline Report. r 4.1.3., Questionnaire of chapter 4, pages: 23-51 vol. 5, Health Baseline Report. Figure 3-2, Chapter 3, Demographic Data, page 14-15, vol. 5, Health Baseline Report. 6, Results and Discussion, pages 124-129, vol. 5, Health Baseline Report.

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		130
question whic	ification no. for the h includes the lentified by the RMGC	Alba Iulia, 31.07.2006
RMGC interna	l unique code	MMGA_0302
Proposal	records which	Iseline Study is not relevant; there is no sampling rate, it has no scientific basis. The medical have been analysed (141 records) can't describe the entire community. The questioner tten answer to be sent by a statistician and sociologist in this regard
	in the area. Th a 141 populat The <i>Health Ba</i> population fro sample group data from all years [2]. Th	seline Report is scientifically representative because it involved the study of the entire local om more than 40 localities [1] across a very large area of more than 200 km ² - not just a . Health assessment for these population groups was carried out by collecting all medical local general practitioners and from the two hospitals in the study area over a period of 5 e assessment of the population's health status in the study area has considered 87
Solution	by World Heat Consequently medical recor comprises a c applied to 143	ICD 10 classification codes (<i>International Classification of Diseases Revision 10</i>) [3] elaborated th Organization. A specific morbidity indicators have been calculated on the basis of the entire number of ds, for the majority of diseases reported on a large area. The <i>Health Baseline Report</i> also hapter considering a number of habits, workplace exposures etc, based on a questionnaire 1 people from the area investigated; however this type of information was not used in the the local population health status [4].
	corresponding area and with taking into co	stress the fact that the health indicators presented are based on medical records g to a long period of time (5 years), registered with all general practitioners present in the the two local hospitals. Considering that the health assessment has been carried out by insideration the entire local population with medical records and so not just a sample, we here is no other more comprehensive approach possible in this respect.
	[2] Subchapte [3] Table 5-3,	Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, vol. 5, <i>Health Baseline Report.</i> r 5.1.2, Chapter 5, <i>Morbidity Study</i> , page 54, vol. 5, <i>Health Baseline Report.</i> Chapter 5, <i>Morbidity Study</i> , page 54-56, vol. 5, <i>Health Baseline Report.</i> r 4.1.3, <i>Questionnaire of Chapter</i> 4, pages: 23-51, vol. 5, <i>Health Baseline Report.</i>

Domain MMDD's item no. for the question which includes the observation identified by the RMGC internal code		HEALTH 193	
RMGC interna	l unique code	MMGA_0374	
Proposal	Who do Roma health?	anian authorities defend; do they defend the Canadian company or the population and their	
		<i>aseline Report,</i> with it's assessments of baseline health conditions and of risks, does not fend RMGC (the 'Canadian company'?).	
	population fra sample group status of the study area ha Diseases Revisa groups was ca hospitals in th was undertak localities, clea Baseline Repor questionnaire	<i>useline Report</i> is a scientifically representative analysis involving the study of the entire local om more than 40 localities [1] across a very large area of more than 200 km ² - not just a b. The volume is made up of two parts. The first one describes in detail the current health population from the study area. The assessment of the population's health status in the as considered 87 international ICD 10 classification codes (<i>International Classification of ion 10</i>) [2] elaborated by World Health Organization. Health assessment for these population wried out by collecting all medical data from all local general practitioners and from the two he study area over a period of 5 years [3]. The analysis of the frequency of diseases researched en using a computerized geographic system which indicates the differences between various rly showing variation in the frequency of diseases from one place to another [4]. The <i>Health</i> <i>t</i> comprises a chapter considering a number of habits, workplace exposures etc, based on a explied to 141 people from the area investigated; however this type of information was not sessment of the local health status [5].	
Solution	Montană is ch diseases (the Montană whe between the i health conditi	<i>iseline Report</i> also comprises a chapter considering demographic data which shows that Roşia haracterized by the lowest life expectancy [6] as well as a higher frequency of severe chronic frequency of severe chronic respiratory and cardiovascular diseases is higher in Roşia en compared to the other localities). The second part of the study consists of the correlation investigated diseases and the environmental conditions, carried out based on the baseline ions and on baseline and predicted quality of the environmental factors [7]. ealth risk assessment shows that the proposed mining operations do not have the potential lth problems for the local population [8] as long as the concentrations of hazardous	
	substances in References: [1] Table 5-1, [2] Table 5-3, [3] Subchapte [4] Annex, pag [5] Subchapte [6] Table 3-2, [7] Chapter 6	Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, vol. 5, <i>Health Baseline Report</i> . Chapter 5, <i>Morbidity Study</i> , page 54-56, vol 5, <i>Health Baseline Report</i> . r 5.1.2, Chapter 5, <i>Morbidity Study</i> , page 54, vol. 5, <i>Health Baseline Report</i> . g 137, vol. 5, <i>Health Baseline Report</i> . r 4.1.3., <i>Questionnaire of Chapter 4</i> , pages: 23-51 vol. 5, <i>Health Baseline Report</i> . Figure 3-2, Chapter 3, <i>Demographic Data</i> , page 14-15, vol. 5, <i>Health Baseline Report</i> . <i>Risk Assessment</i> , pages 60-129, vol.5, <i>Health Baseline Report</i> . 6, <i>Results and Discussions</i> , pages124-129, vol.5, <i>Health Baseline Report</i> .	

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		193
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Cluj Napoca, 07.08.2006
RMGC internal	unique code	MMGA_0375
Proposal	In 1929 Baia Mare had 950 cancer patients, in 2004, and following Transgold activity Baia Mare had 1,50 cancer patients due to cyanide usage in closed circuit, open environment.	
	The Health Bas	seline Study was carried out for Roșia Montană area not for Baia Mare.
Solution	During the 20 th century there was a significant increase in the number of cancer cases reported worldwide This is due to two reasons: first because of improved diagnosis techniques developed by the end of the 20 th century as compared to the beginning of the century; and second, there was a true increase in the occurrence of the disease throughout the century.	
	significant inc	clear evidences in the medical literature in order to show a correlation between th rease in the number of cancer cases and the community's exposure to cyanide at the cyanid s estimated in the EIA report.

Domain		HEALTH
which include	no. for the question s the observation he RMGC internal	196
question whic	ification no. for the h includes the lentified by the RMGC	Cluj Napoca, 07.08.2006
RMGC interna	l unique code	MMGA_0384
Proposal	Montana; the generates gold	of cancer occurrences in the area increased due to the open cast mining of Eurogold in Rosia e polluting effect will amplify and will supplement the existing pollution. The blasting den dust which is drawn by the air flow and spread on large distances; this generates a hazard miosis for the population.
	be linked to tl	ner is suggesting that an increase in the occurrence of cancer has occurred then this can not he proposals because implementation has not yet begun. If the questioner is suggesting that e of cancer will increase then this is not supported by the scientific evidence produced in the <i>e Report</i> .
		n the population's health status with regard to specific diseases have shown that once the erations begin there will be no significant increase in the frequency of the investigated
Solution	related to blas of the investig as a result of estimated to	ealth risk assessment has not taken into consideration subjective situations (e.g. questions sting operations) but objective, measurable situations, such as the concentration distribution gated hazardous substances in the environmental media characterizing the residential areas, the activities developed in the exploitation area as they were predicted. If the concentrations occur in the residential areas had the potential to cause adverse effects on human health, by literature as well as the maximum permissible concentrations would have to be reviewed al level.
	Reference: [1] Chapter 6.	6, Results and Discussions, pages 124-129, vol. 5, Health Baseline Report

Domain		HEALTH
MMDD's item no which includes t identified by the code		214
question which	cation no. for the includes the ntified by the RMGC	Cluj Napoca, 07.08.2006
RMGC internal u	nique code	MMGA_0441
Proposal		er speaks to the young ladies, underlying the fact that this project will lead to deliveries of malformations or even miscarriages.
	(young ladies) substances in	nt has taken into account all age groups, including the group mentioned in the question). The risk assessment has concluded that exposure of the population to the hazardous the study will not cause any adverse effects to the health of local residents based on centrations in the environment.
Solution	according to activities. Wit indicated no environment	bstances considered within the EIA to be a risk (including cyanides) have been assessed the concentrations that are predicted to be present as a result of the proposed mining th regard to human health risks predictions made as part of the risk assessment have harmful effects [1] in relation to the concentrations of these substances within the if the concentrations in question are predicted to be below the permissible maximum s, as it was estimated in the EIA.
	environmenta predicted qua	part of the study consists of the correlation between the investigated diseases and the l conditions, carried out based on the baseline health conditions and on baseline and lity of environmental factors. The assessment did not show any significant increase in the he investigated diseases after starting the mining activities [2].
	-	Risk Assessment, pages 60-129, vol. 5, Health Baseline Report 6, Results and Discussions, pages124-129, vol. 5, Health Baseline Report

Domain		HEALTH	
which includes	no. for the question s the observation he RMGC internal	252	
question whicl	ification no. for the h includes the entified by the RMGC	Cluj Napoca, 07.08.2006	
RMGC internal	unique code	MMGA_0516	
Proposal	representativ questioner st	her makes the following observations and comments :The Health Baseline Report is no e. The questioner would like to know what localities were considered for this report. Th fates that the criteria for the selection of the localities and inhabitants considered in the not complied with because the subjects were not selected accordingly and their distribution i	
	just a sample health status the study are <i>Diseases Revis</i> groups was ca hospitals in th was undertak localities, clea <i>Baseline Repor</i> a questionnai	opulation from more than 40 localities [1] across a very large area of more than 200 km ² - no e group. The volume is made up of two parts. The first one describes in detail the current of the population from the study area. The assessment of the population's health status is a has considered 87 international ICD 10 classification codes (<i>International Classification c</i> <i>tion 10</i>) [2] elaborated by World Health Organization. Health assessment for these population arried out by collecting all medical data from all local general practitioners and from the two the study area over a period of 5 years [3]. The analysis of the frequency of diseases researche ten using a computerized geographic system which indicates the differences between various arrly showing variation in the frequency of diseases from one place to another [4]. The <i>Healt</i> <i>rt</i> also comprises a chapter considering a number of habits, workplace exposures etc, based of ire applied to 141 people from the area investigated; however this type of information was no assessment of the local population health status [5].	
Solution	Montană is c	<i>aseline Report</i> also comprises a chapter considering demographic data which shows that Roși haracterized by the lowest life expectancy [6] as well as a higher frequency of severe chroni n compared to the other localities.	
	environmenta predicted qua	part of the study consists of the correlation between the investigated diseases an al conditions, carried out based on the baseline health conditions and on baseline an ality of environmental factors. The assessment did not show any significant increase in th the investigated diseases after starting the mining activities [7].	
	This is a comp	prehensive study, one of the few spatial representations of this kind in the whole country.	
	[2] Table 5-3, [3] Subchapte [4] Annex, pa [5] Subchapte [6] Table 3-2,	Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, vol. 5, <i>Health Baseline Report</i> . Chapter 5, <i>Morbidity Study</i> , page 54-56, vol 5, <i>Health Baseline Report</i> . er 5.1.2, Table 5-3, Chapter 5, <i>Morbidity Study</i> , page 54, vol. 5, <i>Health Baseline Report</i> . ge 137, vol. 5, <i>Health Baseline Report</i> . er 4.1.3., <i>Questionnaire of Chapter 4</i> , pages: 23-51, vol. 5, <i>Health Baseline Report</i> . Figure 3-2, Chapter 3, <i>Demographic Data</i> , page 14-15, vol. 5, <i>Health Baseline Report</i> . 6, <i>Results and Discussions</i> , pages124-129, vol. 5, <i>Health Baseline Report</i> .	

[7] Chapter 6.6, Results and Discussions, pages124-129, vol. 5, Health Baseline Report.

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		254
question which	ication no. for the includes the ntified by the RMGC	Cluj Napoca, 07.08.2006
RMGC internal u	unique code	MMGA_0527
Proposal		aseline Report comprises a reference to a survey on the health condition of the population in hese data are not correlated to the environmental impact of the project.
		of the general health status of the population with the predicted environmental impact of presented in the second part of the <i>Health Baseline Report</i> [1].
	population fro sample group status of the study area ha <i>Diseases Revisi</i> groups was ca hospitals in th was undertake localities, clea <i>Baseline Report</i> a questionnai	<i>iseline Report</i> is a scientifically representative analysis involving the study of the entire local om more than 40 localities [2] across a very large area of more than 200 km ² - not just a . The volume is made up of two parts. The first one describes in detail the current health population from the study area. The assessment of the population's health status in the as considered 87 international ICD 10 classification codes (<i>International Classification of ion 10</i>) [3] elaborated by World Health Organization. Health assessment for these population rried out by collecting all medical data from all local general practitioners and from the two he study area over a period of 5 years [4]. The analysis of the frequency of diseases researched en using a computerized geographic system which indicates the differences between various rly showing variation in the frequency of diseases from one place to another [5]. The <i>Health</i> <i>t</i> also comprises a chapter considering a number of habits, workplace exposures etc, based on re applied to 141 people from the area investigated; however this type of information was e assessment of the local population health status [6].
Solution	Montană is cl	<i>seline Report</i> also comprises a chapter considering demographic data which shows that Roşia naracterized by the lowest life expectancy [7] as well as a higher frequency of severe chronic compared to the other localities.
	environmenta predicted qua	part of the study consists of the correlation between the investigated diseases and the l conditions, carried out based on the baseline health conditions and on baseline and lity of environmental factors. The assessment did not show any significant increase in the he investigated diseases after starting the mining activities [8].
	This is a comp	prehensive study, one of the few spatial representations of this kind in the whole country.
	 [2] Table 5-1, [3] Table 5-3, [4] Subchapte [5] Annex, pag [6] Subchapte 	Risk Assessment, pages 60-129, Vol. 5, Health Baseline Report Subchapter 5-1, Chapter 5, Morbidity Study, page 52-53, Vol. 5, Health Baseline Report Chapter 5, Morbidity Study, page 54-56, Vol. 5, Health Baseline Report r 5.1.2, Table 5-3, Chapter 5, Morbidity Study, page 54, Vol. 5, Health Baseline Report ge 137, vol. 5, Health Baseline Report r 4.1.3., Questionnaire of Chapter 4, pages: 23-51, Vol. 5, Health Baseline Report Figure 3-2, Chapter 3, Demographic Data, page 14-15, Vol. 5, Health Baseline Report

[8] Chapter 6.6, Results and Discussions, pages 124-129, Vol. 5, Health Baseline Report

Domain		HEALTH	
which include	no. for the question is the observation the RMGC internal	397	
question whic	tification no. for the h includes the lentified by the RMGC	București, 21.08.2006	
RMGC interna	l unique code	MMGA_0845	
Proposal		anide, the questioner emphasizes that it is an accumulating toxic substance, i.e. it human tissues, especially in the fat tissues. What is LD50 for cyanide?	
	Cyanide is not a	a cumulative contaminant therefore it does not accumulate in the human body.	
	related to cyan another. Cyan relatively low to in the case of co	ted to cyanide action upon entering the human body (e.g. cyanide toxic effects and aspects ide absorption, metabolism, distribution and excretion) -vary from one type of cyanide to des are chemical compounds that inhibit the use of oxygen at cellular level and display oxicity threshold levels considering the acute effects (including death) which may result and ertain types of exposure.	
	Cyanides have mainly acute toxicity - and less chronic toxicity - except for some cases of occupational exposures, different from community exposure.		
Solution	There are several norms on cyanide LD50 as follows: the LD50 for gaseous hydrogen cyanide is 100-3 parts per million. Inhalation of cyanide in this range results in death within 10-60 minutes, with dea coming more quickly as the concentration increases. Inhalation of 2,000 parts per million hydrog cyanide causes death within one minute [1]. The LD50 for ingestion is 50-200 milligrams, or 1 milligrams per kilogram of body weight, calculated as hydrogen cyanide. For skin exposure, the LD50 100 milligrams (as hydrogen cyanide) per kilogram of body weight [1].		
	At the same time, despite the potential to cause acute toxic effects, the presence of cyanide in a environment does not necessarily involve harmful effects on the human body. For these effects to occ cyanide needs to reach a certain level of concentration and also enter the human body. This explains existence of internationally-approved maximum permissible concentrations (MPC): for example, the M for free cyanides in drinking water is 10 microg/l and the MPC for total cyanides in drinking water is microg/l.		
	For the concen have been pred	trations predicted to occur as a result of the proposed activity, no significant health effects icted [2].	
	Washington, D	led by 2006 International Cyanide Management Institute, 1200 G Street, NW, Suite 800, C 20005, USA , <i>Results and Discussions</i> , pages 124-129, vol. 5, <i>Health Baseline Report</i>	

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		398
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		București, 21.08.2006
RMGC interna	l unique code	MMGA_0855
Proposal		pollution, drinking water and food supplies will also be polluted. The impact upon people's le and it also alters people's social behaviour.
	environmenta and drinking detailed predi specific disea	been undertaken to assess the risks for specific diseases associated with the quality of the al factors, including those caused by current soil pollution, pollution of underground water water, with regard to the hazardous substances under investigation. Also, the report presents ctions on the local population's health status in the area under investigation, in relation to ses associated to soil and water pollution. Predictions have been made for several time g the life time of the mine project [1].
Solution	In other words, the assessment of health risks, associated with soil and water quality, is based on medical and environmental data taken from, and predicted for the affected area, with regard to the distribution and concentration of hazardous substances identified and studied as a result of the initiation of mining operations. This data forms the basis of the health assessment.	
	Reference: [1] Chapter 6,	Risk Assessment, pages 60-129, vol. 5, Health Baseline Report.

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		419
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		București, 21.08.2006
RMGC internal	unique code	MMGA_0893
Proposal	existing in the existing in the same effect ap reduces in the statistics, the diseases inves	r quotes from Volume 5, Health Baseline Report, page 91, where it is said that the cyanide soil has positive correlations with the ischemic heart disease, and that the effect of cyanide e soil upon blood pressure reduces with the increase in the pollutant concentration. The opears in the case of cerebral vascular anaemia. Anaemia increases insignificantly or even presence of the cyanide existing in the soil. On page 135 it is stated that, according to the cyanide concentration in the soil, in all areas, has no significant correlation with any of the tigated. The questioner underlines that no comment is made in the report regarding the alts of hydrogen cyanide in higher concentrations.
SolutionThe health baseline report also describes a correlation between the occurrence of specific dise quality of the environmental media, taking into account current data collected before the begi mining operations. Pages 78-80 (91-94 in the Romanian version) present a correlation between the concentrations and a number of diseases (ischaemic heart disease, hypertension, cer diseases, anaemias, polyneuropathies and hepatopathies).However, for all the investigated of test has had no statistical significance (p< 0.05) [1]. These findings are summarized at page the Romanian version). The risk assessment has been carried out on the basis of concrete data account cyanide concentrations in environmental media as indicated in the measurement test in the EIA. Obviously, if a different exposure scenario is applied, the findings related to the health status will also change.In conclusion, the assessment of the population's health status is the result of the interpret data, as measured and predicted in the EIA study.Reference:		seline report also describes a correlation between the occurrence of specific diseases and the environmental media, taking into account current data collected before the beginning of the tions. Pages 78-80 (91-94 in the Romanian version) present a correlation between soi ntrations and a number of diseases (ischaemic heart disease, hypertension, cerebrovascular mias, polyneuropathies and hepatopathies).However, for all the investigated diseases, the to statistical significance ($p < 0.05$) [1]. These findings are summarized at page 126 (135 in version). The risk assessment has been carried out on the basis of concrete data, taking into de concentrations in environmental media as indicated in the measurement tests described viously, if a different exposure scenario is applied, the findings related to the population's will also change. the assessment of the population's health status is the result of the interpretation of the and predicted in the EIA study.
		Risk Assessment, pages 60-129, Cyanides, pages 78-80, vol. 5, Health Baseline Report

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		419
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		București, 21.08.2006
RMGC interna	l unique code	MMGA_0894
Proposal	prevalence of asthma, etc. ' inhaling aeros	ng paragraph, 6.6.7 – Predictions for the Rosia Montana historic area – it is stated that the diseases decreases in the years 9 and 14 of operation, in the case of 7 diseases, among which The questioner notices the absence of any comment regarding the permanent effect of sols from the sodium cyanide lake, and the millions of cubic meters of slurry containing n will remain forever behind the 180-meter high dam of the sinister cyanide plant.
Solution	Indeed, severa of specific dis beginning of population's h done strictly	Il paragraphs in the <i>Health Baseline Report</i> deal with the predictions concerning the frequency eases including asthma. Predictions refer to two time periods -year 9 and year 14 from the the mining operations [1]. We would like to emphasize that the risk assessment of the health status in relation to the presence of these hazardous substances in the environment is on the basis of specific data regarding the spatial distribution of these concentrations in eas. The concentrations used in the assessment of health risks are the ones resulting from
	Reference: [1] Chapter 6,	Risk Assessment, pages 60-129, vol. 5, Health Baseline Report.

Domain		HEALTH	
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		445	
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		Deva, 23.08.2006	
RMGC interna	l unique code	MMGA_0945	
Proposal	field has show	er is a representative of the AntiParkinson association and points out that research in the ved greater incidence of the disease in case of exposure to toxic substances, such as cyanide an American study).	
	(concentration Montană Proj	essment, based strictly on well researched data with regard to exposure intensity a), frequency and duration, clearly states that for the concentrations predicted, Roşia ect does not have the potential to cause a high frequency of this specific disease [1]. ery large number of diseases, that can be associated with the presence of various hazardous	
Solution	substances in the environment, but the occurrence of such diseases depends strictly on the characteristics of the exposure, namely on its frequency, duration and on the levels of concentration to which the human body has been exposed. This means the presence of a hazardous substance in one or several environmental media does not necessarily lead to disease. There are maximum permissible concentrations for particular hazardous substances in air, drinking water, soil, the workplace etc ensuring the protection of human health.		
	Consequently, the mere presence of a hazardous substance in an environmental medium will not necessarily lead to disease.		
	Reference: [1] Chapter 6.0	6, Results and Discussions, pages124-129, vol. 5, Health Baseline Report	

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		3113
question whic	tification no. for the ch includes the lentified by the RMGC	No. 112981/25.08.2006
RMGC interna	l unique code	MMGA_1374
Proposal	formulating th Recent researc	er does not agree to the Rosia Montana gold and silver mining operation proposal ne following remarks and comments: ches demonstrated that an exposure at different toxic substances as cyanide or pesticides is h an increased risk of Parkinson disease occurrence
	project will no operations, fo	ealth risk assessment shows that the population groups from the areas affected by the ot develop specific adverse health effects [1] as a result of the development of the mining r the concentrations of hazardous substances predicted to occur in the environmental media in the EIA report.
Solution	on human hea effects depend the levels of co hazardous sul	arious hazardous substances present in the environmental media may cause adverse effects lth leading to higher frequency of specific diseases. However, the occurrence of such adverse ds strictly on the characteristics of the exposure, namely on its frequency, duration and on oncentration to which the human body has been exposed. This means that the presence of a ostance in one or several environmental medias does not necessarily lead to disease. The s in question are predicted to be below the permissible maximum concentrations.
	Reference: [1] Chapter 6,	Risk Assessment, pages 60-129, vol. 5, Health Baseline Report.

Domain		HEALTH	
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		3113	
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		No. 112981/25.08.2006	
RMGC interna	l unique code	MMGA_1375	
Proposal	The presence Parkinson dise	of cyanides in big quantities within this area will be a factor of increased occurrence of ease	
	Based on health risk assessment, Roșia Montană project will not significantly increase the frequency of specific diseases for those concentrations predicted to occur in the environment, at different stages of the operations, as they have been described in the EIA.		
Solution	 Three aspects have been taken into account in the assessment of risks on human health: The health baseline conditions with regard to the entire population from more than 40 localities, based on data collected from all general practitioners and the two local hospitals; The current quality of the environmental factors, before the development of mining activities; Predictions concerning the distribution of hazardous substances in the environmental media, elaborated for specific periods of time after the beginning of the mining project. 		
	Consequently, the health risk assessment is based on specific data, namely the spatial distribution of the concentration of contaminants, exposure frequency and duration etc, and not on subjective data such as 'large quantities'. There were no significant correlations in terms of increasing the frequency of the investigated diseases [1] for the predicted environmental concentrations of the investigated hazardous substances within the study area.		
	Reference: [1] Chapter 6,	Risk Assessment, pages 60-129, Cyanides, pages 78-80, vol. 5, Health Baseline Report	

MMDD's item no. for the question which includes the observation identified by the RMGC internal code 3113 MMDD's identification no. for the question which includes the observation identified by the RMGC internal code No. 112981/25.08.2006 RMGC internal unique code MMGA_1376 Proposal Although the project provides a technology for the cyanide destruction with sulphur dioxide, this technology itself introduces a supplementary polluting agent with direct effect on the population health The health risk assessment has shown that there will be no adverse health effects on the population in the area after starting the mining activities. The health risk assessment comprises two parts. The first part includes an exhaustive description of the health baseline data collected in more than 40 localities [1], as they are now, before the beginning of the mining operations. The data are correlated with the current state of the environmental media. The second part comprises an estimate on the frequency of the diseases researched, basedo on the information presented in the first part also takes into consideration the exposure to sulphur dioxide [2]. The assessment of risks on human health, associated with exposure to a given hazardous substance, in this case sulphur dioxide, is based on complex information as the air concentrations of the toxic substance, and also other aspects such as the frequency and duration of exposure, as well as the nature and the size of the exposed population. In conclusion, the assessment of risks associated with exposure to local population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population etc), and not subjective and unquantifiable aspects as are related to	Domain		HEALTH
question which indudes the observation identified by the RMGC internal code No. 112981/25.08.2006 RMGC internal unique code MMGA_1376 Proposal Although the project provides a technology for the cyanide destruction with sulphur dioxide, this technology itself introduces a supplementary polluting agent with direct effect on the population health The health risk assessment has shown that there will be no adverse health effects on the population in the area after starting the mining activities. The health risk assessment comprises two parts. The first part includes an exhaustive description of the health baseline data collected in more than 40 localities [1], as they are now, before the beginning of the mining operations. The data are correlated with the current state of the environmental media. The second part comprises an estimate on the frequency of the diseases researched, based on the information presented in the first part and on the estimated distribution of hazardous substance, in this case sulphur dioxide, is based on complex information as the air concentrations of the toxic substance, and also other aspects such as the frequency and duration of exposure, as well as the nature and the size of the exposed population. Solution In conclusion, the assessment of risks associated with exposure of local population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population to sulphur dioxide has taken into consideration specific aspects (concentrations to which the population groups are exposed, considering all the sources that generate those concentrations.	which include identified by 1	s the observation	3113
Proposal Although the project provides a technology for the cyanide destruction with sulphur dioxide, this technology itself introduces a supplementary polluting agent with direct effect on the population health The health risk assessment has shown that there will be no adverse health effects on the population in the area after starting the mining activities. The health risk assessment comprises two parts. The first part includes an exhaustive description of the health baseline data collected in more than 40 localities [1], as they are now, before the beginning of the mining operations. The data are correlated with the current state of the environmental media. The second part comprises an estimate on the frequency of the diseases researched, based on the information presented in the first part and on the estimated distribution of hazardous substances in the environmental media. This part also takes into consideration the exposure to sulphur dioxide [2]. The assessment of risks on human health, associated with exposure to a given hazardous substance, in this case sulphur dioxide, is based on complex information as the air concentrations of the toxic substance, and also other aspects such as the frequency and duration of exposure, as well as the nature and the size of the exposed population. Solution In conclusion, the assessment of risks associated with exposure of local population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population etc), and not subjective and unquantifiable aspects as are related to the sources that generate this substance. In other words, the health risk assessment took into consideration the final concentrations. References:	question which observation ic	h includes the	No. 112981/25.08.2006
Proposal technology itself introduces a supplementary polluting agent with direct effect on the population health The health risk assessment has shown that there will be no adverse health effects on the population in the area after starting the mining activities. The health risk assessment comprises two parts. The first part includes an exhaustive description of the health baseline data collected in more than 40 localities [1], as they are now, before the beginning of the mining operations. The data are correlated with the current state of the environmental media. The second part comprises an estimate on the frequency of the diseases researched, based on the information presented in the first part and on the estimated distribution of hazardous substances in the environmental media. This part also takes into consideration the exposure to sulphur dioxide [2]. The assessment of risks on human health, associated with exposure to a given hazardous substance, in this case sulphur dioxide, is based on complex information as the air concentrations of the toxic substance, and also other aspects such as the frequency and duration of exposure, as well as the nature and the size of the exposed population. Solution In conclusion, the assessment of risks associated with exposure of local population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population etc), and not subjective and unquantifiable aspects as are related to the sources that generate this substance. In other words, the health risk assessment took into consideration the final concentrations. References: References:	RMGC interna	l unique code	MMGA_1376
area after starting the mining activities.The health risk assessment comprises two parts. The first part includes an exhaustive description of the health baseline data collected in more than 40 localities [1], as they are now, before the beginning of the mining operations. The data are correlated with the current state of the environmental media. The second part comprises an estimate on the frequency of the diseases researched, based on the information presented in the first part and on the estimated distribution of hazardous substances in the environmental media. This part also takes into consideration the exposure to sulphur dioxide [2]. The assessment of risks on human health, associated with exposure to a given hazardous substance, in this case sulphur dioxide, is based on complex information as the air concentrations of the toxic substance, and also other aspects such as the frequency and duration of exposure, as well as the nature and the size of the exposed population.SolutionIn conclusion, the assessment of risks associated with exposure of local population to sulphur dioxide has taken into consideration specific aspects (concentrations, distribution, population etc), and not subjective and unquantifiable aspects as are related to the sources that generate this substance. In other words, the health risk assessment took into consideration the final concentrations.References:	Proposal		
[1] Table 5-1, Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, vol. 5, <i>Health Baseline Report</i> .	Solution	The health risk assessment has shown that there will be no adverse health effects on the popul area after starting the mining activities. The health risk assessment comprises two parts. The first part includes an exhaustive descrip health baseline data collected in more than 40 localities [1], as they are now, before the begin mining operations. The data are correlated with the current state of the environmental media. part comprises an estimate on the frequency of the diseases researched, based on the is presented in the first part and on the estimated distribution of hazardous substant environmental media. This part also takes into consideration the exposure to sulphur dioxi assessment of risks on human health, associated with exposure to a given hazardous substate case sulphur dioxide, is based on complex information as the air concentrations of the toxic and also other aspects such as the frequency and duration of exposure, as well as the nature and the exposed population. In conclusion, the assessment of risks associated with exposure of local population to sulphur taken into consideration specific aspects (concentrations, distribution, population etc), and not and unquantifiable aspects as are related to the sources that generate this substance. In other health risk assessment took into consideration the final concentrations to which the population are exposed, considering all the sources that generate those concentrations.	

Domain		HEALTH	
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		3113	
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		No. 112981/25.08.2006	
RMGC internal	unique code	MMGA_1379	
Proposal	The cyanide n big quantities	neutralization products, although less toxic, have negative effects when are accumulated in	
	The health risk assessment has shown that for the concentrations of cyanide and cyanide compounds that have been measured and predicted in the EIA there would be no significantly increase of the frequency of diseases within the study area [1].		
Solution	Basically, it is the dose - to which the human body is exposed or which enters the human body – that determines the toxicity. As a consequence, international rules are imposing maximum permissible concentrations for the various substances present in the environment. The concentration levels for such substances may very as a magnitude order from one environmental factor to another depending on the probability of the human body to come in contact with that environmental media. This also applies to the various types of cyanides and their chemical compounds. In other words, it is not their simple presence in the environment (e.g. the maximum permissible concentration of cyanides in drinking water which emphasize that even this chemical substance can be found in drinking water up to a certain concentration) that may develop adverse health effects but the exposure (intensity, frequency, duration) and the characteristics of the exposed population (size, susceptibility).		
	Reference: [1] Chapter 6,	Risk Assessment, pages 60-129, Cyanides, pages 78-80, vol. 5, Health Baseline Report	

Domain		HEALTH
MMDD's item no. for the question which includes the observation identified by the RMGC internal code		3114, 3122
MMDD's identification no. for the question which includes the observation identified by the RMGC internal code		No. 112980/25.08.2006, No. 112979/25.08.2006
RMGC internal	unique code	MMGA_1383
Proposal		n evaluation of the health risks generated by the losses of forest land and destruction of barrier against the polluted air)
Solution	The health ri namely: - the heal general j more the - the qual under in - predictio differen The health r substances co	If the green belts". The set assessment has been carried out taking into account three categories of informate the baseline conditions, resulting from the assessment of all medical records available from practitioners and from the two hospitals in the area, referring to the entire population is an 40 localities; The environmental media with regard to the distribution of the hazardous substate avestigation, before the development of mining operations; ons on the distribution of the contaminants' concentrations in the environmental media to time periods during the life time of the project [1].

Domain		HEALTH
MMDD's item no. fo which includes the c identified by the RN code	bservation	54
MMDD's identificati question which inclu observation identifi internal code	ides the	No. 114731/25.09.2006
RMGC internal uniqu	ie code	MMGA_1497
Proposal 1	emarks and o	er does not agree to the Rosia Montana project implementation formulating the following comments:Flora and fauna were partially destroyed and the inhabitants are affected by the d by cyanide and silicosis;
Solution	tatus in relation The health common more than the two local I Montană popu- compared to contrequency of si- the area [4]. If with regard to requency [5]. In conclusion groups in the si- addition, the convestigated of environment in References: 1] Table 5-1, si- 2] Subchapter 3] Table 3-2, si- 4] Annex, page 5] Chapter 6,	t appears to refer to the population's current health status and not to the population health ton with the future development of mining activities. mponent of the EIA comprises an exhaustive presentation of the population's health status 40 localities [1], using all medical records collected from all general practitioners and from hospitals [2], as well as demographic data for the same area. All these data show that Roşia ulation is characterized by the lowest life expectancy in the investigated area, and also as data collected at regional and national level [3]. In addition, Roşia Montană shows a higher severe chronic diseases (respiratory, cardiovascular) as compared to some other localities in However, predictions made for specific periods of time during the life time of the project, to the distribution of diseases researched have shown no significant increase in their , the Roșia Montană population is in poorer health when compared to other population area, according to present data, before the development of the proposed mining activities. In development of mining activities will not cause a significant increase of the frequency of the diseases, for the concentrations of hazardous substances predicted to occur in the n the study area [6]. Subchapter 5-1, Chapter 5, <i>Morbidity Study</i> , page 52-53, Vol. 5, <i>Health Baseline Report</i> r 5.1.2, Table 5-3, Chapter 5, <i>Morbidity Study</i> , page 54, Vol. 5, <i>Health Baseline Report</i> Figure 3-2, Chapter 3, <i>Demographic Data</i> , page 14-15, Vol. 5, <i>Health Baseline Report</i> reg 137, Vol. 5, <i>Health Baseline Report</i> <i>Risk Assessment</i> , pages 60-129, Vol. 5, <i>Health Baseline Report</i> 6, <i>Results and Discussions</i> , pages 124-129, Vol. 5, <i>Health Baseline Report</i>