

APPENDICES

**with the advice for Terms of Reference
for the environmental impact statement
of the goldmining project,
Suriname**


(Appendices 1 to 5)

APPENDIX 1

Letter from DGIS dated 24 January 1996, in which the Commission has been asked to submit an advice for Terms of Reference

Ministry of Foreign Affairs

The Hague

	Commissie voor de m.e.r. OS
Ingekomen	INGEKOMEN 25 JAN. 1996
nummer	013-96
dossier	019-1
kopie naar	Sh/Sc/Kh/Po/Bibl.

Commissie voor de milieu-effectrapportage
t.a.v. de heer drs. J.J. Scholten
Postbus 2345
3500 GH Utrecht

Directorate-General
International Cooperation

Date : 24 Januari 1996

Re : Goldmining Suriname
WW92850
JRC 381-93
MER/019/95

Ref : DST/ML
660/95

Margo Mining N.V. a registered company in Suriname, requested the Netherlands to finance an environmental study for the development of a gold mine in the area of the Marowijne river in Suriname. The company has acquired three concessions with a total area of approximately 46.000 ha, distributed over three sites. Margo Mining has the intention to realize their mining activities in an environmental friendly way.

DST/ML decided to support their initiative by financing the scoping of an Environmental Impact Assessment (EIA). DST/ML has the intention to finance the next steps in the EIA as well. The Environmental Impact Statement (EIS) will be written as a part of a feasibility study. The feasibility study will form the basis upon which a decision on investments through IFC/FMO or others can be taken. There are plans to prepare a general EIS for the gold mining activities in Suriname on basis of EIS for the Margo Mining initiative.

As the first step in the EIA procedure Margo Mining prepared a notification of intent, which has been sent already to you. I herewith request the Commission for EIA to prepare an advice on the Terms of Reference for an Environmental Impact Statement on the initiative on the basis of the notification of intent.

With reference to the EIA agreement between DGIS and the Commission, I would appreciate receiving a proposal concerning composition of the working group and the budget needed to formulate the aforementioned advice.

THE MINISTER FOR DEVELOPMENT COOPERATION

For the Minister
Head Environment Programme,


K.A. Koekkoek

APPENDIX 2

Project information

Proposed Activity: Margo Mining N.V., a registered company in Suriname, requested the Netherlands to finance an environmental study for the development of a gold mine in the area of the Marowijne river in Suriname. The company has acquired three concessions with a total area of approximately 46.000 ha, distributed over three sites. Margo Mining has the intention to realize their mining activities in an environmentally friendly way.

Categories: mining; DAC/CRS-codes 20-29000

Project numbers: DGIS: WW992850 JRC 381-93 MER/019/95, Commission for EIA: 019

Progress: In a letter dated 24th January 1996 (see appendix 1), the Netherlands Minister for Development Cooperation has requested the Commission for EIA in the Netherlands to advise on Terms of Reference for an EIS to be prepared for the project involved.

During the preparation of the advice, the working group of the Commission visited the project area as well as several agencies and institutions in Paramaribo from 15 – 22 February 1996. The advice was submitted to the Netherlands Minister for Development Cooperation on 12 March 1996.

Composition of the working group of the Commission for EIA:

The EIA is prepared by a working group of the Commission for EIA, consisting of independent experts of Surinamese and Dutch nationality:

Mr A.L. Hakstege

Mr G.M. Gemerts (Surinamese)

Mr J.M.F. de Kom (Surinamese)

Mr P. Teunissen (Surinamese)

Mr D. de Zeeuw (chairman)

Technical secretary: Mrs I.A. Steinhauer

APPENDIX 3

Working programme scoping mission 15 - 22 February 1996

- Thursday 15 February 16.00 hrs: Arrival at Zanderij Airport, transport to Hotel Krasnapolsky, Paramaribo. Introduction to Surinamese working group members.
- Friday 16 February 08.00 hrs: First meeting of working group.
09.00 hrs: Meeting with Mr Wolly and Mr Misiedjan of Margo Mining NV.
10.00 hrs: Visit to the Ministry of Natural Resources, meeting with Mr Abdul, director of the Ministry of Natural Resources, Mr Kemble, chairman of the Commission on Development of the Inland and Mr Zeefuik, district commissioner of Sipaliwini.
12.00 hrs: Visit to the Royal Netherlands Embassy.
15.00 hrs: Meeting with Mr Ouboter, department of Environmental Sciences, Technological Faculty of the University of Suriname and Centre for Environmental Sciences.
- Saturday 17 February 06.30 hrs: Trip to Albina by minibus, then by boat to Awaracondre (small gold mine) and Langatabiki (meeting the Chief of the Paramaccans, Mr Levi).
Overnight stay in Loca Loca in hammocks.
- Sunday 18 February 07.30 hrs: Visit to the Margo Mining concession area 'Gran Kreek', visit to Apomatapu with Brazilian 'porknockers'. Visit to gold dredging on the river Marowijne. Overnight stay in hammocks on Stoelmanseiland.
- Monday 19 February 08.00 hrs: From Stoelmans Island to Sara Kreek airstrip by aeroplane to visit the Wylab/Canarc goldmining. Guided by Mr Lie Pauw Sam, director. Then flight across Margo Mining concession area 'Adelaars Top' back to Paramaribo.
17.00 hrs: Second working group meeting, formulation ToR.
- Tuesday 20 February 07.30 hrs: Meeting with Mr Donald and Mr Miedema, representatives of Golden Star Resources Ltd. in Suriname.
09.00 hrs: Meeting with Mr Noordam, Stichting voor een Schoon Suriname.
11.00 hrs: Meeting at the office of the Organisation of American States with Mr Healy, representative of the Foundation for Experimental Mining.
14.00 hrs: Meeting with Mr Wolly and Mr Misiedjan of Margo Mining.
15.00 hrs: Third working group meeting.

- Wednesday 21 February**
- 08.00 hrs: Formulation of the advice for Terms of Reference.
 - 09.00 hrs: Meeting with the Ambassador, Mr Schelto Baron van Heemstra.
 - 13.00 hrs: Debriefing-lunch offered by the Royal Netherlands Embassy with Mr Van Heemstra (Ambassador), Mr Brands (specialist on rural development and environment), Mr Bakker (specialist in macro economics), Mrs Kustner (specialist on women and rural development), Mr van den Berg (head of Development Cooperation) and Mr von Bartheld (consul).
 - 15.00 hrs: Formulation of the advice for Terms of Reference.
- Thursday 22 February**
- 08.00 hrs: Formulation of the advice for Terms of Reference.
 - 11.00 hrs: Final working group meeting, discussion on the third draft advice for the Terms of Reference and presentation of the results to Mr Wolly of Margo Mining.
 - 13.00 hrs: Leaving for Zanderij Airport.
 - 18.00 hrs: Flight with KLM back to Amsterdam.

APPENDIX 4

Public awareness of health hazards in relation to the use of mercury in small scale mining activities

The inhabitants living downstream of small scale mining facilities in the interior, are concerned by the obvious change of colour of the river as a result of high concentrations of insoluble mud particles in the water resulting from the mining activities.

This colour change is mainly seen as the clear sign of direct environmental pollution. A form of pollution with an impact on the economical and social function of the river. As a result of the diminishing clearness of the water, transportation across the rapids becomes more dangerous and is sometimes hampered. The high concentrations of insoluble mud particles also results in the disappearance of fish in creeks, and thus a source of proteins.

Aware of the manifest short term effects of small scale mining, the long term effects of pollution by mercury are not yet fully understood by the inhabitants and even the miners themselves. As a result speculations occur and thereby creating a chaotic and threatening health situation for the inhabitants.

There is a need for information on the potential health effects arising from the uncontrolled use of mercury in the small scale mining activities. Special attention needs to be drawn to the acute health effects of mercury mainly affecting the individual and the chronic health effects affecting the population as a whole.

A public awareness campaign needs to be set up. In the campaign information will be provided linked up with the experience and perception of the environment of the inhabitants. Simultaneously workable alternatives for small scale mining with mercury need to be introduced. These are prerequisites for a successful campaign.

Given the lack of a good accessible communication infrastructure for the public awareness campaign, existing facilities for health education and promotion can be used.

Health posts are situated nearby the areas where small scale mining exists. The health workers are trained in health promotion campaigns in the local communities and are neutral persons. Information on the short and long term effects of mercury release in the ecosystem and the health problems arising as a result can be given. The inhabitants can be informed by means of posters, leaflets, informative discussions with mothers, pregnant women, potential gold-miners and teachers, and schoolchildren.

APPENDIX 5

Map of Suriname with concession areas of Margo Mining

