

MEETING REPORT

BRAZILIAN ASSOCIATION OF LARGE HYDROELECTRIC COMPANIES (ABRAGE) 3RD TECHNICAL MEETING ON THE GOLDEN MUSSEL (*LIMNOPERNA FORTUNEI*)

Belo Horizonte, MG, September 17th - 18th, 2003

Maria Edith Rolla
CEMIG

3rd Technical Meeting of ABRAGE on the Golden Mussel (*Limnoperna fortunei*, Dunker, 1857)

Maria Edith Rolla (CEMIG)
(Translation: J. Carolsfeld)

Location: Niagara Flat Hotel - Belo Horizonte

Date: 17-18/09/03

Objective: Evaluate and integrate the results of the 2nd Technical Meeting of ABRAGE on the Golden Mussel (*Limnoperna fortunei*, Dunker, 1857) and of the 1st South American Meeting for the Integration of Actions for the Control of the Golden Mussel, promoted by the PTI, appendix 3.

Participants:

Number of participants: 49

Companies - CEMIG, Furnas, Duke Energy, Eletronorte, CESP, Copel, Tractebel, Itaipu, Chesf, Eletrobras, AES Tiete, Light.

Invitees: CETEC, MMA, Lactec, EMBRAPA Pantanal, IEAPM/Navy, RNT, WFT, UFSCar, SANEPAR, FEEMA-RJ.

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Carlos Eduardo Belz – Lactec – belz@lactec.org.br

Márcia Divina Oliveira - Embrapa Pantanal - márcia@cpapembrapa.br

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Renata Claudi - RNT Consultoria – rnt@direct.com

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 Carla Canzi - Itaipu -

Activities:

1st day - 16/09/03

As per the program, the invitees made presentations, all of which were recorded on a CD and distributed to participants at the end of the event. The program was as follows:

09:00-09:15 Opening of the meeting by Dr. Flávio Neiva (President of ABRAGE) and Dr. Antônio Procópio Sampaio Rezende (coordinator of the Golden Mussel Working Group).

09:15-09:55 The Golden Mussel (*Limnoperna fortunei*) in Itaipu Binacional - Carla Canzi

09:55 - 10:10 Coffee

10:10 - 10:50 Management and control of the Golden Mussel in the power plants and reservoirs of CESP - André Luis Mustafá

10:50 - 11:30 Occurrence and behaviour of the golden mussel in the Pantanal - Márcia Divina de Oliveira - Embrapa Pantanal

11:30 - 12:10 Project on the Golden Mussel in the Globallast Program - introduction and impact of the Golden Mussel, *Limnoperna fortunei*, in Brazil - Flávio da Costa Fernandez - IEAPM (Navy)

12:10 - 13:40 Lunch

13:40 - 14:20 Prevention and control of *Limnoperna fortunei* (Dunker, 1857). Case study: Volta Grande reservoir - Mônica Campos, Maria Edith Rolla & Estael de Araújo - CETEC & Cemig

14:20 - 15:00 The Golden Mussel in Paraná State and the Perspectives for the Electrical Sector - Carlos Eduardo Belz, Copel/Lactec

15:00 - 15:15 Coffee

15:15 - 15:55 Socio-economic and environmental problems created by the invasion of the Golden Mussel - Measures adopted by the MMA - Robson Calixto

15:55 - 17:30 Coping with invasive fresh water mussels: Impacts and Mitigation strategies - Renata Claudi - RNT Consulting Inc.

17:30 - 18:00 Debate and discussions

2nd day - 17/09/03

Discussion & deliberations:

A division of topics was proposed according to the following themes:

- Preventive and corrective actions for industry
- Preventive and corrective actions for the environmental impact on natural ecosystems
- Institutional actions.

These items make up a matrix that will need to be discussed to define measures that ABRAGE should adopt in the next meeting.

Federal and state environment institutions, universities, and sanitation company have been invited to this meeting.

The MMA announced the formation of a Working Group, whose objective it is to decide who will coordinate the work and to establish new terms of reference for this work. Another objective of this Working Group is to develop a plan to be brought before the Legislative House, with participants covering their own expenses for flights, diaria, etc. An invitation was made for ABRAGE to participate in this Working Group, whose first meeting is to take place in Brasília on the 22/10 of 2003.

The consultant to WFT (Canada) - Dr. Renata Claudi - suggested important points that need to be implemented, such as inspection of boats and an awareness program to inform the public. She confirmed that in Canada, industry paid for media coverage without help from the government, and that pressure must be applied on: 1) the ministry to avoid the entry of new invaders and 2) other users, such as agriculture and fish culturists, to take measures to avoid the spread to other areas. She warned that many magical solutions will appear, but none actually exist.

It was decided to hold a new meeting on the 14-15 of October to discuss the participation of ABRAGE in the meeting of the Working Group being formed by the MMA.

From an institutional point of view, the liberation of licencing of products used in control was suggested, remembering the difficulties that CESP had for the control of aquatic plants in Jupia. The MMA requested that ABRAGE provides pressure to get the ballast water legislation ratified, as otherwise its signing will be very delayed. They also confirmed that, as Renata Claudi had warned, they are receiving many magical proposals for control of the mussel. ABRAGE made its web-page available for posting information on the mussel, and asked that companies collaborate by sending such information.

New training [for identification and control of mussels] was requested, with a new methodology and format, which should be done on the level of the companies.

It was suggested that contracts for the use of sand, clay, and fish must contain norms for the use of equipment etc. [that avoids the spread of mussels].

It was suggested that Public Relations officers of the companies be present in following meetings so they become aware of the importance of the problem and help in defining the format of the public communications.