

COMMISSION OF THE EUROPEAN COMMUNITIES

**19th REPORT
of the
Safety and Health Commission
for the mining and other extractive
industries**

YEAR 1981

VOLUME 2

**Volume 1: Annual Report
Volume 2: Annexes to the Report**

EUR 9151 EN


COMMISSION OF THE EUROPEAN COMMUNITIES

**19th REPORT
of the
Safety and Health Commission
for the mining and other extractive
industries**

YEAR 1981

VOLUME 2

EUR 9151 EN



**Published by the
COMMISSION OF THE EUROPEAN COMMUNITIES**

**Directorate-General
Information Market and Innovation**

**Bâtiment Jean Monnet
LUXEMBOURG**

LEGAL NOTICE

Neither the Commission of the European Communities nor any person acting on behalf of the Commission is responsible for the use which might be made of the following information


This publication is also available in the following languages:

DA ISBN 92-825-4133-9
DE ISBN 92-825-4134-7
FR ISBN 92-825-4136-3
IT ISBN 92-825-4137-1
NL ISBN 92-825-4138-X

Cataloguing data can be found at the end of this publication

Luxembourg, Office for Official Publications of the European Communities, 1984

ISBN 92-825-4135-5

Catalogue number: 

© ECSC-EEC-EAEC, Brussels · Luxembourg, 1984

Printed in the FR of Germany

LIST OF ANNEXES

	Page
1. Terms of reference and rules of procedure of the mines safety commission	5
2. Terms of reference of the various working parties of the safety and health commission for the mining and other extractive industries	17
3. Composition of the safety and health commission for the mining and other extractive industries and of its working parties	35
4. Studies completed since 1976	87
5. Proposal to governments for well control drills off-shore and training of personnel in charge of well operations	99

**Published by the
COMMISSION OF THE EUROPEAN COMMUNITIES**

**Directorate-General
Information Market and Innovation**

**Bâtiment Jean Monnet
LUXEMBOURG**

LEGAL NOTICE


Neither the Commission of the European Communities nor any person acting on behalf of the Commission is responsible for the use which might be made of the following information

This publication is also available in the following languages:

DA ISBN 92-825-4133-9
DE ISBN 92-825-4134-7
FR ISBN 92-825-4136-3
IT ISBN 92-825-4137-1
NL ISBN 92-825-4138-X

Cataloguing data can be found at the end of this publication

Luxembourg, Office for Official Publications of the European Communities, 1984

ISBN 92-825-4135-5
Catalogue number: 

© ECSC-EEC-EAEC, Brussels · Luxembourg, 1984

Printed in the FR of Germany

**TERMS OF REFERENCE AND RULES OF PROCEDURE
OF THE MINES SAFETY COMMISSION**

*Decisions from the Council of Ministers of
9 July 1957, 11 March 1965 and 27 June 1974*

COUNCIL OF MINISTERS

DECISION

of 9 July 1957

concerning the terms of reference and rules
of procedure of the Mines Safety Commission

Having taken note of the Recommendations adopted by the Conference on Safety in Coalmines and of the proposals submitted by the High Authority in connection with the Conference's final Report, which afford a working basis for the improvement of safety in coalmines, and

having regard to their Decisions at the Council's 36th and 42nd sessions on September 6, 1956 and on May 9 and 10, 1957, setting up the Mines Safety Commission,

THE REPRESENTATIVES OF THE GOVERNMENTS OF THE MEMBER STATES MEETING
AT THE SPECIAL COUNCIL OF MINISTERS,

- hereby lay down that the terms of reference of the aforesaid Commission shall be as follows:

1. The Commission shall follow developments regarding safety in coalmines, including those regarding the safety regulations instituted by the public authorities, and assemble the necessary information concerning progress and practical results obtained, more especially in the matter of accident prevention.

To secure the necessary information, the Commission shall apply to the Governments concerned.

The Commission shall evaluate the information in its possession and submit to the Governments proposals for the improvement of safety in coalmines.

2. The Commission shall help the High Authority to work out a method of compiling intercomparable accident statistics.
3. The Commission shall ensure the prompt forwarding to the quarters directly concerned (including in particular mines inspectorates and employers' and workers' associations) of relevant information assembled by it.
4. The Commission shall ascertain, by regular contact with the Governments, what action is being taken to implement the proposals of the Conference on Safety in Coalmines, and such proposals as it may itself draw up.
5. The Commission shall propose such study and research as it deems most indicated for the improvement of safety, with notes as to the way in which these can best be effected.
6. The Commission shall facilitate the exchange of information and experience among persons responsible for safety matters, and propose appropriate measures for this purpose (e.g. organization of study sessions, establishment of documentation services).
7. The Commission shall propose appropriate measures for ensuring the necessary liaison among the rescue services of the Community countries.

8. The Commission shall submit annually to the Council of Ministers and the High Authority a Report on its activities and on developments regarding safety in coalmines in the different member States. In this connection, it shall in particular examine the statistics compiled on accidents and incidents in coalmines.

- The Representatives of the Governments further lay down that the rules of procedure of the Commission shall be those set forth in the Annex to the present Decision.
- The Representatives of the Governments trust that the High Authority will arrange for the Commission to start work at the earliest possible moment.

This Decision was adopted by the Council at its forty-fourth session, on July 9, 1957.

For the Council,

J. REY

President.

**RULES OF PROCEDURE
of the Mines Safety Commission**

CHAIRMAN

Article 1

The Chairman of the Mines Safety Commission shall be a Member of the High Authority of the European Coal and Steel Community.

Article 2

The Chairman shall conduct the work of the Commission in accordance with these Rules of Procedure.

MEMBERS

Article 3 (1)

The Commission shall consist of 36 members appointed by the Governments; each country shall have four members, of whom two shall be representatives of that country's Governments, one of the employers and one of the workers.

Each Government shall send in writing to the Chairman a nominal roll of the members appointed by it. It shall notify the Chairman of all changes in this.

Each Government may appoint for any particular meeting of the Commission one or two advisers, whose names it shall send to the Chairman.

I.L.O. PARTICIPATION

Article 4

Representatives of the International Labour Organization shall be invited to attend the proceedings of the Commission in a consultative capacity.

ORGANIZATION

(a) Restricted Committee

Article 5

A Restricted Committee shall be set up, to consist of Governments representatives on the Commission.

Article 6

The Chairman of the Commission shall act as Chairman of the Restricted Committee.

Article 7

The function of the Restricted Committee shall be to ensure permanent liaison among the Governments of the member States and between them and the Commission, more especially for the purpose of exchanging relevant information. The Restricted Committee shall see to the preparation of the Commission's activities.

Article 8 (1)

The Restricted Committee shall be convened by the Chairman.

The Chairman shall be required to convene it when asked to do so by the representatives of five or more Governments.

(b) Working Parties

Article 9

The Commission of the Restricted Committee may set up Working Parties of experts to consider specific technical matters.

Article 10

The Working Parties shall decide their own modus operandi.

Article 11

The Restricted Committee shall be given reports by the Working Parties on the results of their proceedings, which it shall submit to the Commission with the comments of its members.

In the event of differences of opinion within the Working Parties, the views expressed shall be given, together with the names of those expressing them.

SECRETARIAT

Article 12 (1)

The High Authority shall be responsible for the secretarial arrangements in connection with the work of the Commission, the Restricted Committee and the Working Parties.

These arrangements shall be under the charge of a High Authority staff member appointed to act as Secretary.

All documents shall be in the six official languages of the Community.

WORKING PROCEDURE

Article 13

The Chairman shall fix the agenda and the dates of meetings after consultation with the members of the Restricted Committee.

Article 14 (1)

The Chairman shall allow to speak any member of the Commission or representative of the International Labour Organization asking to do so.

The Chairman may allow advisers to speak.

Article 15

The members of the High Authority shall have the right to attend meetings of the Commission and of the Restricted Committee, and to speak there.

The Chairman may bring with him advisers, whom he may allow to speak.

Article 16

Where the Commission or the Restricted Committee deems it desirable to obtain information concerning the various aspects of safety in coalmines, it shall request this from the Governments of the member States.

Article 17 (1)

24 members shall constitute a quorum. Conclusions shall be adopted by majority of the members present.

Proposals by the Commission under 1,3 of its terms of reference shall, however, require a vote in favour by two-thirds of the members present, and by not less than nineteen members in all.

Any dissenting opinions shall be brought to the attention of the Governments should the members expressing them so request.

(1) Amended having regard to decision of the Council of the European Communities of 1 January 1973 (Official Journal of the European Communities L2 of 1 January 1973).

THE COUNCIL

DECISION (1)

of March 11, 1965

of the Representatives of the Governments
of the Member States assembled in the Special
Council of Ministers to modify the decision
of July 9, 1957

concerning the terms of reference and rules
of procedure of the Mines Safety Commission

THE REPRESENTATIVES OF THE GOVERNMENTS OF THE MEMBER STATES ASSEMBLED
IN THE SPECIAL COUNCIL OF MINISTERS -

having regard to the decision of July 9, 1957 regarding the terms of
reference and rules of procedure of the Mines Safety Commission, and

having regard to the High Authority's proposal of January 7, 1964,
and

seeing that this decision in no way affects Article 118 of the Treaty
setting up the European Economic Community,

DECIDE:

Article 1

The terms of reference of the Mines Safety Commission laid down by the decision
of July 9, 1957 are replaced by the provisions in the annex.

Article 2

The provisions of Article 17 of the rules of procedure annexed to the Decision
of July 9, 1957 are replaced by the following provisions:

"Should the Mines Safety Commission or the Restricted Committee consider it
desirable to receive information regarding the various fields for which it is
responsible, it shall apply to the Governments of the member States."

This decision was adopted by the Council at its one-hundredth session, on
March 11, 1965.

For the Council

M. MAURICE-BOKANOWSKI

President

(1) See "Journal officiel de la Communauté européenne du charbon et de l'acier" no. 46
of 22nd March 1965.

ANNEX

TERMS OF REFERENCE FOR THE MINES SAFETY COMMISSION

1. The Commission shall follow developments regarding safety and measures to avoid at working-points conditions which represent a danger to health in coalmines, including to this end the safety regulations instituted by the public authorities and assemble the necessary information concerning progress and practical results obtained.

To secure the necessary information, the Commission shall apply to the Governments concerned.

The Commission shall evaluate the information in its possession and submit to the Governments proposals for the improvement of safety and health conditions in coalmines.

2. The Commission shall help the High Authority to work out a method of compiling inter-comparable statistics on accidents and damage to health attributable to vocational activities in coalmines.
3. The Commission shall ensure the prompt forwarding to the quarters directly concerned (including in particular mines inspectorates and employers' and workers' associations) of relevant information assembled by it.
4. The Commission shall ascertain, by regular contact with the Governments, what action is being taken to implement the proposals of the Conference on Safety in Coalmines, and such proposals as it may itself draw up.
5. The Commission shall propose such study and research as it deems most indicated for the improvement of safety, and of healthy working conditions in coalmines, with notes as to the way in which these can be effected.
6. The Commission shall facilitate the exchange of information and experience among persons responsible for safety matters and the maintenance of healthy working conditions, and propose appropriate measures for this purpose (e.g. organization of study sessions, establishment of documentation services).
7. The Commission shall propose appropriate measures for ensuring the necessary liaison among the rescue services of the Community countries.
8. The Commission shall submit annually to the Council of Ministers and the High Authority a Report on its activities and on developments regarding safety and protection of health in coalmines in the different member States. In this connection, it shall in particular examine the statistics compiled in these fields.

COUNCIL DECISION

of 27 June 1974

on the extension of the responsibilities of the Mines Safety and Health Commission to all mineral-extracting industries

(74/326/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 145 thereof;

Having regard to the draft of the Commission;

Having regard to the Opinion of the European Parliament⁽¹⁾;

Having regard to the Opinion of the Economic and Social Committee;

Whereas the representatives of the Governments of the Member States meeting within the special Council of Ministers, by Decision of 9 and 10 May 1957, set up a Mines Safety and Health Commission whose terms of reference as laid down by Decision of 9 July 1957⁽²⁾ of the representatives of the Governments of the Member States meeting within the Special Council of Ministers, amended by Decision of 11 March 1965⁽³⁾ are to follow developments in safety and in the prevention of occupational risks to health in coal mines and to draw up proposals appropriate for the improvement of safety and health in coal mines;

Whereas this body has proved to be an effective and suitable instrument for safeguarding the health and safety of workers in coal mines;

Whereas problems of safety similar to those in coal mines also exist in other mineral-extracting industries;

Whereas the prevention of occupational accidents and diseases, as well as occupational hygiene, are among the objectives of the Treaty establishing the European Economic Community;

Whereas the Council resolution of 21 January 1974⁽⁴⁾ concerning a social action programme envisages an action programme for workers which aims *inter alia* at improvement in safety and health conditions at work;

Whereas the Safety and Health Commission should be assigned the task of extending to all mineral-extracting industries the preventive action which has hitherto been confined to coal mines;

Whereas the representatives of the Governments of the Member States meeting within the Council agreed to assign this task to the Safety and Health Commission,

HAS DECIDED AS FOLLOWS:

Article 1

1. Preventive action against risks of accident and occupational risks to the safety and health of workers in all mineral-extracting industries except simple excavation, excluding the protection of the health of workers against the dangers arising from ionizing radiations which is subject to special regulations pursuant to the Treaty establishing the European Atomic Energy Community shall be the responsibility of the Mines Safety and Health Commission within the terms of reference laid down by Decision of 11 March 1965 of the representatives of the Governments of the Member States meeting within the special Council of Ministers.

2. Mineral-extracting industries shall be taken to mean the activities of prospecting and of extraction in the strict sense of the word as well as of preparation of extracted materials for sale (crushing, screening, washing), but not the processing of such extracted materials.

3. Simple excavation shall be taken to mean work whose purpose is not the extraction of materials for use.

⁽¹⁾ OJ No C 40, H. 4, 1974, p. 64.

⁽²⁾ OJ No 28, 31, H. 1957, p. 487/57.

⁽³⁾ OJ No 46, 22, 3, 1965, p. 698/65.

⁽⁴⁾ OJ No C 13, 12, 2, 1974, p. 1.

Article 2

1. This Decision shall enter into force on the fifth day following its publication in the *Official Journal of the European Communities*.

2. It shall apply :

— to the underground activities of the mineral-extracting industries : as from the day laid down in paragraph 1 ;

— to the other activities of the mineral-extracting industries : as from 1 January 1976.

Done at Luxembourg, 27 June 1974.

For the Council

The President

K. GSCHIEDLE

TERMS OF REFERENCE OF THE VARIOUS WORKING PARTIES
OF THE SAFETY AND HEALTH COMMISSION
FOR THE MINING AND OTHER EXTRACTIVE
INDUSTRIES

TERMS OF REFERENCE COMMON TO ALL WORKING PARTIES

The Safety and Health Commission for the Mining and Other Extractive Industries recalls that from its inception, the exchange of experience and information in Working Parties has been completed wherever necessary in the mining basins, testing institutes and at the manufacturers.

C VENTILATION, FIREDAMP AND OTHER MINE GASES

A) General terms of reference

The Working Party on Ventilation and Mine Gas will examine general problems of ventilation, particularly where prevention of firedamp explosions is concerned and other means or measures should be applied in order to suppress or control firedamp.

In addition to the study of firedamp explosions occurring in the Community, attention will also be devoted to usable results of research in the field of firedamp outbursts, in particular where maximum permissible levels in ventilation air of firedamp and other poisonous gases are concerned, and the advance estimation of firedamp emission before a working is started.

Attention will also be devoted to appropriate speeds for the flow of ventilation air, measures to be taken in the event of deceleration of the flow of air, measures for the stabilization of ventilation and the means and procedures for monitoring ventilation.

B) Special terms of reference

1. Examination of the special requirements for workings with auxiliary ventilation in which dust control and air conditioning equipment is used
2. Examination of controlled partial recirculation of air in drivages.
3. Presentation of proposals for the selection of combinations of suitable materials for the impellers and housings of auxiliary fans.

4. Preparation of a report on "Methane under armoured conveyors".
5. Preparation of a second report on "Ignitions of fire-damp by power loaders and heading machines" including proposals to the Governments on automatic methane monitoring, ventilation of the space between the road-face and the body of the machine, horizon control and automatic extinguishing of ignitions.
6. Preparation of a report on "Heavy gas emissions".
7. Preparation of a report on "Effects of firedamp on the risk of explosion with coal dusts (in collaboration with the Working Party on "Flammable Dusts")".
8. Drafting of uniform requirements and specifications for the design and use of CH₄ monitoring instruments.
9. Preparation of a report on "Use of diesel engines underground in mines".
10. Drafting conclusions concerning outbursts of coal and gases.

D WINDING ROPES AND SHAFT GUIDES,
 WINDING ENGINES AND WINCHES

Terms of reference

1. Follow-up of progress made in the testing of winding ropes by means of appropriate instruments in order to obtain information concerning its application in the mines of the Community and the United Kingdom.
2. Testing of couplings for circular and flattened winding ropes.
3. Arrangements for the installation and inspection of capels.
4. Testing of guides for winding cages in drafts and guide mechanisms for cable haulage in roadways.
5. Maintenance required to ensure safe operation of winding ropes and balance ropes.
6. Use of studies on the dynamic behaviour of shaft and roadway ropes.
7. Exchange of views on the properties operating conditions and strength of winding ropes of particular interest.
8. Discussion on accidents involving winding and hauling ropes and their couplings, which could provide new information.

E

STRATA CONTROL AND ROCK MECHANICS

The Working Party is instructed to examine, by exchanging experience and by evaluating the results of research, whether it is possible to draw up measures or practical directives for the prevention of falls of ground, taking into account the individual features of coal measures and workings.

1. In particular : In the interest of better roof control, particularly within the context of working schedules, it will study :
 - 1.1. general measures to be taken into consideration in avoiding falls of ground, in the light of the type of measures and conditions of workings, e.g. sequence of working the seams, features of the working areas (length, speed of advance, etc.), type and characteristics of support ;
 - 1.2. specific measures to deal with individual difficulties which may or may not foreseeably arise in the long term, such as disturbance zones, protective banks, working of a face at right-angles to the end of an old seam, etc.
 - 1.3. specific measures to be taken when starting off a face in order to prevent abrupt subsidence of the roof.
2. It will also compare mining regulations on support and draw up minimum roof control requirements, taking into account the characteristics of the various faces (overall seam thickness, dip, dead rock ...).
3. Stability of Tips.

F

E L E C T R I C I T Y

Terms of reference

1. Comparing adopted safety and accident prevention provisions relating to :
 - a) electric shock,
 - b) fire hazard,
 - c) explosion hazard.
2. Follow the evolution in Community countries with regard to safety regulations on underground electrical networks of low and medium voltage (up to 1 100 V) and feeder cables for movable equipment, with due regard to the specifications for the said cables.
3. Finish the report on steps to be taken when work has to be carried out on electrical equipment under voltage.
4. Finish the study on the construction of high-tension cables (of up to 6 000 V) used underground, and protective equipment.
5. Follow the evolution of oil-powered contactors used in gassy environments.
6. Follow the development of techniques designed to eliminate entirely the production of sparks on electrical contact lines (battery motors excluded).
7. Examination of the intrinsically safe circuits for remote control in conjunction with mechanisation automation.
8. The Mines Safety and Health Commission instructs the Working Party on Electricity :

- 8.1. to continue to take due note of the results of the work of the CENELEC entrusted with harmonizing the rules covering the design of electrical equipment for use in explosive atmosphere ;
- 8.2. to propose, if appropriate, modifications to the above documents of CENELEC to make them applicable to coal mines in countries of the European Community ;
- 8.3. to prepare the models of the certificates of conformity and control for Group I electrical apparatus (in collaboration with D.G. III of the EC - Commission) ;
- 8.4. to compare the rules covering installation and use of underground electrical equipment now current in each of the Community countries, particularly in respect of the dangers of firedamp ignition ; to ensure that the rules are uniform or to examine the equivalence of certain rules, so that such equipment can be used without modification in all the Community countries.

G

HUMAN FACTORS AFFECTING SAFETY

Terms of reference

1. To study and work out proposals on the aspects by which behaviour and attitudes of individuals in extractive industries can be influenced in order to improve safety and health and working conditions in these industries.
2. To gather, consider and disseminate information about behavioural, organisational and human factors relating to safety and health in extractive industries.
3. To consider arrangements for safety training.
4. To consider the initiation of campaigns designed beneficially to influence attitudes to safety at work.
5. To study the attitudes of work people and organisational arrangements in order to create greater involvement and awareness of safety and health.
6. To consider any other matters thought by the working party to be relevant to improving attitudes towards safety and health at work in extractive industries.

I

M E C H A N I Z A T I O N

Taking into consideration current techniques in winning and roadway driving linings and roadway conveyors, the working party is instructed to study particular ways of preventing accidents connected with mechanization.

In particular, it is to :

- a) compile a schedule for machinery manufacturers and users of the minimum work safety requirements for mechanical protection of machines and equipment;
- b) study safety provisions such as : visual and acoustic signalling, operating controls and in particular the ability to stop machines from any point on the face or roadway, taking account of modern means of telecommunication and remote control, electrical protection of motors in the event of overloading or jamming of equipment, lighting, etc.

K OIL, GAS AND OTHER MATERIALS EXTRACTED BY BOREHOLE

Terms of reference

1. In the light of information available on safety and health hazards and the causes of accidents during prospecting, boring and extracting to obtain petroleum, gas and other materials by the Community countries within their territory or offshore dependencies, the working party is instructed in particular :
 - a) to evaluate lessons to be drawn from several serious accidents which occurred during the evacuation of platforms off shore : recommandation on exercises for the rescue of men falling over board, for the evacuation of platforms, fire fighting, etc...
 - b) to form a study and editorial group which will study the problem of accident statistics in the specific field outlined under 1. in collaboration with the working party on Common Accident Statistics ;
 - c) to make proposals in the field of initial and refresher training for personnel of all ranks ;
 - d) to maintain contacts with the organizations and conferences working in this field, in particular with the "London Conference of Safety and Pollution Safeguards in the Development of North West European Offshore Mineral Resources" and particularly with its group III, with the "Inter-Governmental Maritime Consultative Organization", with the "International Labour Office" and the "European Diving Technology Committee".
 - e) to follow the evolution of techniques of exploiting by borehole, petroleum, gas and other materials; to up-date and develop proposals of the Safety and Health Commission for the mining and other extractive industries on the prevention of blowouts, and to propose usefull methods of controlling these in the event of a blowout occurring.

L

C O M B U S T I B L E D U S T S

Terms of reference

Taking into account the mechanism of dust combustion and of flame propagation and the various factors which may influence this, including the fact that methane is frequently involved in this phenomenon, the working party is instructed to carry out a study of precautions against dust explosions, in particular :

- a) dust neutralization (dust control in situ, stone dusting, spraying, dust fixation by means of spreading salts and coagulating pastes etc.), this study to include the comparative analysis of the regulations and instructions applied in the Community countries, along with the methods of application of the different processes,
- b) dust barriers of various types to halt dust explosions, mixed dust-methane explosions and pure methane explosions.

The working party may make any suggestions for research work considered necessary to advance the knowledge of the phenomena studied and to promote safety in these fields.

M

H E A L T H I N M I N E S

Studying, from the standpoint of technical prevention and industrial medicine, the prevention of environmental risks to the health of workers in coal mines, and other extractive industries.

1. To update the general directives concerning airborne dust control methods in coal mines during the use of power loaders and heading machines, particularly in connection with powered supports, underground crushers and rubber tyred transport vehicles.
2. Dust measurement (methods, frequency, measuring points, conclusions to be drawn etc.) and where necessary establishing a scale of comparison of the various methods employed in coal and other mines.
3. Establishment of airborne dust thresholds. Definition of categories of permissible dustiness. Steps to be taken when faced with various categories of dustiness, especially in coal mines.
4. Among the medical problems in the control of ambient health hazards to workers in mines and other extractive industries priority must be given to the study of the following factors : climate, noise, vibration, visibility and gas, in particular radon and H₂S, and other materials which might be dangerous to health.
5. To indicate the lines of research into the use of dangerous substances and to use their results to suggest appropriate action.

N

RESCUE ARRANGEMENTS,
FIRES AND UNDERGROUND COMBUSTION

A) General terms of reference

(Art. 7 of the Terms of Reference of the Mines
Safety and Health Commission)

Exchange of experience between the Community countries
on :

1. Rescue operations and action against spontaneous combustion, heatings and fires on the occasion of accidents or other events underground requiring the assistance of rescue teams, from which useful lessons have been learned ;
2. Organization of rescue operations underground and the presentation of reports every two years ;
3. The prevention of spontaneous combustion, heatings and fire outbreaks underground, the fighting and control of spontaneous combustion, heatings and fires, and reopening sealed-off workings.

B) Special terms of reference

1. Comparison of practical arrangements of rescue operations existing in the Community countries and possibly the drafting of a standard plan of procedure for the Community as a whole.
2. Exchange of experience and practical knowledge in the following fields :
 - a) methods and apparatus for the early detection of combustion, heatings and pit fires,
 - b) CO self-rescuers employing filters or oxygen and more

generally methods to protect personnel in noxious atmospheres (gas, fumes, oxygen deficiency etc.)

- c) Oxygen deficiency warning devices,
 - d) Fires in long plant,
 - e) Sealing off abandoned workings,
 - f) Specifications and testing conditions for fire-resistant fluids for mechanical power transmission.
3. Condensed comparative survey of new regulations and guidelines promulgated by the mining authorities of member countries on rescue arrangements, first aid and fire lighting and prevention.
- C) Analysis of results (partial or overall) of research projects at present in progress so as to :
- 1. Improve borehole rescue techniques,
 - 2. Define the standards to which flameproof clothing should conform.
- D) Studies to be completed on the following subjects :
- 1. Effects of a fire in shafts,
 - 2. Resources to be applied to combat the danger of explosion during firefighting : nitrogen and others.

0

COMMON ACCIDENT STATISTICS

Terms of reference

1. To extend the tables of accident statistics under ground, prepared for coal mines to all the extractive industries.

The working party shall determine the conditions for this extension and examine how the condensed statistics on socioeconomic items might be presented for all the extractive industries.

2. To establish statistics on certain occupational diseases notably, pneumoconiosis and deafness.
3. To study the possibility of introducing into the table for the coal mining industry which figures in the First Chapter of the Annual Report, other technical elements which may have an effect on the frequency of accidents.
4. In order to enable the Mines Safety and Health Commission to draw conclusions on accident prevention, the frequency of underground accidents in the Community coal mines should be examined, with the following objectives :
 1. To decide on suitable mathematical statistical systems;
 2. To evaluate, with their aid, chronological differences in frequency together with differences from country to country or coalfield to coalfield.

COMPOSITION OF THE SAFETY AND HEALTH COMMISSION FOR THE
MINING AND OTHER EXTRACTIVE INDUSTRIES
AND OF ITS WORKING PARTIES

ORGANE PERMANENT
 SAFETY AND HEALTH COMMISSION
 STAENDIGER AUSSCHUSS
 ORGANO PERMANENTE
 PERMANENT ORGAAN
 DET STAENDE UDVALG

Président/Chairman/Vorsitzender
 Presidente/Voorzitter/Formand

Ivor RICHARD

ORGANE PERMANENT
 Bâtiment Jean Monnet
 Plateau du Kirchberg
 L - 2920 LUXEMBOURG
 Tel. 43011-2786

Secrétaire/Secretary/Sekretär
 Segretario/Secretaris/Sekretær

Pierre LEMOINE

Représentants du Gouvernement
 Government Representatives
 Regierungsvertreter
 Rappresentanti Governativi
 Regeringsvertegenwoordigers
 Regeringsrepraesentent

Représentants des Employeurs
 Employer's Representatives
 Vertreter der Arbeitgeber
 Rappresentanti dei datori di lavoro
 Vertegenwoordigers v.d. werkgevers
 Repraesentent for arbejdsgiverne

Représentants des Travailleurs
 Workers' Representatives
 Vertreter der Arbeitnehmer
 Rappresentanti dei lavoratori
 Vertegenwoordigers v.d. werknemers
 Repraesentent for arbejdstagerne

Conseillers Techniques
 Technical Advisers
 Technische Berater
 Consiglieri tecnici
 Technische adviseurs
 Teknisk rådgiver

Observateurs
 Observers
 Beobachter
 Osservatori
 Waarnemers
 Observatør

REPUBLIQUE FEDERALE D'ALLEMAGNE / FEDERAL REPUBLIC OF GERMANY / BUNDESREPUBLIK DEUTSCHLAND / REPUBBLICA FEDERALE TEDESCA / BONDSREPUBLIEK DUITSLAND / FORBUNDSREPUBLICKEFN TYSKLAND

Ministerialrat Dr. Ing. R. LINTZEN
 Referat III A 1
 Bundesministerium für Wirtschaft
 Willemöbler Strasse 7c
 5300 BONN

Herrn Bergwerksdirektor G. HURCK
 Mitglied des Grubenvorstandes der
 Gewerkschaft August Victoria
 Victoriastrasse 43
 4370 MARL

Herrn H. BRINKHOFF
 I.G. Bergbau und Energie
 Hauptverwaltung
 Alte Hattinger Strasse 19
 4630 BOCHUM

Dipl. Ing. A. COENDERS
 Präsident des Landesoberbergamts
 Nordrhein-Westfalen
 Goebenstrasse 25-27
 4600 DORTMUND

Dipl. Ing. K. HORNEFFER
 Bundesministerium für Arbeit und
 Sozialordnung
 5300 BONN

Berghauptmann G. SEYL
 Leiter des Oberbergamts für das
 Saarland und das Land Rheinland-
 Pfalz
 Am Staden 17
 6600 SAARBRUCKEN

Ministerialrat H. BERG
 Ministerium für Wirtschaft,
 Mittelstand und Verkehr
 Land Nordrhein-Westfalen
 Haroldstrasse 4
 4000 DUSSELDORF

Dipl. Ing. G. FUERNER
 Präsident des Oberbergamtes
 Clausthal-Zellerfeld
 Hindenburgplatz 9
 3392 CLAUSTRAL-ZELLERFELD

BELGIQUE / BELGIUM / BELGIEN / BELGIO / BELGIE / BELGIEN

J. VEDAETS
Directeur Generaal der Mijnen
Ministerie van Economische Zaken
30, rue De Mot
1040 BRUXELLES

G. DEGUELDRE
Conseiller à l'Institut d'Hygiène
des Mines
22, Hovermarkt
3500 HASSELT

J. OLYSLAEGERS
Président National de la Centrale
Syndicale des Travailleurs des
Mines de Belgique
8, rue Joseph Stevens
1000 BRUXELLES

E. VANDENDRIESSCHE
Secrétaire général de la Centrale
des France-mineurs
113, rue Trazegnies
6180 COURCELLES

(Statiestraat 78 A
3530 HOUTHALEN)

J. STASSEN
Inspecteur général des Mines
49, rue des Augustins
4000 LIEGE

FRANCE / FRANCE / FRANKREICH / FRANCIA / FRANKRIJK / FRANKRIG

H. BOULICAULT
Ingénieur en Chef des Mines
Chef du Service des Techniques du
Sous-sol
Ministère de l'Industrie
99, rue de Grenelle
75700 PARIS

M. BIEAU
Service Technique des Charbonnages
de France
9, avenue Percier
75800 PARIS

J. FOUBET
86, avenue Emile Zola
75015 PARIS

S. NOWAK
Secrétaire du Syndicat des Mineurs
2, rue Nansen
62300 LENS

R. SCHNELL
Conseil général des Mines
Ministère de l'Industrie et de la
Recherche
5, rue Barbet de Jouy
75700 PARIS

L. KOCH
Ingénieur général des mines
Conseil général des Mines
Ministère de l'Industrie et de la
Recherche
5, rue Barbet de Jouy
75700 PARIS

LUXEMBOURG / LUXEMBURG / LUSSEMBURGO

A. SCHUSTER
Ingénieur
Directeur du Travail et des Mines
(Inspection du Travail et des Mines)
2, rue des Girondins
LUXEMBOURG

A. RAUCHS
Ingénieur Principal
ARBED
ESCH/RELVAL

J. BIRDEN
Directeur Adjoint du Travail et des
Mines
2, rue des Girondins
LUXEMBOURG

ITALIE / ITALY / ITALIEN / ITALIA / ITALIE

Prof. Dott. Ing. A. GALATI
Ministerio dell'Industrie e del
Commercio
Direzione generale delle miniere
Via Veneto 33
00100 ROMA

Prof. M. CARTA
Istituto arte mineraria della
facoltà d'ingegneria
Piazza d'Armi
09100 CAGLIARI

Dott. Giorgio CRAVIOTTO
E.T.S.I. - C.I.S.L.
Via Tevere 46
00198 ROMA

Dott. C. MICHELAZZI
Ispettore generale del Ministero
del Lavoro e della Previdenza Sociale
Via Andrea Fulvio 10
00162 ROMA

Ing. F. SCIUTO
Direzione generale Miniere
Direttore della divisione V dell'
Ufficio Nazionale Minerario per gli
Idrocarburi
Via Molise 2
00187 ROMA

Dott. N. RICCIARDI-TENORE
Ispettore generale medico
Capo del' Ispettorato Medico
Centrale del Lavoro
Ministero del Lavoro e della
Previdenza Sociale
Via XX Settembre 97c
00187 ROMA

PAYS-BAS / NETHERLANDS / NIEDERLAENDE / PAESI-BASSI / NEDERLAND / NEDERLANDENE

J.W. DE KORVER
Inspecteur generaal der mijnen
Staatstoezicht op de mijnen
J.W. Frisclaan 3
517 JS - DEN HAAG

M. VAN DER EIJCK
Operations Manager
Nederlandse Aardoliemaatschappij BV
Scheperstraat 2
9405 TA - ASSEN

Th. M. JANSEN
Inspecteur der mijnen
Staatstoezicht op de mijnen
Apollolaan 9
6411 BA - HEERLEN

IRLANDE / IRELAND / IRLAND / IRLANDA / IERLAND

J. STAPLETON
Principal officer
Department of Labour
Anley House
Mespil Road
DUBLIN 4

J.M. LAYDEN
Arigna Collieries
Arigna, Co Leitrim
CARRICK-ON-SHANNON

S. TRACEY
Natural Resources Unit
Irish Transport and General
Workers Union
Liberty Hall
DUBLIN 1

J. SINCLAIR
Grade 1 Industrial Inspector
Department of Labour
Anley House
Mespil Road
DUBLIN 4

ROYAUME UNI / UNITED KINGDOM / VEREINIGTES KOENIGREICH / REGNO UNITO / VERENIGD KONINKRIJK / DET FORENEDE KONGERIGE

A. HARLEY
Chief Inspector of Mines and Quarries
Health and Safety Executive
Regina House
259/269 Old Marylebone Road
LONDON NW1 5RR

B. GODDARD
Director of Mining Environment
National Coal Board
The Lodge
South Parade
DONCASTER - Yorkshire

R. McGAHEY
Vice President of the National
Union of Mineworkers
5, Hillside Crescent
EDINBURGH
Scotland

A. BULMER
Head of Safety and Engineering
Department
National Union of Mineworkers
222, Euston Road
LONDON NW1 2BX

E.J.H. NICHOLAS
Health and Safety Executive
Safety Policy Division Branch C
Regina House
259/269 Old Marylebone Road
LONDON NW1 5RR

J.S. MARSHALL
Deputy Chief Inspector of Mines
and Quarries
Health and Safety Executive
Regina House
259/269 Old Marylebone Road
LONDON NW1 5RR

DANEMARK / DENMARK / DAENEMARK / DANIMARCA / DENEMARKEN / DANMARK

B. SVENDSEN
Fabriksinspektør
Arbejdstilsynet Groenlands Kreds
Direktoratet for Arbejdstilsynet
Rosenvaengets Allee 16
2100 KØBENHAVN Ø

K. SPRUNK-JANSEN
Direktør
Greenex A/S
Landemaerket 10
1119 KØBENHAVN K

D. BUCH
Afdelingsingeniør
Ministeriet for Groenland
Hausergade 3
1128 KØBENHAVN K

ORGANISATION INTERNATIONALE DU TRAVAIL / INTERNATIONAL LABOUR ORGANIZATION / INTERNATIONALE ARBEITSORGANISATION / ORGANIZZAZIONE INTERNAZIONALE DEL LAVORO / INTERNATIONALE ARBEIDSORGANISATIE / I.L.O.

M. le Directeur Général du
B.I.T.
1211 GENEVE 22

COMPOSITION OF THE SAFETY AND HEALTH COMMISSION FOR THE
MINING AND OTHER EXTRACTIVE INDUSTRIES AND OF ITS WORKING PARTIES

A. SAFETY AND HEALTH COMMISSION

B. RESTRICTED COMMITTEE

- Secretariat P. LEMOINE

- WORKING PARTIES :

C. Ventilation, firedamp and other mine gases W. OBST

Committee of Experts :

C1. Firedamp monitoring instruments W. OBST

D. Winding ropes and shaft guides, winding engines
and winches H.J. WETEKAM

Committee of experts :

D1. Winding ropes H.J. WETEKAM

D2. Winding engines H.J. WETEKAM

E. Strata control and stability of ground P.A. WALKER

Committee of experts :

E1. Stability of tips P.A. WALKER

F. Electricity W. OBST

G. Human factors affecting safety W. OBST

Committee of experts :

G1. Community safety campaigns W. OBST

I. Mechanization H.J. WETEKAM

K. Oil, gas and other materials extracted by borehole. P.A. WALKER

Committees of experts :

K1. Prevention of blowouts P.A. WALKER

K2. Man overboard emergencies P.A. WALKER

K3. Oil and gas accident statistics P.A. WALKER

L. Flammable dusts H.J. WETEKAM

M. Health in mines P. LEMOINE

Committees of experts :

M1. Respirable dusts P. LEMOINE

M2. Noise P. LEMOINE

N.	Rescue arrangements, mine fires and underground combustion	P.A. WALKER
	Committees of experts :	
	N1. Stabilization of ventilation	P.A. WALKER
	N2. Fire-resistant fluids	P.A. WALKER
	N3. Conveyor belts and other long items of plant ...	P.A. WALKER
	N4. Self-rescuers	P.A. WALKER
	N5. Safety signs	P.A. WALKER
O.	Common accident statistics	W. OBST

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

Alfons BAEYENS	Technisch Ingenieur bij de N.V. Kempense Steenkolenmijnen Minderbroederstraat 5 B - 3550 HEUSDEN-ZOLDER	F
Joseph BRACKE	Hoofdingenieur- Directeur der Mijnen Institut national des industries extractives RUE GRANDE 60 B - 7260 PATURAGES	F L N N2 N3 P
BRYCH	Faculté polytechnique de Mons Rue Houdain 9 B - 7000 MONS	K K1
P. CAJOT	Inspecteur Général des Mines Ministère des Affaires Economiques Rue De Mot 30 B - 1040 BRUXELLES	K K3
J.B. CAZIER	Ingénieur Principal des Mines Administration des Mines Centre Albert 4, Place Albert 1er, boîte 5 B - 6000 CHARLEROI	M
L. COLINET	Chef du Service de Sécurité-Hygiène CHARBONNAGES DE ROTON-FARCIENNES Rue Le Campinaire 154 B - 6240 FARCIENNES	C G1
DAENENS	Professeur LABORATORIUM VOOR TOXICOLOGIE KUL Van Evenstraat 4 B - 3000 LEUVEN	N2 P

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

J. DE BACKER	Ing.-Principal des Mines Administration des Mines Rue De Mot 30 B - 1040 BRUXELLES	O
F. DECKERS	Divisiédirecteur der Mijnen Demerstr.81-4de verdieping B - 3500 HASSELT	I I1
E. DE GROOT	e.a. Mijningenieur Adminstr.van het Mijnwezen Afdeling Kempen Demerstr.81-4de verdieping B - 3500 HASSELT	G
F. DECKERS	Divisiédirecteur der Mijnen Demerstr.81-4de verdieping B - 3500 HASSELT	I I1
DEGUELDRE	Conseiller à l'INSTITUT D'HYGIENE DES MINES Havermarkt 22 B - 3500 HASSELT	A M M1 M2
Philippe DOM	Directeur S.A. FORAKY 15, place des Barricades B - 1000 BRUXELLES	K
Charles FRENAY	Directeur Divisionnaire des Mines Division du Hainaut 4, Place Albert Ier - Bte 5 B - 6000 CHARLEROI	N2
P. GOFFART	Ingénieur en Chef, Directeur des Mines Administration des Mines Rue De Mot 30 B - 1040 BRUXELLES	L

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

H. GREGOIRE	Inspecteur Generaal der Mijnen Administratie van het Mijnwezen Rue De Mot 30 B - 1040 BRUSSEL	C C1 N N4 N5 P
E. JACQUES	Département de Thermodynamique Place du Levant 2 B - 3000 LOUVAIN LA NEUVE	N1
J. Ch. JANSEN	Administrateur Principal D.G. Marché Intérieur et Affaires Industrielles de la Loi 200 B - 1049 BRUXELLES	F
JANSEN	Ingenieur N.V. KEMPENSE STEENKOLENMIJNEN Kolenmijnlaan 48B B - 3540 HEUSDEN-ZOLDER	G
G. LECLERQ	Directeur des Travaux à la S.A. des Charbonages de Roton-Farciennes et Oignies-Aiseau Rue Destrée 20 B - 6258 LAMBUSART	E
MAUFORT	Koolmijnlaan 194 B - 3560 BERINGEN	I
J. MAYNE	Directeur du Centre de Coordination de Sauvetage du Bassin de Campine Kempische Steenweg 555 B - 3500 HASSELT	L L1 N N3

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

**Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne**

Jean MEDAETS	Directeur Generaal van het Mijnwezen Ministerie van Economische Zaken en Energie De Mot-straat 30 B - 1040 BRUSSEL	A B I
G. MIGNION	Ing.en Chef, Directeur Administration des Mines Direction Gen. des Mines Centre Albert 4, place Albert Ier, Bte 5 B - 6000 CHARLEROI	D D1 E1
Jan OLYSLAEGERS	President National de la Centrale Syndicale des Travailleurs des Mines de Belgique 8, rue Jos.Stevens B - 1000 BRUXELLES	A I
J.-Camille PAREE	E.a. Divisiemijnningenieur Administratie van het Mijnwezen Afdeling Kempen Demerstr.81-4de verdieping B - 3500 HASSELT	E
J. PATIGNY	Professeur UNIVERSITE DE LOUVAIN Batiment Stevin Place du Levant 2 B - 1348 LOUVAIN-la-NEUVE	C
Lucien PERWEZ	Ingenieur en Chef Directeur des Mines Administration des Mines 25 Bld. Frère Orban B - 4000 LIEGE	K2
Albert PLEVOETS	Waarnemend e.a.,divisiemijn-ingenieur Administratie van het Mijnwezen Afdeling Kempen Demerstr.81-4de verdieping B - 3500 HASSELT	D M M2

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

Y. PUT	Ingénieur en Chef-Directeur Administration des Mines rue de Spa 13 B - 4000 LIEGE	G M1
A. RENDERS	Voorzitter van de Centrale der Vrije Mijnwerkers Oudergemselaan 26-32 B - 1040 BRUSSEL	E
L. RZONZEF	Ingénieur en Chef Directeur des Mines Administration des Mines Rue de Mot 30 B - 1040 BRUXELLES	F M
J. STASSEN	Inspecteur Général des Mines Administration des Mines Bld. Piercot 38, Bte 091 B - 4000 LIEGE	A B F N
Robert STENUIT	66, Avenue de la Libération B -1640 RHODE ST GENESE	N1
Pierre TAMO	Ingénieur Principal Ateliers de constructions électriques de Charleroi Av. E. Rousseau B - 6001 MARCINELLE	F
H. TRONNIER	Secrétaire General du CENELEC 2, Rue Brederode B - 1000 BRUXELLES	F
E. VANDENDRIESSCHE	Secrétaire General de la Centrale des Francs-Mineurs 113, Rue de Trazegnies B - 6180 COURCELLES	A C G N5

BELGIQUE - BELGIUM - BELGIEN - BELGIO - BELGIE - BELGIEN

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

VERWILST

Association des Industriels D
de Belgique -A.I.B.-
Avenue A. Drouart 29

B - 1160 BRUXELLES

**DANEMARK - DENMARK - DAENEMARK - DANIMARCA
DENEMARKEN - DANMARK**

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Ole BRUUN	Ekspeditionssekretaer for Arbejdstilsynet Rosenvaengets Allé 16-18 DK - 2100 KOEBENHAVN OE	O
DAN BUCH	Afdelingsingenioer MINISTERIET FOR GROENLAND Hausergade 3 DK - 1128 KOEBENHAVN K	A B K
Søren ENEVOLDSEN	Petroleum Engineer, M. Se. DANISH ENERGY AGENCY Landemaerket 11 DK - 1119 KOEBENHAVN K	K K2 K3
Erling NIBE	Fabriksinspektoer Direktoratet for Arbejdstilsynet Rosenvaengets Allé 16-18 DK - 2100 KOEBENHAVN OE	K
J. Douglas PETERSEN	Sikkerhedschef DANSK BORELSKAP A/S Esplanaden 10 DK - 1098 KOEBENHAVN K	K
E. SPRUNK-JANSEN	GREENEX A/S Landemaerket 50 DK - 1119 KOEBENHAVN K	A
Peter Helmer STEEN	Danish Energy Agency Landemaerket 11 DK - 1401 KOEBENHAVN K	K1
Boris SVENDSEN	Fabriksinspektoer Arbejdstilsynets Groenlands Kreds Direktoratet for Arbejdstilsynet Rosenvaengets Allé 16-18 DK - 2100 KOEBENHAVN OE	A B K1 M N5 P

BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND

Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

AMBOS	Oberbergamt Hindenburgplatz D - 3392 CLAUSTHAL-ZELLERFELD	K3
Erhard BALTZER	SIEMENS A.G. Schaltwerk-Abt. TP N 5 Postfach 140 D - 1000 BERLIN 13	F
F.K. BASSIER	Bergwerksdirektor Bergbau A.G. Niederrhein Bergwerksdirektion Walsum Postfach 88 D - 4132 KAMP-LINTFORT	I
Karl BECKER	Seilprüfstelle der Westfälischen Berggewerkschaftskasse Dinnendahlstr. 9 D - 4630 BOCHUM	I
BENTHE	Pharmakologisches Institut der Universität Hamburg Martinistrasse 52 D - 2000 HAMBURG	N2
H. BERG	Ministerialrat Ministerium für Wirtschaft Land Nordrhein-Westfalen Haroldstrasse 4 D - 4000 DUSSELDORF	A G
K. BOEHM	c/o DEUTSCHE TEXACO A.G. Überseering 40 D - 2000 HAMBURG 60	K
Walter BOTH	Bergingenieur Hauptstelle für das Grubenrettungs- wesen des Steinkohlenbergbauvereins Schönscheidstr.28 D - 4300 ESSEN-KRAY	N1 N3
G. BRAUNER	Steinkohlenbergbauverein Postfach 13 01 40 D - 4300 ESSEN 13	E
Hans BREUER	Leiter der Hauptstelle für Staubbekämpfung und Pneumokonioseverhütung BERGBAU FORSCHUNG GmbH Hans Fischer Weg 61 D - 4300 ESSEN 13	M M1

**BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND**

**Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne**

H. BRINKHOFF	I.G. Bergbau und Energie Hauptverwaltung Alte Hattinger Strasse 19 D - 4630 BOCHUM	A C L N5
Wolfgang BUJAK	Gewerkschaftssekretär Abt. Arbeitsschutz IG BERGBAU UND ENERGIE Alte Hattinger Str. 19 D - 4630 BOCHUM 1	G M
H.G. CALLM	Oberingenieur AEG-TELEFUNKEN Abt. P 5 Postfach 120 D - 5750 MENDEN	F
Heinz DREYER	Oberbergamt Clausthal-Zellerfeld Hindenburgplatz 9 D - 3392 CLAUSTHAL-ZELLERFELD	P
EICKER	Prüfstelle für Gruben- bewetterung der Westfälischen Berggewerkschaftskasse Hernerstrasse 43-45 D - 4630 BOCHUM	C1
Manfred FRONZ	Bergassessor a.D. Geschäftsführer der Westfälischen Berggewerkschaftskasse Herner Strasse 45 D - 4630 BOCHUM	G
G. FUERER	Präsident des Oberbergamtes CLAUSTHAL-ZELLERFELD Hindenburgplatz 9 D - 3392 CLAUSTHAL-ZELLERFELD	A
K.H. GEORGI	Gewerkschaftssekretär Leiter der Geschäftsstelle Fuhrberger Strasse 21 D - 3100 CELLE	K
Paul GOETTIG	Bergwerksdirektor Eschweiler Bergwerksverein A.G. Roermonder Strasse 63 D - 5120 HERZOGENRATH	C

BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND

Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

U. GROTOWSKY	Bergwerksdirektor der Bergbau A.G. Gelsenkirchen Bergwerksdirektion Hugo Postfach 1727 D - 4650 GELSENKIRCHEN	E
Werner HACKENBERG	Seilprüfstelle der Westfälischen Berggewerkschaftskasse Dinnendahlstrasse 9 D - 4630 BOCHUM	I 1
Emil HADAMITZKY	Ministerialrat Bayrisches Staatsministerium für Wirtschaft und Verkehr Prinzregentenstrasse 28 D - 8000 MUENCHEN 22	G
E.A. HAHN	Bergdirektor Landesoberbergamt Nordrhein-Westfalen Goebenstrasse 25 D - 4600 DORTMUND	D D2
E. HAIBACH	Leiter der Seilprüfstelle der Westfälischen Berggewerkschaftskasse Herner Strasse 45 Postfach 10 27 49 D - 4630 BOCHUM	D D2
Heinz HARNISCH	Bergassessor a.D. Paul Geisler Weg 9 D - 4600 DORTMUND-LUECKLENBERG	E I
R. HELFFERICH	Dipl.-Ing. Geschäftsführer der DEILMANN-HANIEL GmbH Haustenbecke 1 D - 4600 DORTMUND 13	D
P. HERMANN	Direktor Technischer Überwachungsverein e.V. Steubenstrasse 53 D - 4300 ESSEN	N2
K.D. HERMS	BERGBAU AG NIEDERRHEIN Verwaltung Homberg Postfach 17 02 60 D - 4100 DUISBURG 17	F

**BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND**

**Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne**

HEYN	VERSUCHSGRUBENGESELLSCHAFT M.B.H. Tremoniastrasse 13 D - 4600 DORTMUND	N2 N3
Jürgen HIPPLER	Gewerkschaftssekretär IG BERGBAU UND ENERGIE Alte Hattinger Strasse 19 D - 4630 BOCHUM 1	G N
Kaspar HORNEFFER	BUNDESMINISTERIUM FUER ARBEIT UND SOZIALORDNUNG D - 5300 BONN	A B M2
Gerhard HURCK	Bergwerkdirektor Mitgl. des Grubenvorstandes der Gewerkschaft A. Victoria Victoriastrasse 43 D - 4370 MARL	A
IRRESBERGER	Leiter der Forschungsstelle für Grubenausbau und Gebirgsmechanik Steinkohlenbergbauverein Postfach 13 01 40 D - 4300 ESSEN 13	E
Josef KANTOR	Bergwerksdirektor Postfach 640 D - 4250 BOTTROP	C
A. KEUSGEN	Regierungsdirektor BUNDESMINISTERIUM FUER WIRTSCHAFT Villemomblerstrasse 76 D - 5300 BONN	A B D E E1 G G1 M
Fritz KILLING	Berggewerkschaftliche Versuchsstrecke und Sprengsachverständigenstelle Beylingstrasse 65 D - 4600 DORTMUND-DERNE	F
Rudolf KOCH	Bergdirektor Oberbergamt Clausthal-Zellerfeld Hindenburgplatz 9 D - 3392 CLAUSTHAL-ZELLERFELD	K K1 K3

BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLICKEN TYSKLAND

Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

F.J. KOCK	Leiter der Hauptstelle für das Grubenrettungswesen Steinkohlenbergbauverein Franz-Fischer-Weg 61 D - 4300 ESSEN	N N4
Hermann KOEHNE	Bergbau-Forschung GmbH. Frillendorferstr. 351 D - 4300 ESSEN-KRAY	N3
Manfred KOPKE	I.G. Bergbau und Energie Hauptverwaltung Alte Hattingerstrasse 19 Postfach 1229 D - 4630 BOCHUM	M
U. KROPP	Bergwerksdirektor PREUSSAG A.G. KOHLE Postfach 360 D - 4530 IBBENBUEREN	I
LEVIN	Bergbau-Berufsgenossenschaft Hauptverwaltung Postfach 10 04 29 D - 4630 BOCHUM 1	G1 M M2
Siegfried MADER	Bergassessor Gesamtverband des Deutschen Steinkohlenbergbaus Friedrichstrasse 1 D - 4300 ESSEN 1	G
Rudi MUELLER	Betriebsdirektor Leiter der Hauptrettungs- stelle in Friedrichsthal D - 6605 FRIEDRICHSTHAL	N
Kurt PALM	Abteilungsdirektor Landesoberbergamt Nordrhein-Westfalen Goebenstrasse 25-27 D - 4600 DORTMUND	C N N3
H.G.PATZKE	Oberbergamt CLAUSTHAL-ZELLERFELD Hindenburgplatz 9 D - 3392 CLAUSTHAL-ZELLERFELD	O

BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND

Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Phillip K. PFANNENSTIEL	Steinkohlenbergbauverein Franz Fischer Weg 61 D - 4300 ESSEN-KRAY	F P
C.A. PRIMAVESI	Hygiene-Institut des Ruhrgebietes Rotthausenstrasse 19 D - 4650 GELSENKIRCHEN	N2
Dieter REEH	Ass. des Bergfachs Bergbau-Versuchsstrecke Beylingstrasse 65 D - 4600 DORTMUND 14	L
Jürgen REICHEL	Steinkohlenbergbauverein Franz-Fischer-Weg 61 D - 4300 ESSEN	N2
Kurt REINKE	Geschäftsführer Versuchsgrubengesellschaft mbH. Tremoniastrasse 13 D - 4600 DORTMUND	L N
H. RITTER	Bergdirektor LANDESOBERBERGAMT NORDRHEIN-WESTFALEN Goebenstrasse 25-27 D - 4600 DORTMUND	E
H. ROEHLINGER	Leiter der Seilprüfstelle der Saarbergwerke AG. Triererstrasse 1 D - 6600 SAARBRUECKEN	D
Karl ROESGEN	Erster Bergrat a.D. Steinkohlenbergbauverein Abteilung Grubensicherheit Frillendorferstrasse 351 D - 4300 ESSEN-KRAY	L O
R. ROETTGER	RUHRKOHLE A.G. Postfach 5 D - 4300 ESSEN	G
Manfred SCHNIER	BERGBAU A.G. WESTFALEN Silberstrasse 22 D - 4600 DORTMUND 1	L L1

BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLICKEN TYSKLAND

Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Walter SCHOETTELNDREIER	Bergdirektor Landesoberbergamt Goebenstrasse 25 D - 4600 DORTMUND	F
Eduard SCHUBERT	Leiter der Prüfstelle für Grubenbewetterung der Westfälischen Berggewerk- schaftskasse Hernerstrasse 43-45 D - 4630 BOCHUM	C N1
Andreas SEELIGER	Leiter Inst. für Maschinen-Technik Westfälische Berggewerkschaftskasse Postfach 10 27 49 D - 4630 BOCHUM	I
Gustav SEYL	Oberbergamt für das Saarland und das Land Rheinland-Pfalz Am Staden 17 D - 6600 SAARBRUECKEN	A B
Werner SLONINA	Versuchsgrubengesellschaft m.b.H. Tremoniastrasse 13 D - 4600 DORTMUND	D1 D
G. STRAKERJAHN	Bergdirektor Landesoberbergamt Nordrhein-Westfalen Goebenstrasse 25 D - 4600 DORTMUND	N5 O
Günter THIELEN	Bergdirektor Oberbergamt für das Saarland und das Land Rheinland-Pfalz Am Staden 17 D - 6600 SAARBRUECKEN	E L
Klaus TRAEGER	Landesoberbergamt Nordrhein-Westfalen Goebenstrasse 25 D - 4600 DORTMUND	I I1 N2

**BUNDESREPUBLIK DEUTSCHLAND - REPUBLIQUE FEDERALE D'ALLEMAGNE
FEDERAL REPUBLIC OF GERMANY - REPUBBLICA FEDERALE TEDESCA
BONDSREPUBLIC DUTSLAND - FORBUNDSREPUBLIKKEN TYSKLAND**

**Groupe de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne**

E. ULRICH

Seilprüfstelle der
Westfälischen
Berggewerkschaftskasse
Dinnendahlstrasse 9
D - 4630 BOCHUM

D D1

Ernst zur NIEDEN

Leiter der Hauptabteilung
Ausbildung:Arbeitssicher-
heit Arbeitsmedizin der Ruhrkohle AG
Rüttenscheider Strasse 1
D - 4300 ESSEN 1

M

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

André AGOSTINI	Zone Artisanale de Tournebride F - 57160 MOULINS LES METZ	D
AMOUDRU	Médecin-Chef Charbonnages de France 9, Avenue Percier B.P. 396-08 F - 75360 PARIS, Cédex 08	N2
BAUDIER	Ingénieur des T.P.E. Direction Interdepartementale de l'Industrie Lorraine 1 rue Eugene Schneider F - 57045 METZ, Cedex	P
BENECH	Charbonnages de France Service Technique 9, Avenue Percier B.P. 396-08 F - 75360 PARIS, Cédex 08	E
BIEAU	Directeur des Services Techniques des Charbonnages de France 9, Avenue Percier B.P. 396-08 F - 75360 PARIS, Cedex 08	A
Guy BLANPAIN	Ingénieur Laboratoire au Centre d'Etudes et de Recherches des Charbonnages de France B.P. 2 F - 60550 VERNEUIL-EN-HALATTE	N2
Marcel BOULICAULT	Ingénieur en Chef des Mines Chef du Service des Techniques du Sous-Sol MINISTERE DE L'INDUSTRIE 99, rue de Grenelle F - 75700 PARIS	A B D D1
N. BOUTIER	5, rue du Maréchal Juin F - 62800 LIEVIN	N3
BOUTONNAT	CERCHAR Boîte Postale 2 F - 60550 VERNEUIL-EN-HALATTE	C1

FRANCE - FRANKREICH - FRANZIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Bruno CAULI	Ingénieur Serv.Techn. et Reglement CHARBONNAGES DE FRANCE 9, avenue Percier B.P. 396-08 F - 75360 PARIS, CEDEX 08	F N5
CHAMPAGNAC	93 Rue Falguiere F - 75 015 PARIS	N1
Jean CRETIN	Ingénieur Principal Poste Central de Secours BELLE-ROCHE F - 57 802 FREYMING-MERLEBACH	N1
DAVID	HOULLERES DE BLANZY F - 71 300 MONTCEAU-les-MINES	N
DE SAINT-MELEUC	Direction des Services Techniques CHARBONNAGES DE FRANCE 9, avenue Percier B.P. 396-08 F - 75360 PARIS, Cedex 08	C M
Michel DEJEAN	Chef du Groupe Terrains CERCHAR Ecole des Mines Parc du Saurupt F - 54000 NANCY	E
DELCLAUX	Laboratoires du Cerchar Verneuil-en-Halatte B.P.2 F - 60550 VERNUEIL-EN-HALATTE	N3
DENIAU	Directeur de SAMIFER 19 Rue de Metz F - 54 000 BRIEY	P
G. DERAMAUX	Fédération des Mineurs CFTC 15 Rue Roger Salengro F - 62410 HULLUCH WINGLES	G

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Michel DOLIGEZ	Ing. Princ. Chef du Siège 19 HOUILLERES DU BASSIN DU NORD ET DU PAS DE CALAIS 12, rue Emile Combes F - 62300 LENS	C L
FAYARD	Houillères du Bassin de Lorraine 2, rue de Metz F - 57 802 FREYMING-MERLEBACH	N N1
J. FOUBET	86 avenue E. Zola F - 75 015 PARIS	A
FROGER	Chef du Groupe de Recherche 'Aérage' CERCHAR B.P. 2 F - 60550 VERNEUIL-EN-HALATTE	C
Gilles GARNIER	Ingénieur Principal Service Technique et Règlementation CHARBONNAGES DE FRANCE 9, avenue Percier B.P. 396.08 F - 75 360 PARIS, Cedex 08	G I1 N O P1
GILLOZ	Ingénieur Civil des Mines Conseil Général des Mines 5, rue Barbet de Jouy F - 75700 PARIS	K

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

M. GILTAIRE	Ingénieur Centre d'Etudes et de Rech. des Charbonnages de France B.P. 2 F - 60550 VERNEUIL EN HALATTE	L L1
GOUILLOUX	Charbonnages de France Service Technique 9 Avenue Percier B.P. 396-08 F - 75 360 PARIS, CEDEX 08	E
GRAGEZ	Ing. en Chef des Mines Service de l'Industrie et des Mines de Rhône Alpes 11, rue Curie F - 69 456 LYON, CEDEX 3	I
HERVE	Ingénieur à la Direction des Services Techniques des Charbonnages de France 9, Avenue Percier B.P. 396-08 F - 75360 PARIS CEDEX 08	D N2
Roger ISNER	Ingénieur Principal Houillères du Bassin du Nord et du Pas-de-Calais 20 Rue des Minimes F - 59 508 DOUAI	I
C. JAGUSINSKI	1, rue de la Forêt Ruelisheim F - 68 270 WITTENHEIM	M
Gerard KIENER	16, avenue Foch F - 68 190 ENSISHEIM	I

FRANCE - FRANKREICH - FRANZIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Louis KOCH	Ingénieur Général des Mines Conseil Général des Mines MINISTERE DE L'INDUSTRIE 5, rue Barbet de Jouy F - 75 700 PARIS	A L O
LAMATY	Ingenieur au Service P.E.M. Direction des Travaux du Jour Houillères du Bassin de Lorraine F - 57 800 MERLEBACH	D D1
LANDIER	Ingénieur Principal aux Charbonnages de France 9 avenue Percier B.P. 396-08 F - 75 360 PARIS, CEDEX 08	O
LE BOUFFANT	Chef du Departement Physique- Biologie Laboratoire du CERCHAR B.P. 2 F - 60 550 VERNEUIL-EN-HALATTE	N2
Yves LE GAL LA SALLE	Département Sécurité Environnement-Sûreté Société Nationale Elf-Aquitaine Tour Générale F - 92 080 PARIS LA DEFENSE	K2
R. LELEUX	Ingenieur Divisionnaire des T.P.E.(Mines) Chef du Groupe de Subdivisions de Bethune 297 Rue Michelet F - 62 400 BETHUNE	C
Jean-Jacques LIABEUF	Service Formation CHARBONNAGES DE FRANCE 9, Avenue Percier B.P. 396-08 F - 75 360 PARIS, Cedex 08	G
Jacques LUX	CHARBONNAGES DE FRANCE 9 avenue Percier B.P. 396-08 F - 75 360 PARIS, Cedex 08	L M

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

MACART	Ingenieur des T.P.E. Direction des Carburants MINISTERE DE L'INDUSTRIE 5, rue Barbet de Jouy F - 75 700 PARIS	K
J.C. MARTIN	Dept. Physique-Biologie Lab. du Centre d'Etudes et de Recherches des Charbonnages de France B.P. 2 F - 60550 VERNEUIL-EN-HALATTE	N2
M. MATHEUS	Direction Interdeparte- mentale de l'Industrie Aquitaine-Poitou-Charentes 26, Cours Xavier Arnozan F - 33 076 BORDEAUX, CEDEX	K K1 K3
A. MONOMAKHOFF	Ingénieur Chef du Groupe Agrément-Sécurité-Centre de Recherches des Charbonnages de France B.P. 2 F - 60 550 VERNEUIL-EN-HALATTE	F
MONTAGNE	Président Directeur Général de la Societe Alsacienne d'installations techniques B.P. 24 F - 67 000 SAVERNE	F
Stanislas NOWAK	Secrétaire du Syndicat des Mineurs -Force Ouvrière- 2, rue Nansen F - 62 300 LENS	A L N4
Pierre ODIER	Chef du Service Central Sécurité et Environnement d'ELF R.E. Tour Aquitaine F - 92 080 PARIS LA DEFENSE, Cedex 4	K

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Henri POCHELSKI	Ingenieur des P.T.E. Service des Mines Cité Administrative F - 49 043 - ANGERS, CEDEX	E
Michel POILEVE	Directeur du Poste Central de Secours des Houillères du Nord et du Pas-de-Calais Notre-Dame de Lorette F - 62 300 LENS	D D2 N
L. POIRIER	17, bis, rue Leenhardt F - 34000 MONTPELLIER	D1
R. POIROT	Ingénieur CERCHAR B.P. 2 F - 60550 VERNEUIL-EN-HALATTE	E1
PORTAL	CHARBONNAGES DE FRANCE 9 Avenue Percier B.P. 396-08 F - 75 360 PARIS, Cedex 08	M2
Jean PROFIZI	Service-Etudes aerauliques et Centre de Calcul d'Aerage HOUILLERES DU BASSIN DE LORRAINE 5, rue Ambroise Thomas F - 57 800 FREYMING	C N1
André PUYO	Division Opérations Département Exploitation SNEA (P) 26 Avenue des Lilas F - 64 000 PAU	K1
Camille ROGEZ	Ingénieur Divisionnaire des T.P.E. Le Boréon A. Domaine du Loup F - 06800 CAGNES SUR MER	N

FRANCE - FRANKREICH - FRANCIA - FRANKRIJK - FRANKRIG

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Bernard SCHNELL	Conseil Général des Mines Ministère de l'Industrie, du Commerce et de l'Artisanat 5, rue Barbet de Jouy F - 75 700 PARIS	A B M M1
Czeslaw STAIN	Direction interdépar- tementale de l'Industrie 50, rue Rémilly F - 78 000 VERSAILLES	F M2
TCHOULAKIAN	Chef du Service Matériel et Approv. des Charbonnages de France 9 Avenue Percier B.P. 396-08 F - 75 360 PARIS, CEDEX 08	N3
Louis TOURRAND	90, rue de la Pagée F - 69 500 BRON	E
N. TRETIAKOW	Ingenieur 18 avenue du Belloy F - 78 110 LE VESINET	F N4
André TRICOIRE	Ingenieur des Mines Service de l'Industrie et des Mines de Lorraine 6, Place du Roi Georges F - 57 000 METZ	G P
L. VIELLEDENT	Ingénieur Général des Mines Conseil Général des Mines Lotissement "La Redouro" La Madrague Giens-en-Presqu'Ile F - 83 400 HYERES	N
VO VAN QUI	Ingénieur des Mines Service des Mines Nord-Pas de Calais 941 Rue Charles Bourseul F - 59 508 DOUAI	L
François WANECQ	Ingénieur des Mines Service de l'Industrie et des Mines d'Aquitaine-Poitou-Charentes 26 Cours Xavier Arnozan F - 33 076 BORDEAUX	K K2

IRELAND - IRLANDE - IRLAND - IRLANDA - IERLAND

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

J. CHESTER	Department of Labour Davitt House Mespil Road IRL - DUBLIN 4	K K3
J.M. LAYDEN	Arigna Collieries Ltd. ARIGNA IRL - CARRICK-ON-SHANNON, Co Leitrim	A
Noel O'RIORDAN	Dip.I.E.,C.Eng. Grade II Industrial Inspect. Dept. of Labour Davitt House Mespil Road IRL-DUBLIN 4	F
J. SINCLAIR	Grade 1 Industrial Inspector Department of Labour Davitt House Mespil Road IRL-DUBLIN 4	A B M P
James STAPLETON	Principal Officer DEPARTMENT OF LABOUR Davitt House Mespil Road IRL - DUBLIN 4	A B
S. TRACEY	National Group Secretary IRISH TRANSPORT AND GENERAL WORKERS UNION Liberty Hall IRL - DUBLIN 1	A K

ITALIA - ITALIE - ITALY - ITALIEN - ITALIE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Francesco BIAGIOLI	Segreteria -Federestrattive- Via Bolzano 15 I - 00100 ROMA	M
Mario CARTA	Istituto Arte Mineraria della Facolta d'Ingegneria Piazza d'Armi I - 09100 CAGLIARI	A C
R. COTZA	Istituto di Arte Mineraria dell' Università I - 09100 CAGLIARI (Sardaigna)	E
Piergiorgio CROBU	CARBOSULCIS S.p.A. Miniera di Nuraxi Figus I - 09010 CORTOGHIANA - Cagliari	N
Antonio DELLE CANNE	c/o Settore AGIP I - 71010 CHIETI SCALO	K1
Nicolas DE PAMPILLIS	C.I.S.L. Via Bolzano 15 I - 00100 ROMA	G
Paolo DE ROCCHI	SAMIM Divisione Mineraria Piazza Lodovico Cerva 7 I - 00143 ROMA	F
Fulvio FERRARI	S.p.A. SAMIM DIPER / SICU Piazza Lodovico Cerva 7 I - 00143 ROMA	M
Aldo GALATI	Ministero dell'Industria del Commercio Direz. Gen. delle Miniere Serv. Sicurezza Mineraria Via Veneto 33 I - 00100 ROMA	A B
Mario GASPARINI	c/o AGIP Mineraria S.p.a. I - 20097 SAN DONATO MILANESE	K K1

ITALIA - ITALIE - ITALY - ITALIEN - ITALIE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Raffaele GREGU	Soc. CARBOSULCIS S.p.A. Miniera di Muraxi Figus I - 09010 CORTHOGIANA (CA)	C
Carmelo LATINO	Capo del Distretto Minerario di Grosseto Via Trieste 1 I - 58100 GROSSETO	C E M1 P
Giovanni LEVANTE	Stabilimento Solmine Scarlino S.p.A. SOLMINE I - 58020 SCARLINO (Grosseto)	M2
Enrico MIANI	S.p.A. SOLMINE Stabilimento Solmine Scarlino I - 58 100 GROSSETO	F
Carlo MICHELAZZI	Ispettore Generale del MINISTERO DEL LAVORO E DELLA PREVIDENZA SOCIALE Via Andrea Fulvio 10 I - 00162 ROMA	A G
Carlo MORTARINO	Istituto di Meccanica applicata el Politecnico di Torino 24 Corso Duca degli Abruzzi I - 10129 TORINO	D
Gancarlo PALMA	Ministero Industria, Commercio e Artigianato Serv. Sicurezza Mineraria Via Molise 2 I - 00198 ROMA	G
Massimo PERSOD	Ingegnere Capo delle Miniere Distretto Minerario Via Gramsci I - 09016 IGLESIAS Ca.	O
Ferdinando PETRONE	MINISTERO INDUSTRIA Direzione Generale delle Miniere Divisione Statistica Via Molise 2 I - 00198 ROMA	O

ITALIA - ITALIE - ITALY - ITALIEN - ITALIE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

Francesco RETACCHI	Ingegnere Superiore del Corpo delle Miniere Ministerio Industria Via Molise 2 Direzione Generale Miniere I - 00198 ROMA	M
N. RICCIARDI-TENORE	Ispettore Generale Medico Capo dell'Ispettorato - Medico Centrale del Lavoro Minist. del Lavoro e della Prev. Sociale Via XX Settembre 97/c I - 00187 ROMA	A
Enzo ROSSI	DIPER SICU SAMIM S.p.A. Piazza Ludovico Cerva 7 I - 00143 ROMA	I
Onofrio SAMMARCO	Distretto minerario Via Trieste 1 I - 58100 GROSSETO	N1
Luciano SCAPOLO	Settore Energia delle Flerica CISL Via Menandro 13 I - 00125 ROMA	A N5 M
F. SCIUTO	Capo Servizio Ispettivo Sicurezza Mineraria Via Molise 2 I - 00187 ROMA	A B K K3
Bruno UNCINOTTI	S.p.A. SAMIN-DIPER SICU Piazza Cerva 7 I - 00198 ROMA	M1 M2
Silvano VAVASSORI	Direzione Generale delle Miniere c/o SAIPEM-PEM Casella Postale 4159 I - 20100 MILANO	K2
Ugo VIVIANI	MONTECATINI EDISON S.p.A. Foro Buonaparte 31 I - 20121 MILANO	G1

LUXEMBOURG - LUXEMBURG - LUSSEMBURGO

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

Horst BALL	Bureau de Liaison des Syndicats Libres des Mineurs et des métallurgistes dans les Communautés Européennes 58 Avenue de la Liberté	A
	L - LUXEMBOURG	
J. BIRDEN	Directeur-Adjoint Inspection du Travail et des mines 2 rue des Girondins	A
	L - LUXEMBOURG	
Adolphe RAUCHS	Ingénieur Dipl. 79 rue de Luxembourg	A G
	L - ESCH-ALZETTE	
Arthur SCHUSTER	Directeur de l'Inspection du Travail et des Mines 2 rue des Girondins Boîte postale 27	A B E G P
	L - LUXEMBOURG	

NEDERLAND - PAYS-BAS - NETHERLANDS - NIEDERLANDE
PAESI-BASI - NEDERLANDENE

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

H.G. BROELS	Inspecteur der Mijnen Staatstoezicht op de Mijnen. Gebouw Bogaart Centre Sir Winston Churchill-laan 366 NL - 2285 SJ - RIJSWIJK	F
W. EYKHOUT	Staatstoezicht op de Mijnen Gebouw Bogaart Centre Sir Winston Churchill-laan 366 NL - 2285 SJ - RIJSWIJK	K1
L.F. HEEZEN	AMOCO NETHERLANDS PETROLEUM CO. Postbus 9550 NL - 2502 AN - s'GRAVENHAGE	K
M.L. LUYTEN	Safety Inspection PETROLAND B.V. Postbus 475 NL - 1780 AL - DEN HELDER	K2
G. OCKELOEN	Inspecteur-Generaal der Mijnen Staatstoezicht op de Mijnen Gebouw Bogaart Centre Sir Winston-Churchill- laan 366 NL - 2285 SJ - RIJSWIJK	A B K K1 K2 K3
OORTMAN-GERLING	Staatstoezicht op de Mijnen Gebouw Bogaart Centre Sir Winston Churchill- laan 366 NL - 2285 SJ - RIJSWIJK	K K1
J.H. RADEMAKERS	Staatstoezicht op de Mijnen Apollolaan 9 NL - 6411 BA - HEERLEN	M
J. SALOMONS	Head of Drilling Department N. A. M. Schepersmaat 2 NL - 9405 TA - ASSEN	K1
VAN BLARICUM	Staatstoezicht op de Mijnen Apollolaan 9 NL - 6411 BA - HEERLEN	D N2 P

NEDERLAND - PAYS-BAS - NETHERLANDS - NIEDERLANDE
PAESI-BASI - NEDERLANDENE

Groupes de travail - Working parties
Arbeitsgruppen - Gruppi di lavoro
Werkgroepen - Arbejdsgrupperne

VAN DER EIJCK	Nederlandse Aardoliemaatschappij Schepersmaat 2 NL - 9405 TA - ASSEN	A
VAN der MIJLE	N.A.M Schepersmaat 2 NL - 9405 TA - ASSEN	K1
VAN DER SCHALK	N.A.M. Schepersmaat 2 NL - 9405 TA - ASSEN	K

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

J. AINSWORTH	Smithywood Mill Lane G.B. - GERRARDS CROSS SL9 8 AU	L1
R. ARCHIBALD	Chief Medical Officer NATIONAL COAL BOARD Hobart House Grosvenor Place G.B. - LONDON, SW1	N2 M
Ronald A. BONELL	Senior Mining Engineer Mining Services North Yorkshire Area NATIONAL COAL BOARD P.O. Box 13 Allerton Bywater G.B. - CASTLEFORD, WF10 2AL YORKSHIRE	I
W.J.W BOURNE	Chief Mechanisation Engineer NATIONAL COAL BOARD The Lodge South Parade G.B. - DONCASTER, SOUTH YORKSHIRE DN1 2DX	E I I1
Alan BULMER	NATIONAL UNION OF MINEWORKERS St. James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	A C N N5
Stewart CAMPBELL	Head of Mechanical Testing National Coal Board Mining Research and Development Establishment - Ashby Road Stanhope Bretby G.B. - BURTON ON TRENT, Staffs	E
J.L. COLLINSON	Chief Safety Engineer NATIONAL COAL BOARD The Lodge South Parade G.B. - DONCASTER, SOUTH YORKSHIRE DN1 2DX	G N5

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

R. COOPER	Chief Electric Engineer NATIONAL COAL BOARD The Lodge South Parade GB - DONCASTER, SOUTH YORKSHIRE DN1 2DX	F
G. CREW	NATIONAL UNION OF MINeworkERS St. James House Vicar Lane G.B. - SHEFFIELD S12 9JC	D
S.J. CRIDDLE	Chief Scientist National Coal Board South Midlands Area Newton Road G.B. - NUNEATON, Warwickshire	L
E.G. CRISWICK	Department of Energy-Room 1175 Petroleum Engin. Division Thames House South Millbank G.B. - LONDON, SW1 P4QJ	K2
A.S. CURLET	Petroleum Engineering Div. Department of Energy Room 1011 Thames House Sth Millbank G.B. - LONDON, SW1 P4QJ	K1
D. CUTLER	Safety in Mines Research Establishment Field Research Station Harpur Hill G.B. - BUXTON, Derbyshire SK17 9J1	N2 N3
B. DALE	NATIONAL UNION OF MINeworkERS St. James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	E

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

H.D. DAVEY	H.M. District Inspector of Mines and Quarries International House Dover Place Ashford GB - KENT TN23 1HU	C
L. DAVISON	Senior Principal Scientific Officer-Safety in Mines Research Establishment Red Hill G.B. - SHEFFIELD, S3 7HQ	F
F.E. FIELD	Petroleum Engineering Div. Department of Energy Thames House South Millbank G.B. - LONDON, SW1 P4Q5	K K3
J.B. HALL	Chief Mechanical Engineer NATIONAL COAL BOARD The Lodge South Parade GB - DONCASTER SOUTH -Yorkshire DN1 2DX	N2
R.J. HAMILTON	Head of Dust Group Mining Research and Development Ashby Road Stanhope Bretby G.B. BURTON ON TRENT, DE15 0QD	M1
A. HARLEY	HM Chief Inspect. of Mines and Quarries Health and Safety Executive Regina House 259-269 Old Marylebone Road G.B. - LONDON, NW1 5RR	A B C P M M1 M2
H. HARRISON	NATIONAL UNION OF MINEWORKERS St. James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	F

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

G. HEATHERINGTON	Electrical Consultant Victor Products(Wallsend) Ltd. G.B. - WALLSEND, Northumberland	F
B.W. HINDLEY	Petroleum Engineering Div. Department of Energy Thames House South Millbank G.B. - LONDON, SW1 P4Q5	K K2
A.J. HINKSMAN	Health and Safety Executive Baynards House - Chepstow Place Westbourne Grove G.B. - LONDON, WC1	K3
J. HOPKINSON	H.M. Deputy Principal Insp. of Mechanical Engineering Health and Safety Executive Regina House 259-269 Old Marylebone Road G.B. - LONDON, NW1 5RR	D D1 D2
C.D. HORNSBY	Director of Mining Environment, Mining Department NATIONAL COAL BOARD 16/17 South Parade G.B. - DONCASTER, N.Y DN1 2DN	A L M M2 N
I.A. HOWIESON	HM Principal Inspector of Mechanical Engineering Inspectorate of Mines and Quarries Health and Safety Executive 259-269 Old Marylebone Road G.B. - LONDON, NW1 5RR	N2 P
J.B. JAGGER	NATIONAL COAL BOARD Coal house Lyon Road G.B. - HARROW, HA1 2EW Middls.	M1 M2

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

A.G. JOHNSTON	Research Director Health and Safety Executive Research and Laboratory Services Division Steel City House-West Street G.B. - SHEFFIELD, S1 2 QG	C
A. JONES	Principal Scientific Off. The Safety in Mines Research Establishment The Health & Safety Executive HARPUR HILL G.B. - BUXTON, Derbysh. SK17 9JN	L N
Alan JONES	Health and Safety Executive Research and Laboratory Services Div. Red Hill GB - SHEFFIELD, S3 7HQ	C1
Evan O. JONES	CONOCO North Sea Inc. Park House 116 Park Street GB - LONDON, W1 Y 4NN	K1
H.D. JONES	H.M. Senior District Inspector of Mines and Quarries Health and Safety Executive 259-269 Old Marylebone Road Regina House GB - LONDON, NW1 5RR	E I L O
K. LAIRD	H.M. Principal Inspector of Mines and Quarries Health and Safety Executive 259-269 Old Marylebone Road Regina House GB - LONDON, NW1 5RR	K
G. LAMBERT	Head of Mining General Duties National Coal Board The Lodge South Parade GB - DONCASTER, SOUTH YORKSHIRE DN1 2DX	M1 M2

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

John LONGDEN	Area Chief Mining Engineer National Coal Board South Midlands Area Coleorton Hall G.B. - COLEORTON	C
S. LUXMORE	HM Principal Inspector of Electr.Eng. Health and Safety Executive Department of Energy Regina House 259-269 Old Marylebone Road G.B. - LONDON, NW1 5RR	F
T. Mc GEE	NATIONAL UNION OF MINEWORKERS St.-James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	L M
Michel Mc. GAHEY	Vice President National Union of Mineworkers 5, Hillside Crescent GB - EDINBURGH, Scotland	A
A.D. MAKOWER	Faat.2. Hollington 73 Bradbourne Park Road G.B. - SEVENOAKS Kent TN13 3LH	M M1 M2 N
G. MONTGOMERY	NATIONAL UNION OF MINEWORKERS St. James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	I
E.J.H. NICHOLAS	Health and Safety Executive Safety Policy Div. Branch C Regina House 259/269 Old Marylebone Road G.B. - LONDON, NW1 5RR	A B G K O

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

A. OWENS	NATIONAL UNION OF MINEWORKERS St. James House Vicar Lane G.B. - SHEFFIELD, S12 9JC	G
G.R. PATTERSON	Executive Secretary E and P Forum 37 Duke Street GB - LONDON SW1 Y 6DH	K
R.T. PURVIS	18 Chiltleyway LIPHOOK G.B. - HAMPSHIRE GU30 7HQ	E N
W. REID	Transport and General Workers Union 44, King Street G.B. - ABERDEEN - SCOTLAND	K
A.F. ROBERTS	Senior Principal Scientific Officer Health and Safety Executive Field Research Station Harpur Hill G.B. - BUXTON, SK17 9JN	L N N1
W.M. ROBERTSON	Chief Scientist (Yorkshire Region) NATIONAL COAL BOARD Golden Smithies Lane Wath-upon-Dearne G.B. - ROTHERAM, South Yorkshire	N3
E. ROBSON	Deputy Director of Mining The National Coal Board Yorkshire Area, St. Georges Thorne Road G.B. - DONCASTER, DN1 2JS	N
F.N. SANDERS	Mining Research and Development Establishment NATIONAL COAL BOARD Ashby Road Stanhope Bretby G.B. - BURTON-ON-TRENT Staffordsh	N3

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

SEARLE	HM Inspectorate of Mines and Quarries Regina House Old Marylebone Road 259-269 G.B. - LONDON, NW1 5RR	E1
P. SELWOOD	UK Offshore Operators Association 192, Sloane Street G.B. - LONDON, SW1X 9QX	K
SMITH	Medical Officer Department of Health and Social Security Hannibal House Elephant and Castle G.B. - LONDON, SE1 6TE	N2
R.A. SWIFT	Chief Ventilation Engineer NATIONAL COAL BOARD The Lodge South Parade G.B. - DONCASTER, SOUTH YORKSHIRE DN1 2DX	C
P.B. TAYLOR	Inspectorate of Mines and Quarries Health and Safety Executive Silver House - Silver Street - G.B. - DONCASTER, Yorkshire	N4
G.H. THOMAS	H.M. Principal Inspector of Mines and Quarries St. Andrews House 48 Princess Road East GB- LEICESTER LE1 7DQ	M M2 N P
P. TRYCIS	NATIONAL COAL BOARD Coal House Lyon Road GB - HARROW, Middlesex HA1 2EX	N4
L. WALKER	The N.C.B. The Lodge South Parade G.B. - DONCASTER, Yorkshire	N3

UNITED KINGDOM - ROYAUME-UNI - VEREINIGTES KOENIGREICH
REGNO UNITO - VERENIGD KONINKRIJK - DET FORENEDE KONGERIGE

Groupes de travail-Working parties
Arbeitsgruppen-Gruppi di lavoro
Werkgroepen-Arbejdsgrupperne

T.L. WALL	Principal Scientific Off. Safety in Mines Research Establ. Central Laboratories Off Broad Lane Red Hill G.B. - SHEFFIELD, S3 7HQ	D
R.W.C.W. WHEATLEY	Director of Scientific Control National Coal Board Coal House Lyon Road G.B. - HARROW, Middlesex HA1 2EX	N
J.S. WILCOX	HM Principal Inspector of Mines and Quarries Health and Safety Executive South Yorkshire District Silver House Silver Street GB - DONCASTER, SOUTH YORKSHIRE DN1 2DX	K M M2 N P
Philip WOOD	Head of Shafts and Winding NATIONAL COAL BOARD The Lodge South Parade G.B. - DONCASTER, SOUTH YORKSHIRE DN1 2DX	D D2



STUDIES COMPLETED SINCE 1976

STUDIES COMPLETED SINCE 1976

Study No.	SUBJECT	AUTHOR(S)	YEAR
172/76	Evaluation of data on accidents in coal mines between 1972 and 1974	Mr Champagnac 93, rue Falguiere F - 75015 Paris	1975-1976
45/77	Safety and health protection when diesel motors are used underground in mines.	Mr Staehler Oberbergamt Schönhäuser Strasse 14 D-4600 Dortmund	1976-1977
325/77	Tests on fire-resistant conveyor belting for use underground in coal mines	INIEX CERCHAR VERSUCHSGRUBENGESELLSCHAFT NCB SCIENTIFIC CONTROL	1976-1977

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
532/77	Review and evaluation of measures concerning the safety training of miners in the European Community coal mining industry.	Mr Roettger Brassertstrasse 5 D-4600 Dortmund	1976-1977
361/77	Safety and health hazards in prospecting for and production of petroleum and gas.	Mr Wilson 1, Bassett Gardens Blackhouse Hill Hythe CT 21 5UY, Kent	1976-1977
602/77	Toxicological tests on fire-resistant hydraulic transmission liquids based on esters and phosphates (anatomical pathology study).	CERCHAR B.P. No 2 F-60550 Verneuil-en- Halatte	1976-1977
603/77	Study on strata mechanics to prevent rock-bursts, whether or not linked to sudden outbursts of firedamp.	CERCHAR B.P. No 2 F-60550 Verneuil-en- Halatte	1976-1977
324/77	The use of self-rescuers in European coal mines.	Mr Chamberlain Donnybrook Kewferry Road Northwood - Middlesex	1977

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
360/77	Exploratory study on the hazards connected with the use of explosives, and particularly new explosives, and on new shotfiring methods in the extractive industries.	Mr Goffart Administration des Mines Ministere des Affaires Economiques 30, rue de Mot B-1040 Brussels	1977
398/77	An example of a statistical study on accidents due to falls of rock.	CERCHAR B.P. No 2 F-60550 Verneuil-en- Halatte	1976-1977
395/78	Summary report on the second part of the study on safety and health protection when diesel motors are used underground in mines, with particular reference to existing regulations on this matter in the Member States of the European Community (cf. study 45/77).	Mr Staehler Oberbergamt Schönhäuser Strasse 14 D-4600 Dortmund	1977-1978
397/78	An initial study of the possibilities available for giving to each underground worker a means of escape in irrespirable atmospheres which may be deficient in oxygen following either an explosion, fire or outbursts of gas.	Mr Chamberlain Donnybrook Kewferry Road Northwood - Middlesex	1977-1978

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
494/78	Comparison of current regulations in Member States relating to the installation and use of electrical equipment for use underground in gassy mines - Presentation of proposals for harmonization of the regulations.	Mr Moullin National Coal Board The Lodge South Parade Doncaster DN1 2 DX	1977-1978
559/78	An initial study of the possibilities available for the examination of winding and guide ropes in situ; a comparison of the methods available and the comparing of these results with those obtained by other currently used methods.	The Health and Safety Executive Red Hill Sheffield S3 7HQ	1977-1978
271/79	Establishment of the acute toxicity of fire resistant fluids by intra-muscular injection.	CERCHAR B.P. No 2 F-60550 Verneuil-en- Halatte Prof. Benthe Universitätskrankenhaus Eppendorf Pharmakologisches Institut der Universität Martinistrasse 52 2 Hamburg 20	1978-1979

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
272/79	The possibilities available for giving to each underground worker a means of escape in irrespirable atmospheres which may be deficient in oxygen following either fire, explosion or outbursts of gas (continued).	Mr Chamberlain Donnybrook Kewferry Road Northwood - Middlesex	1978-1979
466/78	A study of the additional risks to divers due to the working environment underwater associated with the search for and exploitation of petrol and gas.	Lennard and Associates. Ltd. 40 Broxburn Road Orpington Kent BR6 OAY	1978-1979
341/79	Possible toxicological effects of fumes generated during the combustion of conveyor belts and other plastic material likely to be used in mines.	Mr Makower National Coal Board Coal House Lyon Road Harrow - Middlesex	1978-1979

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
345/79	Study on stabilizing the ventilation under ground in coal mines in the event of a fire in a main shaft.	<p>Mr Schubert Hernestrasse 43-45 D-4630 Bochum</p> <p>Mr Champagnac 93, rue Falguiere F-75015 Paris</p> <p>Mr Stenuit 66, avenue de la Liberation B-1640 Rhode St. Genese</p>	1978-1979
346/79	Study on rope guides in deep shafts for heavy loads and high speeds.	<p>Messrs Slonina and Stuehler Versuchsgruben- gesellschaft mbH Tremoniastrasse 13 D-4600 Dortmund</p>	1978-1979
475/80	Oxygen self-rescuers	<p>Messrs Catto and Smith National Coal Board Coal House Lyon Road Harrow - Middlesex</p>	1979-1980
137/80	Interpretation and explanation of the proposed harmonized regulations for installation and use of electrical apparatus in mines of the European Communities.	<p>Mr Loynes Melrose Crescent Hall GB - Altringham Cheshire, WA1 58NN</p>	1979-1980

STUDIES COMPLETED SINCE 1976

Study No	SUBJECT	AUTHOR(S)	YEAR
429/80	The possibilities of harmonising the test procedures for the fire-resistant properties of fluids used for hydraulic power transmission in mines.	Mr Cutler Safety in Mines Research Establishment Safety and Health Executive Harpur Hill Buxton Derbyshire	1979-1980
471/80	The detection of tectonic stress concentrations in deep mines liable to cause rockbursts.	Mr Brauener Bergbau Forschung GmbH 61 Franz Fischer Weg D-4300 Essen 13	1979-1980
658/80	Behaviour training to identify and assess those methods of training which can influence the attitude of mature mine workers in the Community towards increased safety and health at work.	Mr Riddell National Coal Board Hobart House GB London SI 1X 7AE	1979-1980

STUDIES COMPLETED SINCE 1976

Study N°	SUBJECT	AUTHOR(S)	YEAR
440/80	An evaluation of the effectiveness of the test methods used to assure the quality control of conveyor belting produced for mines concerning its resistance to fire	Mr. W.M. ROBERTSON White Gables Back Lane Badsworth PONTEFRACT W.Yorks WF 9 1 AG U.K.	1980-1981
64/80	Safety problems associated with monorail systems especially when used to transport persons, in inclined and curved roadways	Dr. HAIBACH Westfälische Berggewerkschaftskasse Seilprüfstelle-Institut für Förder- technik und Werkstoffkunde Dinnendahlstrasse, 9 D - 4630 BOCHUM	1980-1981
267/80	Drafting of measures and proposed improvements to prevent sudden outbursts of methane and coal in Community mines	M. Jean BELIN 93, avenue Emile Zola F - 75015 PARIS	1980-1981
65/80	Safety aspects of drum shearer, conveyor and plough chains	M. Karl SCHRIEVER Institut für Maschinentechnik Herner Strasse, 45 D - 4300 BOCHUM	1980-1981

STUDIES COMPLETED SINCE 1976

Study N°	SUBJECT	AUTHOR(S)	YEAR
486/81	Safety training in offshore drilling	M. A. LEBLOND Institut Français du Pétrole 4, avenue du Bois-Préau F - 92506 REUIL-MALMAISON	1980-1981
360/79	Noise in underground workings	M. G. DEGUELDRE Conseiller Institut d'Hygiène des Mines 22, Havermarkt B - 3500 HASSELT	1979.1981
34/81	Study on fire resistant fluids; specifications and testing conditions for fluids for hydrokinetic and hydrostatic power transmission	M. T.K. CLANZY 22, Canons Close Radlett Herts WD 7ER U.K.	1981-1982
33/81	The nature and quantity of the toxic products generated during the combustion of conveyor belts and other plastic materials likely to be used in mines	The National Coal Board Hobart House Grosvenor Place LONDON SW 1	1981-1982

STUDIES COMPLETED SINCE 1976

Study N°	SUBJECT	AUTHOR(S)	YEAR
35/81	Oxygen self rescuers	The National Coal Board Hobart House Grosvenor Place LONDON SW 1 U.K.	1981-1982

PROPOSAL TO GOVERNMENTS FOR WELL CONTROL DRILLS
OFFSHORE AND TRAINING OF PERSONNEL IN CHARGE OF
WELL OPERATIONS

COMMISSION OF THE EUROPEAN COMMUNITIES

=====

SAFETY AND HEALTH COMMISSION FOR THE MINING AND
OTHER EXTRACTIVE INDUSTRIES

=====

Working Party on
Oil, gas and other materials
Extracted by Borehole

Committee of experts on "Well Control"

=====

PROPOSAL FOR WELL CONTROL DRILLS OFFSHORE AND
TRAINING OF PERSONNEL IN CHARGE OF WELL OPERATIONS

This proposal is a continuation of paper 3318/6/77 referred to in par. 3.3: "The safety of operations depends largely on the skill of the workforce. Regular protective safety drill and safety meetings should be held." and of paper 3767/4/77 referred to in par. 10: "Well control drills should be held, at least weekly, for each crew".

Adopted by the Safety and Health Commission for the Mining and Other Extractive Industries on 7 May 1980 in accordance with articles 1 and 4 of the terms of reference.

A - WELL CONTROL DRILL OFFSHORE

1. Well control drills are aimed to train crews to respond in a time frame appropriate to ensure the prevention of blowouts.
2. Once wellhead safety equipment is installed, control drills should be conducted to simulate control of a possible blowout for operations:
 - a) whilst on bottom
 - b) when tripping pipe
 - c) with pipe out of the hole.
3. These drills should consist of at least the following events:
 1. detection of pressure differential, gain or loss of fluid;
 2. appropriate positioning of the drill string or tubulars in the BOP stack and on the floor;
 3. observation of the fluid level in the well;
 4. closing in of the well;
 5. time required to accomplish.

Remark: A complete check list of these operations should be established.

B - WELL CONTROL TRAINING OF PERSONNEL

1. Training of drillers and supervisory staff should be both practical and theoretical to ensure that correct action is taken, in the shortest time possible, to prevent a well from reaching a critical condition.
2. Theoretical training must include simulator training to prepare personnel in handling a well that is in a critical condition.
3. Practical and theoretical training and retraining must be conducted with a reasonable frequency.

Remark: Training and its records should be properly administered.

European Communities – Commission

EUR 9151 EN – 19th Report of the Safety and Health Commission for the mining and other extractive industries – Volume 2

Luxembourg: Office for Official Publications of the European Communities

1984 – 103 pp. – 21.0 x 29.7 cm

Industrial Health and Safety series

DA, DE, EN, FR, IT, NL

ISBN 92-825-4135-5

Catalogue number: 

Price (excluding VAT) in Luxembourg

ECU 7.60 BFR 350 IRL 5.60 UKL 4.40 USD 6.50

This report outlines the activities of the Safety and Health Commission and gives figures on accidents in coal mines in the European Community. The terms of reference of the Safety and Health Commission and its working parties are also given, together with the proposals to governments in 1981.

**Salg og abonnement · Verkauf und Abonnement · Πωλήσεις και συνδρομές · Sales and subscriptions
Vente et abonnements · Vendita e abbonamenti · Verkoop en abonnementen**

BELGIQUE / BELGIË

Moniteur belge / Belgisch Staatsblad

Rue de Louvain 40-42 / Leuvensestraat 40-42
1000 Bruxelles / 1000 Brussel
Tél. 512 00 26
CCP/Postrekening 000-2005502-27

Sous-dépôts / Agentschappen:

**Librairie européenne /
Europese Boekhandel**

Rue de la Loi 244 / Wetstraat 244
1040 Bruxelles / 1040 Brussel

CREDOC

Rue de la Montagne 34 / Bergstraat 34
Bte 11 / Bus 11
1000 Bruxelles / 1000 Brussel

DANMARK

Schultz Forlag

Møntergade 21
1116 København K
Tlf: (01) 12 11 95
Girokonto 200 11 95

BR DEUTSCHLAND

Verlag Bundesanzeiger

Breite Straße
Postfach 10 80 06
5000 Köln 1
Tel. (02 21) 20 29-0
Fernschreiber:
ANZEIGER BONN 8 882 595

GREECE

G.C. Eleftheroudakis SA

International Bookstore
4 Nikis Street
Athens (126)
Tel. 322 63 23
Telex 219410 ELEF

Sub-agent for Northern Greece:

Molho's Bookstore

The Business Bookshop
10 Tsimiski Street
Thessaloniki
Tel. 275 271
Telex 412885 LIMO

FRANCE

**Service de vente en France des publications
des Communautés européennes**

Journal officiel

26, rue Desaix
75732 Paris Cedex 15
Tél. (1) 578 61 39

IRELAND

Government Publications Sales Office

Sun Alliance House
Molesworth Street
Dublin 2
Tel. 71 03 09

or by post

Stationery Office

St Martin's House
Waterloo Road
Dublin 4
Tel. 78 96 44

ITALIA

Licosa Spa

Via Lamarmora, 45
Casella postale 552
50 121 Firenze
Tel. 57 97 51
Telex 570466 LICOSA I
CCP 343 509

Subagente:

Libreria scientifica Lucio de Biasio - AEIOU

Via Meravigli, 16
20 123 Milano
Tel. 80 76 79

GRAND-DUCHÉ DE LUXEMBOURG

**Office des publications officielles
des Communautés européennes**

5, rue du Commerce
L-2985 Luxembourg
Tél. 49 00 81 - 49 01 91
Télex PUBLOF - Lu 1322
CCP 19190-31
CC bancaire BIL: 8-109/6003/200

NEDERLAND

Staatsdrukkerij- en uitgeverijbedrijf

Christoffel Plantijnstraat
Postbus 20014
2500 EA 's-Gravenhage
Tel. (070) 78 99 11

UNITED KINGDOM

HM Stationery Office

HMSO Publications Centre
51 Nine Elms Lane
London SW8 5DR
Tel. 01-211 3935

Sub-agent:

Alan Armstrong & Associates

European Bookshop
London Business School
Sussex Place
London NW1 4SA
Tel. 01-723 3902

ESPAÑA

Mundi-Prensa Libros, S.A.

Castelló 37
Madrid 1
Tel. (91) 275 46 55
Telex 49370-MPLI-E

PORTUGAL

Livraria Bertrand, s.a.r.l.

Rua João de Deus
Venda Nova
Amadora
Tél. 97 45 71
Telex 12709-LITRAN-P

SCHWEIZ / SUISSE / SVIZZERA

Librairie Payot

6, rue Grenus
1211 Genève
Tél. 31 89 50
CCP 12-236

UNITED STATES OF AMERICA

**European Community Information
Service**

2100 M Street, NW
Suite 707
Washington, DC 20037
Tel. (202) 862 9500

CANADA

Renouf Publishing Co., Ltd

2182 St Catherine Street West
Montreal
Quebec H3H 1M7
Tel. (514) 937 3519

JAPAN

Kinokuniya Company Ltd

17-7 Shinjuku 3-Chome
Shinjuku-ku
Tokyo 160-91
Tel. (03) 354 0131

NOTICE TO THE READER

All scientific and technical reports published by the Commission of the European Communities are announced in the monthly periodical '**euro-abstracts**'. For subscription (1 year: BFR 2 400) please write to the address below.

CDNB09151ENC

Price (excluding VAT) in Luxembourg
ECU 7.60 BFR 350 IRL 5.60 UKL 4.40 USD 6.50



OFFICE FOR OFFICIAL PUBLICATIONS
OF THE EUROPEAN COMMUNITIES

L-2985 Luxembourg

ISBN 92-825-4135-5



9 789282 541357