COUNCIL DECISION

of 28 April 1981

amending Decision 78/264/Euratom adopting a programme of research and development for the European Atomic Energy Community on uranium exploration and extraction (indirect action)

(81/364/Euratom)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Atomic Energy Community, and in particular Article 7 thereof,

Having regard to the proposal of the Commission submitted after consultation with the Scientific and Technical Commitee,

Having regard to the opinion of the European Parliament (1),

Having regard to the opinion of the Economic and Social Committee (2),

Whereas by its Decision 78/264/Euratom (3), the Council adopted, for a period of three years with effect from 1 January 1978, a programme of research and development for the European Atomic Energy Community on uranium exploration and extraction;

Whereas, in its deliberations of 20 December 1979, the Council invited the Commission to concentrate Community research programmes on sectors of priority interest, including energy and raw materials, and to rationalize the structures for the preparation, adoption and implementation of these programmes;

Whereas the Council takes note of the intention of the Commission to submit in 1981 a proposal for a research programme in the sector of raw materials;

Whereas it is appropriate in the meantime to continue with the research activity already undertaken and to adapt it according to changing needs; whereas Decision 78/264/Euratom should be amended,

HAS DECIDED AS FOLLOWS:

Sole Article

Decision 78/264/Euratom shall be amended as follows:

1. Article 1 shall be replaced by the following:

   'Article 1

   A programme of research and development on uranium exploration and extraction as set out in the Annex shall be adopted for a period of five years from 1 January 1978.'

2. Article 2 shall be replaced by the following:

   'Article 2

   The upper limit of expenditure commitments necessary for the implementation of this programme shall be 5·4 million ECU and the maximum number of staff shall be three employees.'

3. The Annex shall be replaced by the Annex to this Decision.

Done at Luxembourg, 28 April 1981.

For the Council

The President

J. de KONING

(1) Opinion delivered on 10 April 1981 (not yet published in the Official Journal).
(2) OJ No C 348, 31. 12. 1980, p. 12.
(3) OJ No L 72, 14. 3. 1978, p. 12.

ANNEX

PROGRAMME CONTENT

1. RESEARCH AND DEVELOPMENT ON URANIUM EXPLORATION

1.1. **Discovery of uranium provinces — uranium geology and metallogeny**

- — granitic areas
- — acid volcanic rocks
- — alkaline rocks
- — sedimentary basins

1.2. **Exploration techniques**

- — gamma spectrometry
- — remote sensing
- — geochemical prospecting techniques
- — rock geochemistry
- — biogeochemistry
- — gas geochemistry
- — lead isotope ratios
- — indirect geophysical methods
- — microtectonics

1.3. **Transportation and deposition of uranium**

- — fluid inclusions
- — transportation and deposition of uranium in the hydrogeochemical environment
- — radioactive disequilibrium

1.4. **Bore-hole logging**

- — direct measurement of uranium *in situ*
- — other instruments for *in situ* measurements

2. RESEARCH AND DEVELOPMENT IN URANIUM EXTRACTION AND RECOVERY

2.1. Recovery of uranium from phosphoric acid liquors

2.2. Recovery of uranium from phosphatic rocks

2.3. Extraction of uranium from the waste of phosphate rock treatment

2.4. Recovery of uranium by dump, heap, or *in situ* leaching by chemical and/or bacterial means

2.5. High temperature, high pressure leaching

2.6. Extraction of uranium and other values from calcines and other low grade sources

2.7. Other technical aspects related to the uranium mining industry