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## INTRODUCTION

The Specialists' Meeting on "Fission Product Release and Transport in Gas-Cooled Reactors" was organized in the framework of the International Working Group on Gas-Cooled Reactors. The meeting was hosted by the Central Electricity Generation Board (CEGB) and took place at the CEGB Berkeley Nuclear Laboratories from the 22-25 October 1985. The meeting was attended by 40 participants from Austria, France, Federal Republic of Germany, Japan, USSR, UK, USA and from the Commission of European Communities (CEC).

The purpose of the meeting was to compare and discuss experimental and theoretical results of fission product behaviour in gas-cooled reactors under normal and accidental conditions and to give directions for future developments.

The technical part of the meeting was subdivided into 3 sessions:

- Operational Experience and Laboratory Research
- Activity Release
- Behaviour of Released Activity

During the meeting papers were presented by the participants on behalf of their countries or organizations. Each presentation was followed by an open discussion in the general area covered by the paper.

At the end of the meeting a round table discussion was held. The present volume contains all papers presented at the Specialists' Meeting and summaries of all sessions as provided by the session chairmen.