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|  |  INTERNATIONALEUROPEAN COMMISSION SCIENCE AND DIRECTORATE-GENERAL 'Research' TECHNOLOGY CENTER |   |

**CONTACT EXPERT GROUP on CORIUM MANAGEMENT**

**(CEG-CM)**

To: ISTC / D.Gambier (EC RTD-05) Advice no.: A-03

Project code: # 2219 Date: 2nd October 2002

Signatures: A.Zurita (Chairman) and P.Hofmann (Secretary)

Copies: -Adroguer (IRSN); Altstadt (FZR); Azarian, Fischer (FANP); Bottomley (JRC/ITU); Cognet (CEA/DEN/DSNI); Kymäläinen (Fortum); Marguet (EDF); Miassoedov, Stuckert, Tromm (FZK); Oriolo (Univ. Pisa); Unger (RUB)

 - Bellemin (EC RTD-05); Forsström (EC RTD-J.4); Tocheny (ISTC, Moscow)

\* Subject: Proposal of “Steam Explosion in the Corium-Water System” -- ISTC Project # 2219

\* Documents: General description and summary of ISTC project proposal #2219

(3 pages), Research Engineering Centre of Nuclear Plants Safety (ENIC), Elektrogorsk, Moscow

\* Advice: **EU recommends a Project Development Grant, which could**

**amount € 20.000,- for a period of 6 months**

\* Justification: The group considers this proposal using prototypic corium materials of potential interest for the European scientific community. Nevertheless, the proposal could not be sufficiently judged because of some missing information, in particular related to experimental aspects.

\* Recommendations: Preparation of a detailed work plan for discussion at the next CEG-CM meeting. The tests should be connected to specific accident scenarios and to be conducted with chemical corium compositions which complement other national EU programms on steam explosion.

\* Comments: - This proposal includes the modification of a specific test facility. In this regard, expertise from the previous ISTC project #408 is beneficial.

- This proposal is linked to various current EU projects, i.e. EURSAFE and PLINIUS.

- EU/CEG project monitor: JRC-ITU.

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| Dissemination level : COPU: publicRE: restricted to EC and a group specified by the CEG-CM membersCO: confidential, only for EC, CEG-CM members and ISTC |

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October 2002 CEG-CM / A-03