

COOPERATIVE PROGRAM ON HUALIEN SOIL-STRUCTURE
INTERACTION EXPERIMENT BETWEEN AIT AND CCNAA

On October 3, 1984, the Coordination Council for North American Affairs (CCNAA) and the American Institute in Taiwan (AIT) entered into a comprehensive new "Agreement Between AIT and CCNAA Relating to the Establishment of a Joint Standing Committee on Civil Nuclear Cooperation," (herein referred to as the "Principal Agreement") relating to technical cooperation and collaboration in a number of fields related to the civil use of atomic energy. The Principal Agreement was renewed on October 19, 1989, for an additional 5 years.

Pursuant to the Principal Agreement and subject to its terms and conditions, except as otherwise agreed under the provisions of this cooperative program, AIT and CCNAA have agreed to undertake a cooperative program to study soil-structure interaction effects by collecting data at a site near Hualien, Taiwan. This cooperative program is listed as Item TP-NR-EP-01 on the updated Summary List of Projects. The Hualien project was initiated and organized by EPRI with co-sponsorship of the Taiwan Power Company and other organizations from Japan and France.

This cooperative program will be carried out in accordance with the following paragraphs and will come into effect upon an exchange of letters between Principal Coordinators that have been designated by CCNAA and AIT in accordance with the Principal Agreement.

1. Objective of the Cooperative Program

The main purpose of the Hualien experiment is to provide earthquake-generated data against which analytical models can be checked. This will be accomplished in part by constructing test models (of nuclear power plant structures) and deploying instruments in a stiff soil site in Hualien, Taiwan, where the strong motion array network, SMART-2, will be deployed. EPRI, Taipower and NRC are all contributing to the design and construction costs. A steering committee will be established for approval of the design and other major decisions during the course of the project.

2. Scope of Work

- a. The AIT, through its agent the U.S. Nuclear Regulatory Commission (USNRC), will periodically review the progress of the design and construction of the test models. This will consist of a review of design calculations, construction drawings and instrumentation layout. It is anticipated that this will require at least one visit to Taiwan by one person from NRC, with the visit approximately 7 to 10 working days in duration. Additional meetings, over of the course of the project, may be necessary in Taiwan, Japan or the United States. Travel costs, living expenses and salary will be borne by the parties who incurred them.

- b. The AIT through its agent, the U.S. Nuclear Regulatory Commission (USNRC), will support the design and construction of test models by providing funds (U.S. \$300,000.00). The full payment (U.S. \$300,000.00) shall be paid within 60 days after the exchange of letters between Principal Coordinators of AIT and CCNAA, and acceptance of the terms of the cooperative program by CCNAA.
- c. Earthquake data collected at the Hualien project site during the course of the project will be provided to AIT by CCNAA for internal use by NRC and its project contractors. It is understood that public release of these data would require prior approval by CCNAA.
- d. AIT will provide to CCNAA the results of any evaluations or analyses of earthquake data and soil-structure interaction calculations performed by NRC and its contractors on the data provided by CCNAA. Similarly, CCNAA will provide to AIT the results of any evaluation or analyses performed by any of its agents.
- e. Any expansion of scope beyond that indicated above will require consent of both parties.


3. Duration and Termination

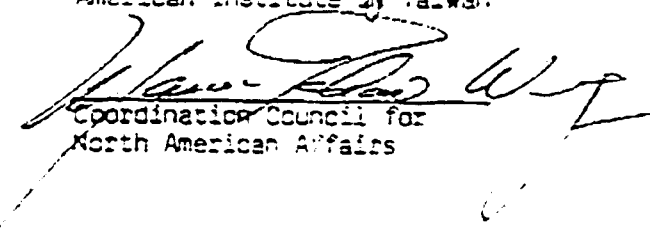
- a. This Joint Program shall enter into force upon signature and, subject to paragraph 3.b, shall remain in force for the duration of the Principal Agreement unless extended by agreement of the parties.
- b. Either party may withdraw from this arrangement after providing the other party written notice 90 days prior to its intended date of withdrawal.

4. Disputes

Collaboration under this Joint Program shall be in accordance with the laws and regulations of the respective parties. All questions related to the Joint Program arising during its term shall be settled by the parties by mutual agreement.

ACCEPTANCE:

 9/28/92
American Institute of Taiwan


Coordination Council for
North American Affairs