



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 25 1990

International Technical Services, Inc.  
ATTN: Dr. Hideko Komoriya  
470 Lexington Avenue  
New York, New York 10170

Dear Dr. Komoriya:

Subject: Task Order No. 3 Under Contract No. NRC-03-90-027 Entitled  
"Review of the Report NTH-TR-01, RETRAN Model Qualification"  
(FIN L-1318)

You are hereby authorized to commence work under the subject task order effective June 21, 1990 with an established ceiling of \$28,807.00.

In accordance with Section G.5, Accelerated Task Order Procedures, of the subject contract, this letter definitizes Task Order No. 3. This effort shall be performed in accordance with the enclosed Statement of Work and the Contractor's proposal dated June 13, 1990, incorporated herein by reference.

The period of performance for the subject task order is June 21, 1990 through October 30, 1990. The total cost ceiling is \$28,807.00. The amount \$26,284.00 represents the total reimbursable costs and the amount of \$2,523.00 represents the fixed fee.

Accounting data for Task Order No. 3 is as follows:

B&R No.:	020-19-15-02-0
FIN No.:	L-1318-0
Appropriation No.:	31X0200.200
Obligated Amount:	\$28,807.00

The following individuals are considered by the Government to be essential to the successful completion of the work hereunder:

Hideko Komoriya  
Paul Abramson  
Madelina Feltus

The contractor agrees that such personnel shall not be removed from the effort under this task order without compliance with Contract Clause H.1 - Key Personnel.

The issuance of this task order does not amend any terms or conditions of the subject contract.

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PDR CONTR  
NRC-03-90-027 PDC

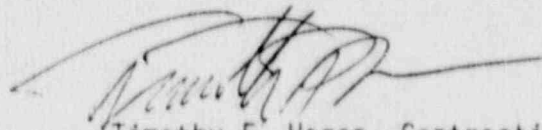
Dr. Hideko Komoriya

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Task Order No. 3 should be made by executing three copies of this document in the space provided and returning two copies to the Contract Administrator. You should retain the third copy for your records.

Should you have any questions regarding this matter, please feel free to contact Brenda DuBose on (301) 492-7442.

Sincerely,



Timothy F. Hagan, Contracting Officer  
Contract Administration Branch 1  
Division of Contracts and  
Property Management  
Office of Administration

Enclosure:  
As stated

ACCEPTED: Task Order No. 3

NAME

TITLE

DATE

STATEMENT OF WORK FOR  
TASK ASSIGNMENT NO. 003 UNDER FIN L-1316

TITLE: Review of the Report NTH-TR-01, "RETRAN Model Qualification"

FIN: L-1318 NRC Priority Ranking: 3

B&R NUMBER: 020-19-15-02-0

PROJECT MANAGER: Wayne C. Walker (FTS 492-1219)

LEAD ENGINEER: Don Katze (FTS 492-0886)

ESTIMATED LEVEL OF EFFORT: 2 person-month

PERIOD OF PERFORMANCE: June 21, 1990 to October 30, 1990

TAC NOs.: St. Lucie Unit 1 75082  
St. Lucie Unit 2 75083  
Turkey Pt. Unit 3 75084  
Turkey Pt. Unit 4 75085

DOCKET NO.: St. Lucie 182: 50/355 and 50/389 - Turkey PT. 3&4: 50-260/261.

BACKGROUND

Florida Power & Light Company (FPL) previously submitted the report NTH-G-6, "RETRAN Code Transient Analysis Model Qualification" to comply with the requirements of Generic Letter 83-11. The staff found that the report demonstrated that FPL has the capability to use the RETRAN computer code to perform systems transients for the Turkey Point and St. Lucie Plants and fulfills the requirements of the Generic Letter. However, for the computer models to be acceptable for licensing purposes, additional comparisons are required to demonstrate that the RETRAN results bound plant operating data. Justification should include a discussion of nodalization, control system modeling, use and selection of phenomenological models, sensitivity studies and licensing assumptions. The purpose of this submittal is to obtain staff approval for the use of RETRAN in licensing actions associated with one specific class of transients events: Decrease in heat removal of the secondary system.

OBJECTIVE

The objective of this technical assistance program is to obtain expert technical services from the contractor to assist the staff in the review and determination of the acceptability of the referenced report.

### WORK REQUIREMENTS

The contractor will review Topical Report on RETRAN Model Qualification recommendations with bases on its acceptability for application to licensing actions.

#### Tasks

#### Project Completion Date

1. The contractor will perform a review of the FPL report NTH-TR-01, "RETRAN Model Qualification" dated July 1989. The review will cover the RETRAN comparisons with test data and method for applying the code to events involving a decrease in heat removal from the secondary system. June 30, 1990
2. Issue a request for additional information (RAI) as necessary to complete the Task 1 review. Review and evaluate the FPL responses to the RAI, assist in resolving any open items (including attendance at meetings with the vendor), and prepare a Technical Evaluation Report.
  - a. Issue RAI July 9, 1990
  - b. Draft TER September 2, 1990
  - c. Incorporate NRC comments and prepare the final TER October 30, 1990

### LEVEL OF EFFORT

The level of effort is estimated to be 2 person-months over a 5-month period.

### REPORTING REQUIREMENTS

1. At the completion of Task 1, submit a technical letter report to the Lead Engineer with a copy provided to the Project Manager that contains the request for additional information.
2. At the completion of Task 2, submit a TER, draft and final as appropriate, original and three copies, to the Lead Engineer with a copy to the Project Manager that contains an executive summary, a discussion of work performed, results attained, and findings/conclusions regarding the acceptability of the report.

### MEETINGS AND TRAVEL

One trip of one or two people to the NRC Headquarters in Rockville, MD should be planned and budgeted for a meeting to resolve open issues. If used, this meeting will be one or two days duration. Dates will be mutually agreed upon between the NRC Project Manager and the contractor.



#### APPLICABLE SPECIAL PROVISIONS

The work specified in this SOW is licensee fee recoverable. The contractor shall provide fee recovery information in the monthly progress reports in accordance with the requirements of the basic contracts.

The contractor specialists assigned to this task order may have to be badged for unescorted access privileges at the plant site. The contractor shall provide all advance information required for badging to the NRC Team Leader and the contractor specialists shall provide all documentation required for badging (as identified by the Team Leader) at the plant site access shall be addressed to the NRC Team Leader.

It shall be the responsibility of the contractor to assign technical staff employees, subcontractors, or consultants who have the required educational background, experience, or combination thereof, to meet both the technical and regulatory objectives of the work specified in this SOW. The NRC will rely on representations made by the contractor concerning the qualifications of the personnel proposed for assignment to this task order including assurance that all information contained in the technical and cost proposals, including resumes and conflict of interest disclosures, is accurate and truthful. The use of particular personnel is subject to NRC approval.

#### NRC FURNISHED MATERIALS

The NRC will provide all necessary materials to facilitate successful completion of this project. This will include Florida Power and Light licensing report NTH-TR-01, "RETRAN MODEL QUALIFICATION".