



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

J. Su
13

MAR 21 1978

NOTE TO: Distribution

FROM: L. C. Shao, Chief, Engineering Branch, DOR

SUBJECT: ENGINEERING BRANCH TECHNICAL ASSISTANCE PROGRAMS FOR CATEGORY
A TECHNICAL ACTIVITIES, FY 1978

The Engineering Branch, Division of Operating Reactors has completed a review of our technical assistance requirements for FY 1978. As part of this review, we have identified the generic funding levels needed to complete items associated with Category A Technical Activities, where EB has lead responsibility. The generic funding levels and contractors are identified in the attached table for each appropriate Category A Technical Activity. Also included for reference are the funding levels now contained in the current Rev. 0 Task Action Plan. Please revise your Category A Task Action Plan to include the indicated contractor and the new funding level where appropriate.

For information, Attachment 2 presents a complete list of Engineering Branch Technical Assistance Contracts, including the total funding level and EB technical contact.

L. C. Shao

L. C. Shao, Chief
Engineering Branch
Division of Operating Reactors

Enclosure:
As stated

-PS-C8B-D83 -

cc: V. Stello
R. Mattson
D. Eisenhower
D. Ross
J. Knight
R. Tedesco
M. Aycock
J. Guilbert
T. Telford
W. Minners

22 MAR 73 8:56

File
BNR-SRV TACA-39

8604020013 860114
PDR FOIA
FIREST085-665 PDR

Distribution - Memorandum dated 3/16/78

C.C. Graves
S. Hosford
B. D. Liaw
F. M. Almeter
J. Guibert
R. Snaider
R. M. Gamble
V. Potapovs
P. O'Connor
T. M. Su

EB TECHNICAL ASSISTANCE PROGRAMS FOR
CATEGORY A TECHNICAL ACTIVITIES, FY 78

<u>TASK NO.</u>	<u>TASK TITLE</u>	<u>ITEM</u>	<u>CONTRACTOR</u>	<u>AMOUNT FY 78</u>	
				<u>New Final</u>	<u>Rev. 0</u>
A-1	Water Hammer	4.d	EG&G	Undecided- ^{1/}	
A-2	Asymmetric Blowdown Loads	4.a	EG&G	200K	180K
A-3	W Steam Generator	Steam Generator Replacement	Undecided- ^{2/}	75K	--
A-3 & A-4	W & CE Steam Generators	4.a	Brookhaven	15K	200K
A-3, A-4 & A-5	W, CE & B&W Steam Generators	4.c	Sandia	80K	100K
A-7	Mark I Long Term Program	4.a	LLL- ^{3/}	55K	15K
		4.b	- ^{4/}	- ^{4/}	
4-10	BWR Nozzle Cracking	4A	ORNL	5K	30K
		4B	Sandia	5K	30K
		4C	Undecided- ^{5/}	5K	20K
A-11	RV Materials Toughness	4A	Undecided- ^{5/}	50K	50K
		4B	NRL- ^{6/}	45K	75K
A-12	Support Fracture Toughness	4	Sandia	100K	100K
A-14	Flaw Detection	4	ORNL	5K	--
A-15	Chemical Decontamination	4.a	Brookhaven	15K	100K
A-39	SRV Pool Dynamic Loads & Temperature Limits	4B	LLL- ^{3/}	55K	15K

- 1/ Scope of work is presently being prepared
- 2/ Request for proposal is presently being prepared
- 3/ This contract provides input for two Category A Technical Activities (A-7 and A-39)
- 4/ Item 4.b, "Safety Margin of Containment Structures", has been deleted and should be replaced with "Buckling Behavior of Dynamically Loaded Columns, LLL, 80K
- 5/ Request for proposal is presently being prepared for FY 78 and 79 and will provide input for A-10 and A-11. Present contractor is Washington University
- 6/ An additional contractor or added funding may be authorized in the next few months depending on availability of technical assistance from other sources

ENGINEERING BRANCH TECHNICAL ASSISTANCE PROGRAMS FOR

FY 1978:

<u>PROGRAM</u>	<u>FUNDING</u>	<u>EB CONTACT</u>
1. Inelastic Fracture Mechanics, (BID)	75K	Gamble
2. Corrosion, Coolant Chemistry, Chemical Cleaning and Decontamination in LWR Nuclear Plants, BNL	125K	Almeter
3. Reactor Vessel Irradiation Damage, NRL (Being Reviewed)	75K	Hoge
4. Technical Assistance to Operating Technology, Division of Operating Reactors, EG&G		
A. Primary and Secondary System Thermal Hydraulic Analyses	30K	Hosford
B. Mechanical Response of Operating PWR Primary System	200K	Hosford
C. Pipe Rupture Probability Analysis	7K	Hosford
D. Fuel Handling Accidents	20K	Levin
E. Control Rod Guide Tube Wear	8K	Levin
F. Systematic Evaluation Program (Seismic Review)	35K	Noonan
5. Statistical Assessment of Steam Generator Tube Degradation and ISI Sampling Plan, Sandia	80K	Gamble
6. NDE Exam/Inspections, ORNL	20K	R. Johnson
7. NDE Exam/Inspections, Sandia	25K	R. Johnson
8. Quantification of Seismic Conservatism of Operating Plants, LLL	144K	Bagchi
9. Elastic Plastic Seismic Analysis, LLL	80K	Bagchi
10. Fracture Toughness of Component Support Materials for Operating Plants, Sandia	100K	Levin
11. Mark I Containment Pool Dynamics/Structural Interaction, LLL	55K	Liaw
12. Buckling Behavior of Dynamically Loaded Columns, LLL	80K	Herring
13. Seismic Consultant, Newmark	75K	Bagchi

	<u>FUNDING</u>	<u>EB CONTACT</u>
14. ISI Program Review Assistance, BNL (Being Reviewed)	200K	Cheng
15. Effects of Seismic Aftershock on Operating Plants, LLL	50K	Bagchi
16. Engineering Mechanics Technical Support, LLL	165K	Stuart
*17. Site Specific Response Spectrum Shape, LLL	60K	Anderson

* This Program is assigned to SEPG