

Task	Title	Proceed?
1.0 B OBJECTIVES		
B. Add the words "based on past tests, studies, computer models and judgement"		
C. Delete this objective. NRC will perform the dose and dispersion analyses.		
D. Add the words "and provide NRC staff training for up to 3 individuals on the computer codes used."		
3.0A SCOPE OF WORK		
A. Delete "and the radiological consequences that those scenarios might cause" from the second line.		
3.0D TASKS		
Task 1 Terrorist Events Initiated by Aircraft Crashed and their Consequences		
Task 1.1 Large Jetliner Crash into an ISFSI		
Task 1.1A	Mechanical Analyses	Yes
Task 1.1B	Thermal Analyses	Yes
Task 1.1C	Rod-to-Cask Source Terms	Yes
Task 1.1D	Fission Product Transport	see specific sub-task below
Task 1.1Di	Undamaged Cask/Canister	Yes* *Consider using alternative methods or codes, instead of MELCOR for the source term evaluation.
Task 1.1Dii	Damaged Cask/Canister	Yes* *Consider using alternative methods or codes, instead of MELCOR for the source term evaluation.
Task 1.1E	Consequence Calculations	No
Task 1.1F	Engine Impact Scenario Interim Report	Yes
Task 1.1G	Final Report	Yes
Task 1.1H	Computer Code Demonstration Meeting	No* *Should be formal training as listed in the objectives under 1.0D
Task 1.2 - Crash of Small Plane Loaded with <u>Ex 2</u>		
Task 1.2A	Planes, Scenarios	Yes
Task 1.2B	Modeling <u>Ex 2</u>	see specific sub-task below

Ex 2 portions

ELH

<u>Task</u>	<u>Title</u> Ex 2	<u>Proceed?</u>
Task 1.2Bi	to Casks	Yes
Task 1.2Bii	Fission Product Release to Cask Interior	Yes
Task 1.2Biii	Fission Product Transport through Cask to Environment	Yes* *Consider using alternative methods or codes, instead of MELCOR for the source term evaluation.
Task 1.2Biv	Radiological Consequences	No
Task 1.2C	Small Plane Crash Report	Yes
Task 1.3 - Simplified Large Plane Model		
Task 1.3A	Model Development	Yes
Task 1.3B	Model Coding and Validation	Yes
Task 1.3C	Report	Yes
Task 2 Weapons, Radioactive Materials, Consequences		
Task 2.1	Summary Table of Results of Previous Studies	Yes
Task 2.2	Source Term Methodology	No
Task 2.3	Sabotage Table	No
Task 2.4	Report	No
Task 3 Models for Other Transportation Casks*		
* Only <u>two</u> transportation casks are to be analyzed, viz NAC-UMS and NAC NLI-1/2; Task 3 of proposal incorrectly references Hi-Star which should be deleted. NRC will provide SNL with applicant's proprietary ANSYS model of the NAC-UMS transportation cask. Also, NRC will provide SNL drawings of the NAC-NLI-1/2 cask showing dimensions and materials for transport of one!		
Task 3.1	ANSYS/LS-DYNA Models	Yes
Task 3.2	CTH Models	Yes
Task 3.3	ANSYS/Mechanical Models	Yes
Task 3.4	MELCOR Models	No* *Statement of work only includes structural model development.
Task 3.5	Model Reports	Yes

Ex 2

Ex 2 portions