

From: Jack Guttman - SFPO - NMSS
 To: Sturz, Frederick - NSIR
 Date: Fri, Jun 21, 2002 7:49 AM
 Subject: Fwd: OUTLINE

Fritz,

RES's addition of "improved offsite consequence modeling" may be applicable to NMSS, as well.

We are reviewing the available models developed by NRC, DOE and DTRA.

We are discussing these issues with RES (Jocelyn Mitchell).

We are also reviewing the need for potential upgrades to the MELCOR computer code to handle thermites and burn-bars (this is being coordinated with RES - (Charlie Tinkler)).

RES is performing detailed computer code modeling assessments on aircraft jet engines penetrating objects. We will be implementing their results. This is being coordinated with RES - Dan Dorman.

RES is performing detailed computer code modeling assessments on aircraft fuel tank behavior under crash events. We will be implementing their results. This is being coordinated with RES - Dan Dorman.

NMSS is attempting to contract with Boeing for vendor input on our large aircraft structural model. RES is measuring component dimensions of aircrafts in support of the aircraft structural model. Offices coordinating well.

NMSS is addressing the interfacing / restart problems for the Zepotec computer methods. RES will implement our fixes. This is being coordinated with RES - Dan Dorman.

NMSS and RES are working with an international consortium to obtain data related to spent fuel rod performance under terrorist event scenarios. This is a long-term (several years) project. Some additional funding may be required as events are identified. The purpose for the experiments is to quantify the size of radioactive particulates that result from the events (respirable vs non-respirable). The size impact the dispersion, and radiological/economic consequences. (NMSS - Kim Gruss, RES - Charlie Tinkler)

RES is also developing a program to obtain experimental data on fuel rod performance in support of both NRR and NMSS needs. (RES - Farouk Eltawila)

SFPO is Coordinating our definition of events to be analyzed with NSIR (Francis Young).

Jack.

CC: Brach, E. William; Dorman, Daniel; Easton, Earl; Eltawila, Farouk; Gruss, Kimberly; Hodges, M. Wayne; Mayfield, Michael; Mitchell, Jocelyn; Parkhill, Ron; Shewmaker, Robert; Tinkler, Charles; White, Bernard; Young, Francis

all SFPO - except this - otherwise marked

RES (above Dorman, Daniel)
RES (above Eltawila, Farouk)
RES (above Tinkler, Charles)
RES (above Young, Francis)

Alby