

Schaperow, Jason

From: Schaperow, Jason
Sent: Tuesday, January 11, 2011 10:32 AM
To: Tinkler, Charles
Subject: FW: SOW for Dycoda
Attachments: Scope of work.doc

For your information, attached is the statement of work for the proposed sole source contract with KC.

From: Schaperow, Jason
Sent: Tuesday, January 11, 2011 10:31 AM
To: Chang, Richard
Cc: Santiago, Patricia
Subject: RE: SOW for Dycoda

My proposed revision is attached.

Thanks,
Jason

From: Chang, Richard
Sent: Friday, January 07, 2011 8:24 AM
To: Schaperow, Jason
Subject: FW: SOW for Dycoda

From: Chang, Richard
Sent: Thursday, January 06, 2011 6:49 PM
To: Bowlin, Elizabeth
Subject: SOW for Dycoda

Elizabeth,

Please see attached for the draft SOW for Dycoda. I have left a IGCE on your chair.

Thanks,

Richard Chang
Program Manager
RES/DSA/SPB
301-251-7980

SCOPE OF WORK

The contractor ~~shall~~ will work with Sandia National Laboratories, under the technical direction of NRC staff, to conduct best-estimate accelerated evaluations, similar to a phenomena identification and ranking table (PIRT), of accident progression and offsite consequences for the SOARCA project. ~~modeling in the MELCOR computer code for the Surry Plant.~~

The contractor shall upgrade, ~~or develop,~~ and apply MELCOR plant models ~~(as necessary)~~ to incorporate best practices under development by Sandia National Laboratories, ~~and to use a current version of the MELCOR code.~~ Model development will depend on site-specific information to be provided by the NRC.

Calculations should predict accident progression metrics (e.g., time to uncover the core, time to core damage, time to vessel failure, time to containment failure), as well as the magnitude and form of fission product release. ~~Source terms should be characterized as either large early, large late, moderate, or small.~~ The contractor shall also perform sensitivity/uncertainty calculations to address important uncertainties. The contractor shall update SOARCA documentation and support peer review of the analyses and documentation. As directed by the NRC, the contractor shall revise analyses and documentation to address issues raised by the peer reviewers, licensee staff, and other stakeholders.

~~For the Surry plant, the contractor shall provide assistance to Sandia National Laboratories in the development of letter reports pertaining to the Surry Plant. The first report will describe the results of calculations performed for safety-related events.~~