

## Review of EP Assumptions used in SOARCA 3/17/10

Please refer to doc SOARCA\_NUREGVol\_III\_11\_19\_09(2)Jones.docx (which for some reason I no longer have electronically)

Please address comments as you are able, but suggest we not re-run MACCS (if necessary) until public comments are in (or the next run, whatever is first)

Comments:

PB

Pg 7/7 The 10-20 shadow should not encounter the same traffic impediments as the 0-10 public, consider the speed of the 0-10 shadow vise the 10-20 shadow and there seems to be an overly conservative speed for 10-20 shadow.

Pg 7/7 Thought the notification of the public was delayed due to route alerting? Was 1 hour really used in calcs? Thought we modeled 3 hours or something? (current rule making addresses back up alerting, but no time limit is specified, best effort type of thing. FEMA does use 45 minutes, but never tests whole EPZ and OROs would focus on downwind public and be better able to achieve notification, SOARCA assumes whole EPZ, of course) We could assume those close in get notified first, and all, but would need to redo cohorts, etc. Alternately, could average notification, but close in at higher risk, etc....

Surry

Pg 5-6/9 The speed of 16-20 shadow seems low for reasons above. Why is the mid-speed of 0-16 public better than the 0-10 public in previous analyses?

Pg 7/9 Why is the mid-speed of 0-20 public faster than the 0-10 public in previous analyses?

Pg 8/9 Shouldn't the timeline show a 30 minute delay in siren sounding? (regardless of why?) Think the words adequately describe the case, but the timeline does not indicate the delay.

Pg 9/9 Did we model the public evacuation (seismic case) to be quicker than the normal case? There is no EAS message due to public loss of power (except in car radios, etc). Although the shadow is bigger and the public will hear sirens, shouldn't there be some delay? Were we assuming the public goes on the sirens without notification?

Pg 9/9 Why is mid-speed for E public the same as W where all the seismic trouble is? Thought the E is low pop and almost free flowing?

J  
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