

NR  
1

**From:** John Flack *RES*  
**To:** *RES* Jack Rosenthal; Jennifer Uhle; Stuart Rubin  
**Date:** Thu, Aug 23, 2001 9:01 AM  
**Subject:** Re: PBMR Analytical Codes Preapplication Review

There are few questions that need to be addressed one way or the other, that could have a major impact on PBMR licensing:

1. Does the suite of codes presented by Exelon address all the areas that need to be addressed under a licensing application?
2. Has (or can) a link between the codes and their risk/safety significance be established?
3. Have the codes been validated, benchmarked, reviewed, and approved by the NRC for use in the licensing process? If not, are the source codes available? If not then what?
4. Does the staff have their own suite of codes from which they can draw their own independent conclusions regarding the adequacy of Exelon's codes and application? How much time/resources is needed to establish this capability?

At some point we'll need to discuss these and I am sure other questions.

John

**CC:** Chester Gingrich; Donald Carlson; Michael Mayfield; Scott Newberry; Thomas King;  
Undine Shoop

FF/SM