

CAP88-PC V4 TRAINING

Module 2.6

Summary and Questions



SUMMARY

CAP88-PC Version 4 is a significant enhancement to previous versions

- Improved modeling methods have resolved many computational questions
- Revised architecture and numerical methods have sped up code (a lot)
- User experience is more consistent with Windows standards but retains the traditional CAP88-PC look and feel
- Documentation of code development and testing is much more thorough
- Code is now redesigned to allow age-dependent variables
- Data is now separate from code to avoid security restrictions and enhance case management
- The code is also much more maintainable and adaptable
- We still need to work on the output system and ancillary modules



SOME ALREADY RECEIVED QUESTIONS

Q: **What are plans for incorporating hourly met data?**

A: No current plans, but with the introduction of the new architecture and numerical routines, it is now possible to redesign the code to perform short-time-frame modeling

Q: **Can you discuss something about the use of surrogates?**

A: We hope that the ever-expanding isotope set is limiting the need for surrogates. If surrogates are needed, the selection of these must be approved by EPA. We recommend selecting isotopes as surrogates that have similar chemical forms, emitted radiations, and half-lives to the original isotope.

Q: **Can you discuss application and use of age-dependent dose coefficients?**

A: At this time the age-dependent data is for preliminary use and not compliance runs. The use of age-specific data for population runs will assume all persons are at the selected age (as previously all were assumed to be adults). Individual runs could be used if the age with a-priori knowledge of the age distribution at the location of the highest dose.



SOME ADDITIONAL QUESTIONS

There have been many policy-related questions requested for inclusion, such as:

Discuss the fact that some states have additional requirements for AERs that are not a requirement under 40CFR61 H

Discuss the Memorandum of Understanding (MOU)

Can there be a summary discussion of State-specific requirements for the various NESHAP reports

Discuss ingestion exposure assumption for business location

- Ingestion exposure can be adjusted in the Agriculture tab. Selecting “Imported” will eliminate the dose from the assessment area. Note that the values selected will need to be justified to EPA in the report submittal.



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