



**EMERGENCY
MANAGEMENT
ISSUES**

**SCAPA Chemical Mixtures
Working Group**

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New Orleans

Health Code Numbers (HCNs)

- Progress to date.....
 - HCNs for ALL chemicals thru TEELs Rev 19
 - Over 2200 chemicals
 - HCNs for TEELs Rev 20 about 10% complete
 - About 30 of 300 chemicals ready for peer review
 - Funding review hold since mid-February
 - Resume HCN development
 - When funding resumed

HCNs—Things to remember.....

- **HCNs** are **DEFAULT** health effects codes
 - If effect seen in tox databases, HCN assigned
 - No further evaluation of tox data performed
 - Tox data generally from peer-reviewed journals
 - If have better info and can justify use.....use it!
 - Example: Primary vs Secondary organ effect
 - If Secondary organ effect insignificant, can ignore it
 - Toxicologist should make this determination
 - HCNs can be changed in CMM Excel Workbook
 - More about this later.....

Chemical Mixture Method (CMM)

- **CMM Excel Workbook**

- Revised & extensively tested October 2004
- Completely Automates CMM
 - Only user mixture input & PAC level choice required

CMM Workbook—**ONLINE!**

- **Workbook** placed **ONLINE** October 2004!
<http://www.orau.gov/emi/scapa/healthcodenumbers.htm>
 - Excel Workbook & User Guide downloadable
 - Lookup Table
 - All PACs (ERPGs & TEELs) in TEELs Rev 20
 - HCNs for all chemicals in TEELs Rev 19
 - User can add own chemicals, PACs, HCNs
 - Change or delete HCNs
 - HCN-TEEL Lookup Table protected but not by password
 - Software macros password protected
 - Maintains software integrity for SQA

Protective Action Criteria & CMM Workshop

- CMM Overview Presented
 - 2005 EMI-SIG—Monday May 2
 - Major CMM concepts
- CMM—better method for mixture analysis
 - Current methods NON- or OVER-conservative
- CMM Realistic yet conservative
- If want longer hands-on version of workshop...
- **Let NA-41 (Jim Fairobent) know**