
FRMAC Working Group Updates for Semi-Annual State/FRMAC Call

August 2021



ASSESSMENT WORKING GROUP UPDATE

Assessment Manual, Vol 2 (Pre-Assessed Scenarios):

Working on revising/updating 2010 version:

- 3 Scenarios completed
- 2 in final revision
- 2 in planning

Publication on hold until all scenarios are completed.

ASSESSMENT WORKING GROUP UPDATE

Turbo FRMAC:

- Added ability for user to define how to display units (Imperial or Metric), and format Dates and Numbers
- Added a new Analytical Action Levels (AAL) calculation to the Supplemental category

Public Protection

- Updated all calculations to allow defining two Particle Size Distributions, one for Plume Inhalation and one for Re-suspension Inhalation

ASSESSMENT WORKING GROUP UPDATE

Turbo FRMAC:

Ingestion

- Added a new Projecting Contamination in Food calculation. This includes calculations for Crop, Meat, Milk contamination
- Added toggle to include or exclude FDA Grouped Radionuclides in a Mixture
- Changed the "Fraction of Food Contaminated" defaults to 1.0 for Solid Food and Liquid Food Dose calculations

ASSESSMENT WORKING GROUP UPDATE

Turbo FRMAC:

Worker Protection

- Added new Worker Protection Stay Time calculation
- Added the Building Protection Factors input Panel and the Occupancy Factors input Panel to all Worker Protection calcs
- Added the Input Report and Briefing Product to the Worker Protection DRL calculation
- Added the Dose Parameters button to all Worker Protection calcs
- Updated the Time Settings Panel to allow user to add multiple Time Phases
- Updated the Dose Limits Panel to a single dose limit input per Time Phase
- Updated the Result Panel to display the multiple Time Phases
- Updated all Worker Protection calcs Breathing Rates to "Adult Light Exercise"

ASSESSMENT WORKING GROUP UPDATE

Training

Due to COVID-19, all in-person training has been suspended.

- AS-50 is available in recorded form.
- Online self-study version of AS-100 in final testing stage.
- Quarterly Continuing Training continues (most recent 7/22).

LAB ANALYSIS WORKING GROUP UPDATE

Programmatic Improvements

- Gamma Spectroscopist skillset – a reachback asset for laboratories supporting the incident and a spectroscopy expert to process in-situ spectra – First pilot class late Aug 2021
- Integrated Consortium of Lab Networks (ICLN) – DHS stood back up, team is working on updating the data exchange format
- Participating in MARSSIM review – first update in over 20 years

Training Development

- LA-050 – “FRMAC Support Laboratory Briefing” – being converted to Web-Based Training (WBT) and will be available mid to late 2021

Current Joint EPA/FRMAC FEMA-NIRT Projects

- Ground deposition sample analysis method
- FY22 project: Gamma spectroscopy WBT development for laboratory staff