

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

January 2021





# Assessment Working Group Update

## Assessment Manual, Vol 1:

### Highlights:

- Added Dose Rate Turn-back Limit and Worker DRL
- Updated Milk and Meat DRLs:
  - Added Weathering (Area DRL) and decay (ALL DRLs) to the Evaluation Time
  - Added root update in animal forage
- (See Appendix H for full list of changes.)

### Available at:

[https://www.nnss.gov/pages/programs/FRMAC/FRMAC\\_DocumentsManuals.html](https://www.nnss.gov/pages/programs/FRMAC/FRMAC_DocumentsManuals.html)



# Assessment Working Group Update

## Turbo FRMAC:

- Added Worker Protection and Administration of KI DRL Calculations
- Updated Meat and Milk DRL and Soil Ingestion Dose Calculations
- Added new transfer factors for feed and updated other default transfer factors
- Calculates DILs and Ingestion DRLs for FDA Radionuclide Groups.
  - In default calculation mode, when any of the group's members are added to a mixture, “group” is automatically added. (Still calculates DIL/DRL for individual radionuclide as well.)
  - Implemented for the Cs- and Pu-/Am- groups; not for the Ru- group.
- Upgraded the radiological database to the latest DCFPAK 2015 database. Six different vintages of data are included, containing published coefficients ranging from years 1983 to 2015.

**Available at [nirp.sandia.gov](http://nirp.sandia.gov)**



# Assessment Working Group Update

## Training

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

- AS-50 is available in recorded form.
- Work is ongoing in producing an online self-study version of AS-100.
- Quarterly Continuing Training continues.
- Online AS-100 to be offered in March 2021.
  - Contact Tom Laiche ([tlaich@sandia.gov](mailto:tlaich@sandia.gov)) to sign up.



# Lab Analysis Working Group Update

## Programmatic Improvements

- Transitioning to RadResponder operations
- Revision of Sample Control Form and Chain of Custody (COC) process
- Updating Lab Analysis Manual(s) over the next two 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

- EPA tasked to validate ground deposition sample screening methods for gamma spectroscopy, gross alpha and gross beta