

**FRMAC / State Semi-annual Conference Call Notes**  
**August 27, 2008**  
**8:00 – 9:30 PDT**

**I. Attendees**

- States Represented:

California	New York	Vermont
Florida	North Carolina	Washington
California	Ohio	Wisconsin
Kansas	South Carolina	
Michigan	Tennessee	

- Federal Agencies Represented:

DOE	RAP Region 3
EPA	RAP Region 5
NRC	RAP Region 6
USDA	Los Alamos
HHS	Sandia

- Other:

None

**II. FRMAC Events Calendar**

- Calendar reviewed and corrected (updated calendar attached for review and use)

**III. Main Discussion Items**

- Top Off 4 After Action Report - Jeremy Greenberg, DHS

Jeremy was not on the call but provided the following update. The After Action Report is final, but still under review within DHS. Once complete all participating D/A will receive a copy.

- Colleen will follow up with information about the report
- Empire 09
  - This will be a DOE full-scale exercise in Albany NY. The scenario will be an urban RDD. The next Planning Conference scheduled for 09/24-25/08.
- Paperless FRMAC (pFRMAC) – Harvey Clark, NNSA (see attached presentations)
  - Paperless FRMAC began almost two years ago. The concept began as an attempt to eliminate paper handling and avoid data re-entry as much as possible. Quickly the potential for much more was seen.
  - Dramatic advances in data management have been made as a result of the Paperless FRMAC initiative. Because FRMAC is the hub for all radiological monitoring and the production of data products, very large amounts of data must be quickly assimilated from numerous sources and then widely distributed as graphical interpretations as fast as possible. Paperless FRMAC is a broad initiative to move that data faster, farther and better through telemetry, automation, and networking.

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- Key features of and future goals for the paperlessFRMAC include multi-path telemetry of measurements from DOE field teams, 24/7 Internet presence, early data entry by first responders, support for distance collaborations, and data exchange with the EPA's SCRIBE database. The heart of the enterprise is the RAMS database, which provides seamless interfacing with GIS, LIMS, and TurboFRMAC for calculations.
- Paperless FRMAC presents itself to users via two Internet websites.
- The first, FRMAC Portal website, is available for the emergency responders to provide data input, analysis, and product development.
- The second, CMweb website, is the showroom for completed and approved products, which are made much more widely available. In fact, CMweb offers seamless, single log-in access to all data products for any IMAAC, NARAC or CMweb user.
- The next project is the integration of the Laboratory Information Management System (LIMS) with the RAMS System. LIMS is COTS computer software that is used widely by laboratories for the management of samples, laboratory users, instruments, standards and analysis results. The LIMS system is used to collect sample information and facilitate interoperability with the laboratories doing the sample analyses.
- The systems described above represent the FRMAC Factory while the CMweb can be described as the FRMAC store where approved products and other documentation are available for the consumption of many different users. All CMweb customers now have a single log in to the FRMAC Store.
- During an exercise or event, the CMweb is managed by the NARAC administrators and the Consequence Management Home Team (CMHT). State and local governments can input data to the CMweb through the CMHT. The CMHT can be contacted by calling 702-794-1665 **once activated**. For general questions about CMHT support, call RaJah at 702-295-8641.

The CMHT functions as a virtual extension of the FRMAC when a full FRMAC has not yet or will not be deployed. The CMHT is activated in the same way RAP or FRMAC are activated by calling DOE headquarters and requesting assistance. Once DOE has made the determination that CMHT assistance is required, an activation call-out sequence is initiated. All positions of the CMHT are staffed 24/7/365 and can respond within 1 hour during business hours and 2 hours after close of business.

There are five personnel on-call on duty at all times. When the CMHT is activated, the two Bridge Line Coordinators on duty will activate the CMHT bridge line and begin to contact state, federal and local agencies to invite them to the line. Meanwhile, the assessment scientist, GIS scientist, and web administrator join the call and prepare for requests.

The same products and assistance are available with the exception of field monitoring teams. Advice can be provided regarding worker turn-back, monitoring routes, evacuation zones, and so on. Map products can be generated with little turn around time using local monitoring and meteorological data as well.

Harvey Clark provided an overview of the standard products and the new briefing products. (See attached presentation) There is a need to brief non-technical decision makers without a SME present. The product needs to be more intuitive, provide instruction and is standardized. The two separate product lines are being developed. The new briefing products will always contain an expiration

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date. The briefing products are designed for projection. We have developed the 4<sup>th</sup> version of the briefing products and are working to resolve conflicting input in order to complete version 5.

- CMweb – Brenda Pobanz, NARAC

Brenda was unable to participate in the call but provided this input: In an effort to make reaching Nuclear/Radiological Consequence Management products more convenient for all, the FRMAC Web and the NARAC Web came together to make the CM Web. All consequence management products, whether generated by the FRMAC or by NARAC are now available on this one web site (cmweb.llnl.gov). The FRMAC has migrated meeting notes and documents to this new location as well. If you already have a NARAC Web (or IMAAC Web) account, that same login and password will work on the new CM Web. If you have a FRMAC Web account only, you will need to reapply for an account by going to cmweb.llnl.gov and clicking on the account request link under the login box. Your account will be verified by the FRMAC administrators, and a new CM Web account granted.

CMweb has been successfully utilized during several IPXs this year and during the Diablo Bravo Exercise in July. The Department of Energy has funded a technical integration project in FY09 to continue to improve the CMweb, including improving the working relationship with the other parts of Paperless FRMAC and improving the layout and structure, making it easier to find information that has been shared.

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#### **IV. Status Reports and Agency Updates on Manuals, Guides and Working Groups**

- National Response Framework (DHS) / Nuc/Rad Incident Annex, dated June 2008 – FEMA
  - Revised REP Manual going through final review. Scheduled to publish it in Spring 09.
- EPA, Sara Decair EPA/HQ
  - Revised PAG Manual in final interagency review. Seeking public comments now. Currently developing new web based training course.
- FRMAC Post-Emergency Work Group – Gregg Dempsey, EPA
  - Developing guidance on how to transfer the FRMAC from DOE to EPA.
- Advisory Team
  - Have been participating in outreaches, exercises and drills. Making contact with state and local representatives. Attended AS100 training recently in Albuquerque NM and highly recommend the course. Will participate in AS200 training at RSL in October. Draft A-Team Con Ops sent out for comment.
- Population Monitoring Work Group & Atlanta meeting – Armin Ansari, CDC
  - Developing web based training tool for reception center. Working Group working on the training tool with ORISE. There is a meeting scheduled in Atlanta 02/10-11/09. Inviting states who are recruiting health physics volunteers. Also brainstorming about how to get more volunteers.
- FRMAC Manuals

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- New notebook format – Revisions to the manuals published in the new three ring binder format will not be sent out as hard copies. Recipients will be asked to download revisions from the web.
- Operations – Colleen O’Laughlin, DOE/NNSA
  - Revising the FRMAC Operations Manual. There will be an Operations Working Group Meeting in Washington D.C. 11/18-19/08 to continue working on the manual and other tasks. Target completion for the manual is 06/09
- Health & Safety – Sara Hoover, LANL
  - There will be a Health & Safety Meeting in the spring of 09
- Monitoring & Sampling – Bob Augdahl, RSL
  - A Monitoring and Sampling WG Meeting will be scheduled in the near future
- Assessment – Terry Kraus, SNL
  - The FRMAC Assessment Working Group (AWG) recently completed an update to the FRMAC ASSESSMENT MANUAL PRE-ASSESSED DEFAULT SCENARIOS VOLUME 3. The major changes were made to Section 8. That includes a RDD accident. It has been published in the new three ring binder format.
  - The FRMAC Assessment Working Group (AWG) has recently approved an Advanced Worker Protection (AWP) method. The AWP method allows an integrated self-reading dosimeter that only detects external radiation, to be used to estimate the total dose from both external radiation and the inhalation dose. The AWP method considers whether or not the worker is in respiratory protection. The AWP method facilitates the development of more accurate worker stay times and turn back limits.
  - The AWG is working to finalize an assessment method to calculate the skin dose from beta emitters deposited on the ground. This method considers the skin dose from external radiation and from direct contamination (i.e., contamination on the skin).
  - The AWG is also modifying the assessment calculations to fully incorporate the EPA’s avoidable dose concept. The modifications will allow for more accurate estimates of projected doses on which protective action decisions are based upon.
  - Turbo FRMAC Version 2.0 software was released October 2007. The latest version (i.e., Turbo FRMAC Version 2.1) was released in August 2008, which provides compatibility with the new Windows Vista Operating System.
  - Any state or local government EOC can use Turbo FRMAC software after completing of the proper licensing form. Contact John Fulton at Sandia National Laboratories ([jdfulto@sandia.gov](mailto:jdfulto@sandia.gov)) for information on completing the licensing form and obtaining a copy of Turbo FRMAC. Once the paperwork has been completed, authorized Turbo FRMAC users will be automatically sent updated versions of Turbo FRMAC, as they are developed.

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- Turbo FRMAC is a radiological assessment tool for technical scientists but with a little training, most people can use it.
  - Sandia National Laboratories is developing an Advanced Assessment Scientist Course in FY09, which will teach additional assessment methods and additional uses of Turbo FRMAC than those taught in the standard Assessment Scientist course.
  - Update notifications for Turbo FRMAC will be posted on the CMweb so all users can verify they have the most current version of Turbo FRMAC.
- Laboratory Analysis – Robb Hadley, LLNL

Robb was unavailable for the call but provided this input: The FRMAC Laboratory Analysis Working Group last met on January 29-30, 2008 at the EPA facility in Las Vegas. A conference call was held on May 6, 2008 as a follow-up to that meeting. We have been working on a variety of issues starting with coordination among the various federal and state entities, recommending standard geometries, training of FRMAC laboratory responders, etc. We are preparing for the Empire 09 exercise, which aims to emphasize sampling and laboratory operations.

Our next working group meeting will be held in conjunction with the RRM in Dustin, FL, October 27-31, 2008. We have also been asked to conduct a one-day workshop at this conference on laboratory issues in emergency response. A conference call will be held in the next month to discuss this workshop.

## V. Conferences / Training / Outreaches / Exercises – Jan 2008

- Conferences
  - NREP (2008 and 2009) – Stan Crawford, NREP Committee Chair
    - Next years NREP Conference will be held in Norfolk VA. The focus will be to have various organizations bring their vehicles and equipment for demonstrations. If you are interested in submitting an abstract, they are due no later than October 10, 2008. Please log on to the following URL for more details and submission instructions:  
<http://www.nationalrep.org/ABSTRACTS%20SOLICITATION.pdf>
  - CRCPD
    - Next meeting will be held 05/18-21/09 in Columbus OH. Planning meeting will be held in 12/08. Please send abstracts to Ruth McBurney. Her email address is [rmcburney@crcpd.org](mailto:rmcburney@crcpd.org)
  - HPS
    - Next years meeting will be held in San Antonio TX 01/31/09-02/03/09. Next years meeting will include a section on emergency response.
- Training
  - RAPTER – RAP
  - CM Training & Capstone Drills, Las Vegas, NV – Don Van Etten, RSL
  - Capstones will change to quarterly training with focus areas such as Assessment and Laboratory Analysis

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- Outreach/IPX
  - Nuclear Power Plant Exercise and Outreaches – Calendar 2008-2009
    - Sequoyah NPP Outreach held 08/13/08. Planning for the evaluated exercise 10/15-16/08
  - North Anna NPP Outreach & IPX – Susan Binkley, VA / Kevin Keyes, FEMA
  - Catawba/McGuire NPP IPX – Joel Parson, SC / Steve Payne, NC / Kevin Keyes, FEMA
  - Columbia NPP Outreach & IPX– - Johanna Berkey, WA / Tom Andrews, NRC
  - Sequoyah NPP Outreach & IPX – Gary Lima & Liz Flanagan, TN
  - Duane Arnold NPP Outreach Only – Pebble Holland, IA / Norm Valentine, FEMA
  - Point Beach NPP Outreach & IPX – Teri Engelhardt, WI / Bill King, FEMA
- Other (RDD, IND, Other, Lessons Learned, etc.)
  - Diablo Bravo, WA (Robb Hadley, LLNL & states, locals, federal agencies)
  - Empire 09, Albany, NY - (Colleen O'Laughlin, DOE/NNSA / Greg Brunelle, NY SEMA / Adela Salame-Alfie, NY DOH)

#### VI. Open Discussion / Next Call

- ***The next call is scheduled for Wednesday, January 28, 2009 from 8-9:30 PT***