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For information regarding the EMR-ISAC visit www.usfa.dhs.gov/emr-isac or contact the EMR-ISAC office at: (301) 447-1325 and/or emr-isac@fema.dhs.gov.

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Dangers of Flood-Weakened Dams

Several large-scale floods this year caused significant damage to various parts of the United States and many of these areas are still trying to recover. In these locations, high waters flowing over the dam or levee was a leading cause of failure, but often there is hidden damage to the structure and, without a thorough inspection, it can go unseen for years. This can cause seepage and foundation erosion, which can lead to future failure. In addition, natural settling, earthquakes, and improper maintenance will cause structural problems over time.

Several resources are available to help emergency managers with their dam problems. The [Association of State Dam Safety Officials \(ASDSO\)](#) starts out with “Dam Safety 101,” which talks about the number of deficient dams in the country, the funding problem, and goes on from there to discuss top issues they are facing, levee safety, and list dam failures and incidents. They have a wide range of resources available, a training center, and even discuss dam security and protection as related to manmade threats.

The Army Corps of Engineers hosts the [National Inventory of Dams](#). Here, you can view information in various ways. When viewing details for a specific state, for example, it will provide a map, show a total number of dams, their hazard potential, the number of high hazard potential dams that have an Emergency Action Plan, dams by height, primary owner type, primary purpose, and completion date. There is also national information, an interactive map, and an interactive report.

The United States Society on Dams offers a presentation, “[Water and Dams in Today’s World](#),” available online and via DVD at no charge. Finally, FEMA’s [National Dam Safety Program](#) has awarded millions in grant money in the past several years. It also offers training, promotes research, and holds a conference every year.

(Source: [ASDSO](#))

Nuclear/Radiological Incident Annex Finalized

The Federal Emergency Management Agency (FEMA) has finalized the “[Nuclear/Radiological Incident Annex](#)” (NRIA) (PDF, 3.3 Mb) that serves as a supplement to the Federal Interagency Operational Plan (FIOP) and National Response Framework (NRF). The Annex provides hazard-specific supplemental information departments and agencies can use to respond to threats or actual nuclear or radiological

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incidents, whether resulting from accidents, deliberate acts, or natural disasters.

The Annex was developed by FEMA and an interagency planning team that included several other federal agencies. The NRIA describes the process and structures for federal departments and agencies to respond to threats or actual nuclear or radiological incidents resulting from accidents, deliberate acts, or natural disasters. The Annex is an excellent reference guide for states, tribes, and locals conducting their own planning for nuclear and radiological incidents.

For any questions on the Annex or other FEMA Response plans, please email [re-sponse-planning@fema.dhs.gov](mailto:response-planning@fema.dhs.gov)

(Source: [FEMA](#))

Higher Education Emergency Management Needs

The [National Center for Campus Public Safety](#) (NCCP) released the "[National Higher Education Emergency Management Needs Assessment](#)," an overview of what an institution of higher learning needs in its facility emergency management office.

This new report, developed through a collaborative research project, found the known emergency management needs fell into five themes: institutional engagement; training and exercises; plans and operational continuity; staffing and resources; and partnerships and assistance. Based on this, they decided on several recommendations to address these needs.

The NCCP is an excellent resource for emergency managers and heads of security at institutes of higher education. In addition to resources like the above report and other research, it hosts a "[living](#)" [library of campus safety information](#); [training, webinars, and conferences](#); and [links to affiliates](#) working in this field. You can also join their mailing list to keep up with recent updates.

(Source: [NCCP](#))

Hazardous Materials Virtual Exercise

FEMA is offering three hazardous materials scenario for gas transport [Virtual Tabletop Exercise](#) (VTTX) program sessions on February 7, 8, and 9, 2017, through EMI. This VTTX offering will help communities look at their jurisdiction's plans and response capabilities for this type of hazmat incident.

Session content is the same each day and participants attend only one session. The monthly VTTX program involves key personnel discussing simulated scenarios in an informal setting using a Video Teleconference (VTC) platform and is used to assess plans, policies, training, and procedures. The design of the VTTX is for a group of ten or more representatives from each participating state, local, tribal, and territorial government.

This session is scheduled for 12 p.m.-4 p.m. Eastern on each of the days listed above. To participate and for connection details, send an email to Doug Kahn at douglas.kahn@fema.dhs.gov or call 301-447-7645. Also, send a courtesy copy email to the Integrated Emergency Management Branch at fema-emi-iemb@fema.dhs.gov or call 301-447-1381. The application deadline is December 27. Other 2017 VTTX topics include chlorine gas incident, earthquakes, tornadoes, and cyber incidents.

(Source: [EMI VTTX](#))

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