EMERGENCY OR DISASTER?

CREATING AN EMERGENCY PREPAREDNESS AND RESPONSE PROGRAM FOR YOUR COLLECTIONS

Valinda S. Carroll Preservation Manager William R. and Norma B. Harvey Library Hampton University VLA Professional Associates Forum 2017

WHAT IS A PREPAREDNESS & RESPONSE PROGRAM?

- Written Plan
- Supplies
- People



AVOIDING A DISASTER

- Assessment
- Training
- Refining/Adapting a Plan
- Training

- Obtaining Supplies
- Training
- Cultivating Relationships
- Training

ASSESSMENTS: WHO

- Outside Preservation Consultant
- Trained In-house staff
- Specialists (Fire, Security, etc.)
- Vendors
- Peers

ASSESSMENTS: WHAT

- Building/ site
- Collection
- Policies
- Procedures



ASSESSMENTS: INCIDENTS

- Past incidents at your institution
- Incidents at peer institutions (anywhere)
- Incidents at local institutions (any type)
- Past incidents in the historical record

ASSESSMENT TOOLS

Birmingham MUSEUMS

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x x x	_		x x	x	x	x	v		The building's floor loading capacity is known and followed by all staff working in the s	Nost Visited	Getting St	arted []] (Links 🗌 Post to LibGuides 🛄 Add to Delicious 🗍 + Flip it 🛄 Scoop.it! 🛄 Press T	This
	X X						л	X	The building has a back-up power source such as batteries or a solar panel for fire alarms and suppression systems and exit and safety lighting, environmental controls, and securit case of power outage.			Ri	Awareness Profiling 1	GET STARTED
x x x		X 2	x x	x	x	х	x	x	The special needs of museum objects and museum records are incorporated in the unit's Plan.					Already registered?
	x	x x	x x	x	x	x	x	X t	The staff are trained biannually and tested in evacuation procedures for themselves and v types of emergencies including how to pull alarms, close windows and doors, avoid elevi follow a pre-chosen evacuation route to a common assembly point.		0	other her organisa	lat enables you, as a manager in a museum, library or stitution, to assess the level of risk awareness in your rovides you with a profile that indicates areas where e organisation is good, and areas where	EMAIL ADDRESS
x x x	x y	x y	x x	x	x	x	x	X	The building has a well-maintained elevator with appropriate emergency features, such a working 24-hour-a-day phone, an escape hatch, and a warning sign that the elevator is no an emergency evacuation route.		i	improver	reded. RAPT also provides guidance to help wareness of risks to your business.	Login >
x x x	X X	X 2	X X	х	Х	х	х	X	The museum staff have keys to all mechanical rooms and janitor's closets.					Forgotten your password?
X X X	X X	X 2	X X	х	Х	х	х	X I	Building exits are free of obstruction.					Not yet registered?
x x x	x y	x y	x x	x	x	x	x	X	Space is sufficient and well designed for the movement of staff, equipment, and objects i without hindrances (e.g., low ceilings; inadequately sized doors; or narrow, winding, or s stairways).		F	RAPT ask	ns will I be asked? ber of simple questions about planning, policies and procedures, some of w e detailed questions. The first-level questions are grouped into four areas of	
x x x	x x	x 2	x x	x	x	x	x		The unit has determined the extent to which museum collections and associated museum risk from the threats listed in the NPS <i>Museum Handbook</i> , Part I, Chapters 9 and 10.				s of the organisation and its business:	
x x x	X X	X 2	x x	x	x	x	х		The special needs of museum collections and records are incorporated into the unit's Em Operation Plan (EOP).			1		How does it work?
x x x	X X	X 2	x x	x	x	X	X		Space is organized in a way that allows for easy access to museum objects and use of pro equipment.				and a second and a	Need to know more about how to complete RAPT, or what it can do for you?
x x x	X X	x y	x x	x	x	х	x	x	Written rules and procedures are available to provide staff with guidance on the handling of museum objects.					Solo Your guide to RAPT >
x x	X X	X 2	X X	X	X	х	х	X	The building has a good first aid kit.			ASSET	SYSTEMS FINANCE AUDIE	Not yet ready to complete your details, or want to try out RAPT
x x x	X X	X 2	X X	х	х	х	х	X I	Museum staff have CPR and basic first aid training.			RUGEI	OTOTENIO TINANOL AODIE	before you do so?

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ARTS COUNCIL ENGLAND

CONSERVATION ASSESSMENT PROGRAM



Since 1990, CAP has assisted nearly 3,000 museums, historic homes and sites, 2006, aquariums, nature centers, botanical gardens, and arboreta better care for their collections. CAP is a non-competitive technical assistance program that provides a general conservation assessment of your museum's collections, environmental conditions, and site. Conservation priorities are site entitled by professionals who spend two days on-site and three days writing a final report.

> ADAMS Applications for the 2015 program are now live. All applications must be submitted by December 1, 2014 at 11:59 PM. This year marks the 25th Anniversary of CAP - check out what we're doing to celebrate **here**.

> > Museum_Library

The Conservation Assessment Program is supported through a generous cooperative agreement with the Institute of Museum and Library Services.

FAQs ReCAP Information

Spotlight

The Impact of CAP CAP is often the impetus for dramatic change within an institution. Below are images of the the General Lew Wallace Neuron and Study's (GLINMS) flood-prone basement and attic before and after the museum's 2004 CAP assessment.



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COLLECTIONS ASSESSMENT FOR PRESERVATION PROGRAM (CAP)

About Us

Deadline: T.B.D.

Grant Info:

Application: The next CAP application deadline will be announced soon

Program Overview:

The Collections Assessment for Preservation Program (CAP) is supported through a cooperative agreement between the Institute of Museum and Library Services and the Foundation of the American Institute for Conservation of Historic and Artistic Works, Inc. (FAIC).

The Collections Assessment for Preservation Program will build upon the former CAP program (Conservation Assessment Program) that was funded by IMLS and administered by Heritage Preservation for 24 years, until Heritage Preservation ceased operations in 2015. The new program will continue to support collections assessments for small and medium-sized museums throughout the nation.

FAIC is currently developing the systems and infrastructure needed to run the program, and plans to announce the first call for applications from museums to participate in the program in the fall of 2016 with an early 2017 deadline. Detailed information will be posted here in the coming months.

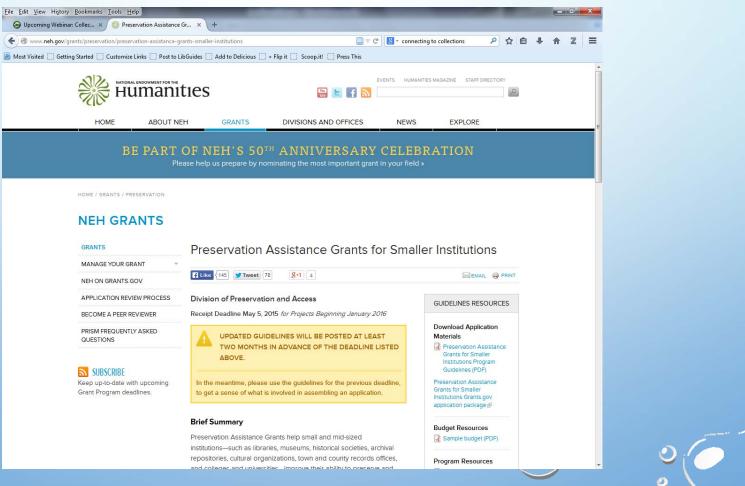
Press Release:

"IMLS and the FAIC Announce New Collections Assessment For Preservation Program"

Program Contacts:

Christopher J. Reich Senior Advisor <u>creich@imls.gov</u>⊠ 202-653-4685 $\tilde{\mathbf{D}}$

PRESERVATION ASSISTANCE GRANTS



ANALYZING RISKS

- IDENTIFY hazards
- PREVENT occurrence
- MITIGATE effects

Adapted from David Tremaine, Canadian Conservation Institute, 1999

RATING HAZARDS

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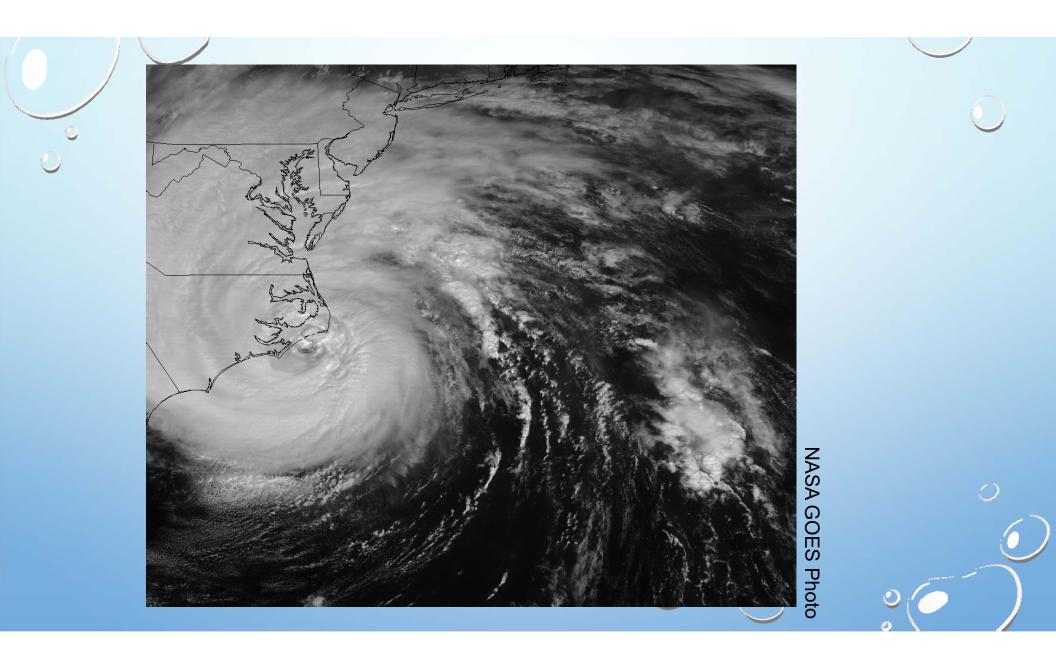
- Frequency
- Severity
- Extent

HAZARDS

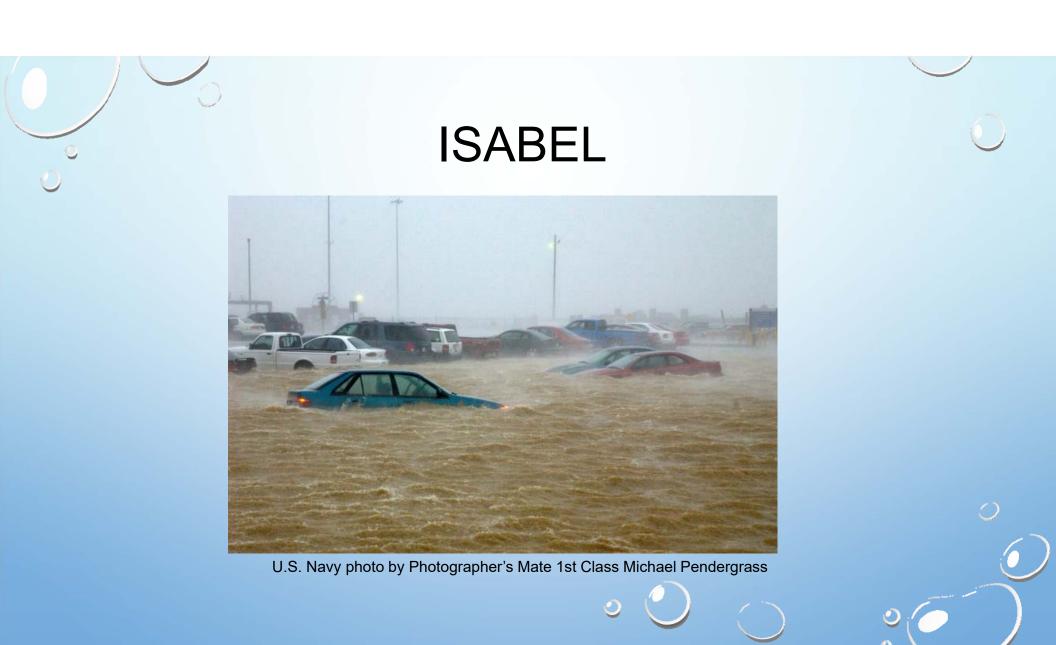
- Natural hazards
- Manmade Hazards
- Other: maintenance-related emergencies



NATURAL HAZARDS







PAST INCIDENTS IN THE REGION





PEERS IN OTHER REGIONS



Thousand Oaks Library; Online Archive of California





LIGHTNING

- Christopher Newport University dormitory 2006
- Two floors destroyed
- 76 students displaced

DEFERRED MAINTENANCE & AVOIDABLE CRISES



- Short term cost-cutting
- PR and credibility problems
- 2009 collapse of Cologne City Archives (construction of subway line)

HUMAN ERROR





Jesse Hutcheson/CNU Office of Communications and Public Relations

UCLA FLOOD 2014



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LAFD Photo by Jaime Moore

UCLA FLOOD 2014



TERRORISM/ ACTS OF WAR



- 53 passengers and 6 crew from American Airlines Flight 77
- 125 on ground

STRATEGY FOR PLANNING

- Break down the larger hazards into individual problems
- Ice storm= power outage + roof leak + burst pipe (localized flood) + lack of staff access (roads)
- Hurricane= power outage + widespread flooding + landscape damage + leaky/broken window + roof leak + lack of staff access (roads)
- Lightning Strike= power outage + leaky/broken window + roof leak + sprinkler system discharge (localized flood) + burnt collections + soot
- Contractor Fire= power outage + sprinkler system discharge (localized flood) + burnt collections + soot



INCIDENT COMMAND SYSTEM



ome About

Resources D

Discussions Calendar

Meeting Room 👻

Help Contact

Archives

The Supercharged Management System

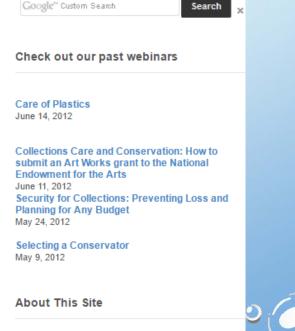


Every cultural repository needs *two* management structures: the day-today, business-as-usual hierarchy, and a "supercharged" management structure that takes over temporarily during a crisis or whenever events threaten to overwhelm normal business routines. Emergency responders have used just such a supercharged structure for years: the Incident Command System (ICS). Whether you are preparing for fires and floods or planning a major public event—the Incident Command System is a proven management tool that safeguards lives, property, and priceless collections. Presenter, David W. Carmicheal, shared with participants how to put ICS to use in cultural organizations in this hour-long webinar, *The*

Supercharged Management System: Applying the Incident Command System in Cultural Repositories.

Featured Resources:

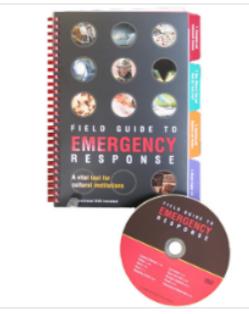
- · PowerPoint Presentation from David W. Carmicheal
- ICS (Incident Command System) Resource Center (FEMA)
- Implementing the Incident Command System at the Institutional Level: A Handbook for Libraries, Archives, Museums, and other Cultural Institutions, David W. Carmicheal
- Poster: Working with Emergency Responders Tips for Cultural Institutions (Heritage Preservation/Foundation for the American Institute for Conservation)
- Learn more about MayDay 2013 activities hosted by Heritage Preservation.



ONLINE COMMUNITY

The Connecting to Collections Care Online

Field Guide to Emergency Response



Hover over the image to zoom. Click the image for a popup.

When disaster strikes, what will you do? What actually happens may be very different from what you expect. Even with a plan, you'll need clear and practical advice to help you with initial response and salvage steps.

Follow the Field Guide's step-by-step instructions tailored to the scope of your emergency: what to do first, whom to call, how to prevent further damage. Form a response team to deal with multiple tasks, including

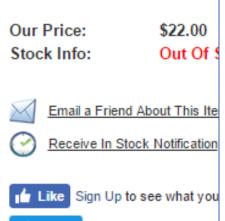
Sports

Movies

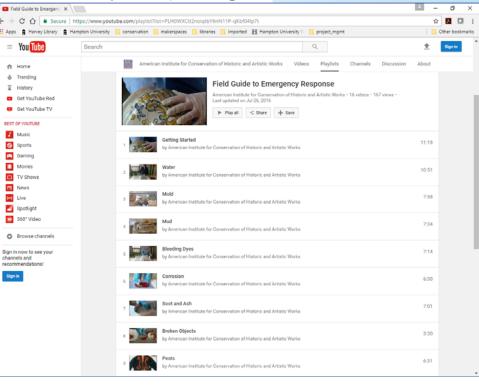
R News

(+) Live

working with emergency respon damage, ensuring health and sa \equiv operation. Stabilize your collect r Home handing the most common type & Trending pests, and other threats. Custon and find vital conservation resou BEST OF YOUTUB Music



Tweet



IMPORTANT DATES

- National Preparedness Month: September
- National PreparAthon! Day: September 30
- National Fire Prevention Week: week of October 9
- Great SouthEast ShakeOut: October 19
- Preservation Week: the last week in April
- MayDay: May 1
- National Hurricane Preparedness Week: second week in May

EMERGENCY PREPAREDNESS DAY

9:30 AM-4:30PM Emergency Supplies "Petting Zoo"

Do you know what supplies we have? Can you locate them? Do you know how to use them?

- 10AM-11AM Training DVD Salvaging Wet Collections
- 11AM-NOON Update Flip Charts
- 2PM-4PM Update dPlan And PReP

Pocket Response Plan™ PReP ™ Templates

The Pocket Response Plan™ (PReP™) is a concise document for recording essential information needed by staff in case of a disaster or other emergency. Every person having a response-related assignment should carry a PReP with them at all times.



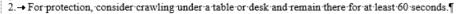
The PReP is intended to be customized for each institution and individual staff member. It is printed on both sides of a legal-size sheet of paper, then trimmed and folded to credit card size and stored in a Tyvek[™] envelope that fits easily into a wallet.

On one side is an Emergency Communication Directory, with contact information for staff, first responders, emergency services, utilities, vendors and suppliers, disaster teams, and other essential individuals and agencies.

The other side contains an Emergency Response Checklist: an organized list of those actions that each individual should take in the first 24 to 72 hours following a disaster.

The PReP is meant to complement, not replace, an agency's disaster plan. It ensures that managers and staff have the most essential information with them at all times.

The PReP was originally developed as a component of CoSA's Framework for Emergency Preparedness.



3.→ Stay away from windows, mirrors, overhead fixtures, filing cabinets, bookcases, and electrical equipment.¶

4. → If evacuation is ordered, alert patrons and request that they leave. Make sure all staff and patrons are accounted for. Don't forget handicapped people who may need your help in exiting. Do not move seriously injured persons unless they are in obvious, immediate danger (building collapse, fire, etc.). Avoid known problem areas (where there are gas lines, fire hazard areas, etc.). Once out, keep as far away from the building as possible.¶

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5. → Open doors carefully. Watch for falling objects.

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- 6.→ Do not use elevators; save the heroics for those properly trained.¶
- 7.→ Do not use matches or lighters. Sparks might trigger explosions.¶
- 8.→ Avoid using telephones, cellphones and hand radios. Again, electrical sparks, or signals could trigger other bombs.⁽²⁾

EXPLOSION ·& ·RANDOM ·ACTS ·OF ·VIOLENCE ¤

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ONLINE PLAN

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dPlan™ The Online I	Disaster-Planning Tool for Cultural and Civic Institutions	-]	
Home Log In Demo New User About dPlan Contact NEDCC This online disaster-planning template was prepared by the Northeast Document Conservation Center (NEDCC) and the Massachusetts Board of Lubray Commissioners (MBLC). The development of the template was funded by the Institute of Museum and Lubray Services (IMLS) and the National Center for Preservation Technology and Inaining (NCPTT).	<image/> <text><section-header><section-header><text><text><text><text><text><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></text></text></text></text></text></section-header></section-header></text>	Regular	or "Lite"
			0

ERS: Emergency Response and Salvage

View More by This Developer

By NCPTT National Park Service

Open iTunes to buy and download apps.



Description

iPhone Screenshots

ERS outlines critical stages of disaster response, such as stabilizing the environment and assessing damage. It will help users protect precious collections and significant records, access reliable information instantly, and save damaged objects.

NCPTT National Park Service Web Site > ERS: Emergency Response and Salvage Support >

...More

View in iTunes

Free

Category: Reference Released: Apr 04, 2012 Version: 1.0.5 Size: 4.7 MB Language: English Seller: Sean Clifford Content ©2011 Heritage Preservation, Inc. Software ©2012 National Park Service Rated 4+

Compatibility: Requires iOS 5.1 or later. Compatible with iPhone, iPad, and iPod touch.

Customer Ratings

Current Version: **** 5 Ratings

More iPhone Apps by NCPTT National Park Service



Carrier 🛜 3:32 PM Carrier 穼 3:33 PM Carrier 🛜 ERS Photographs 1. Remove from plastic/paper enclosures or frames. Save all information about the photos. 2. Carefully rinse with cool, clean water as necessary. 3. Do not touch or blot surfaces. 4. Air dry: hang with clips on non-image areas or lay flat on absorbent paper. Keep photographs from contact with adjacent surfaces or each other. 5. If there are too many for immediate attention, either: · Keep photos (except historic photos) in a container of clean water no more than 48 hours. Air dry. · Freeze. If possible, interleave each photo with freezer or waxed paper. 6. Do not freeze glass plate negatives.

Customer Reviews

Hope I never have to use it! $\star \star \star \star$ by ScrabbleLover52

Basic info, but I anticipate it will be very helpful to have immediately at hand in a museum emergency. I hope I will never have to use it. Perhaps a later upgrade might include a checklist, or a notes page where you could keep your and the second 12



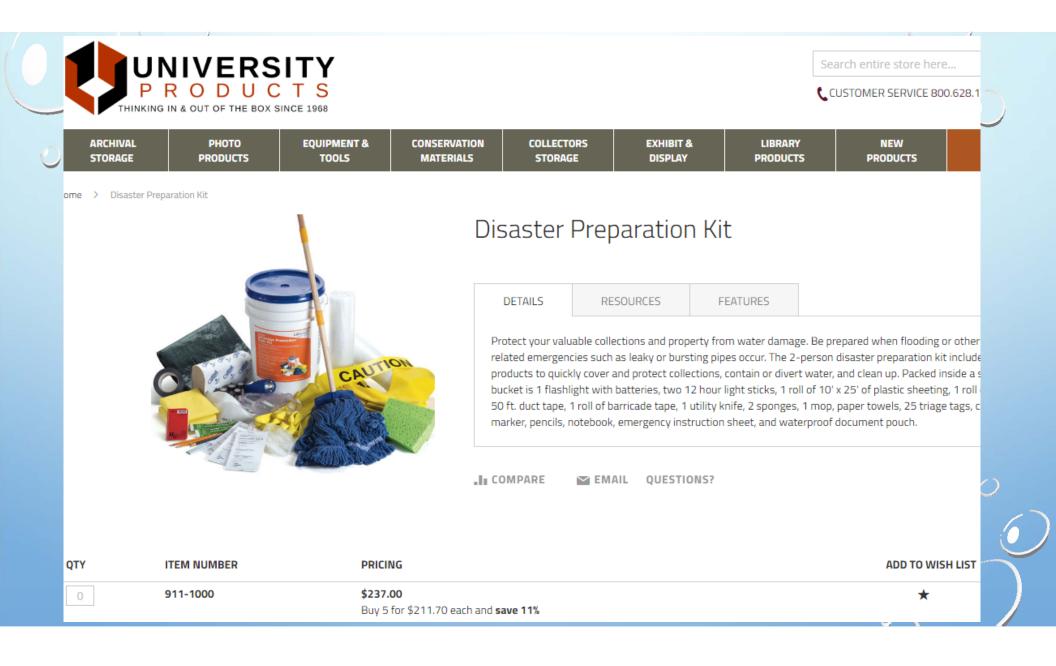
INTERNAL COMMUNICATIONS

- Telephone tree
- Cross departmental and reporting lines
- Include office and home or cell phone
- Add non-institutional email accounts

EXTERNAL COMMUNICATIONS

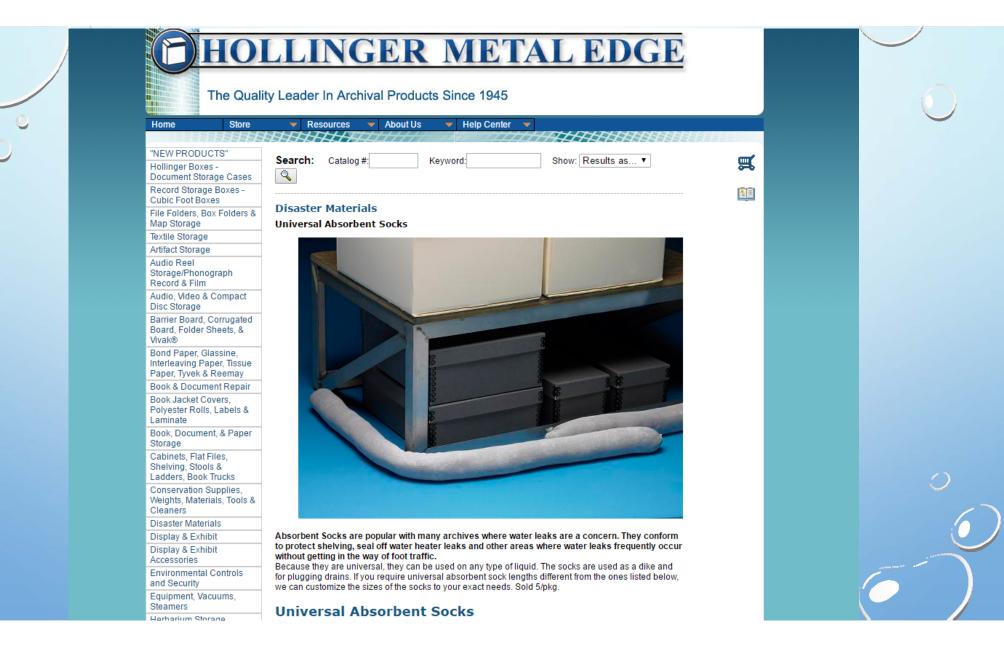
- Share key contacts with other departments
- Include public relations staff contacts (Director will usually communicate with PR staff members)
- Include contacts at peer institutions
- Include emergency responder, government agency, utility company contacts

PRESERVATION	EXHIBIT & DISPLAY	ENVIRONMENTAL CONTROL	STORAGE & HANDLING	RESOURCE
ME / ENVIRONMENTAL CONTRO	OL / EMERGENCY PREPAREDNESS / RE	SPONSE KITS		+ SHARE
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	AND	As low	as: \$272.00	
	CAR MA		re, Save More!	
		1 to 2	\$279.99	
		7		
		Quantity		
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The Just-in-case Case New DETAILS RESOURCES The Just-in-case Case is a complete disaster preparedness kit. While there are spill kits and first aids kits available no one provides a kit that comes close to the Just-In-Case Case disaster preparedness kit. The kit has been created with the experience and support of conservators, curators, archivists, librarians and collection managers. It is designed to be used primarily by a 2 person team and provides a range of items to document damage, prevent further damage, and then clean-up. The kit is intended for use in small scale disasters such as flooding, exposure to elements or dust ingress. Each kit is sealed to prevent misuse of contents. **COMPARE** ■ EMAIL OUESTIONS? OTY **ITEM NUMBER** PRICING ADD TO WISH LIST 0 805-3777 \$695.95 *



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PRESERVATION	EXHIBIT & DISPLAY	ENVIRONMENTAL CONTROL	STORAGE & HANDLING	RESOU
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		Zirco	n® Leak Alert™ Water Det	ector
		Port #: 5:	2155	
		As low	as: \$27.49	
and the second second		Buy Mor	re, Save More!	
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HOME



Welcome to Zorbix.info

Whether you are dealing with a water damaged book or humidifying a dog-eared and creased item, Zorbix increases your ability to treat the item carefully, quickly and successfully. Books and documents can be returned to the shelf within a day - flat and dry. Works of art can be flattened or creases diminished or removed easily.

NEW PRODUCTS



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ADD TO CART



Vacme Press Bags \$43.00

CHOOSE OPTIONS

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Disaster Recovery



Evolon[®] technology: revolutionary, unique, invented by Freudenberg

Our microfilament textiles combine a series of outstanding technical and textile properties within a single product.

Evolon® fabrics are produced using a unique textile manufacturing process invented by Freudenberg.

Endless hi-component filaments are shun, uniformly laid on a helt, then simultaneously solit into

A human hair on Evolon® microfilament structure





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CONCLUSIONS



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RESOURCES

Caring For Your Treasures <u>http://www.conservation-us.org/about-conservation/caring-for-your-treasures#.vfosegfscta</u>

CCI Notes (Canadian Conservation Institute) https://www.cci-icc.gc.ca/resources-ressources/ccinotesicc/index-eng.aspx

NPS Museum Handbook http://www.nps.gov/museum/publications/handbook.html

Training Courses from FEMA http://www.conservation-us.org/emergencies/emergencymanagmentcourses#.WQc4PYj1Dcs

Emergency Funding Ideas from Foundation Center http://grantspace.org/tools/knowledge-base/Funding-Resources/General/emergency-funding

RESOURCES

Preservation Self-assessment Program http://www.library.illinois.edu/prescons/projects_grants/grants/psap/

Property Care White Papers (Historic New England) http://www.historicnewengland.org/preservation/preserving-historic-sites/property-care-whitepapers

Re-org Storage Reorganization http://www.re-org.info/

Risk Awareness Profiling Tool http://www.raptonline.org.uk/welcome.asp

Risk evaluation http://www.conservation-us.org/emergencies/risk-evaluation-and-planningprogram#.WQc4M4j1Dcs

RESOURCES

The Supercharged Management System (Incident Command System) https://www.connectingtocollections.org/ics/

Incident Command System for Cultural Institutions https://vimeo.com/64256377

Pocket Response Plan PReP™

https://www.statearchivists.org/programs/emergency-preparedness/emergency-preparednessresources/pocket-response-plantm-prep-tm-english-template/