

Mission Possible: Safety First Emergency Response for Cultural Heritage Institutions in Puerto Rico & USVI

See Reverse for Paperwork

Burden Disclosure Notice

See Attached

Nora S. Lockshin PA-AIC Katie Wagner PA-AIC Rebecca Kennedy Stacy Bowe

3rd Annual Safety and Cultural Heritage Summit Preserving Our Heritage and Protecting Our Health

Assistance Requested

Program Code/Event Number

4339DR-PR: HURRICANE MARIA

ASSISTANCE REQUIRED

State

Request DOI deploy specialty Subject Matter Experts to provide expertise to the Institute of Puerto Rican Culture and the Puerto Rico General Archive in San Juan, PR to support Puerto Rico General Archive's request for technical assistance in response operations. Request 1 Team of 4 Specialists from ESF 11 including Department of Interior, NARA and other Heritage Emergency National Task Force members. Deployment shall be for minimum 2 weeks. Cost for two weeks for 4 people estimated at \$40000 (overtime, travel, per diem and lodging, overhead and misc.)

DEPARTMENT OF HOMELAND SECURITY

FEDERAL EMERGENCY MANAGEMENT AGENCY

MISSION ASSIGNMENT (MA)

TRACKING INFORMATION (FEMA Use Only)

PR (Puerto Rico) Incident:2017091701-Hurricane Maria

November 7 2018

O.M.B. NO. 1660-0047

Expires March 31, 2014

NEMIS Number

Date/Time Received

1509-245098

10/19/2017 14:54

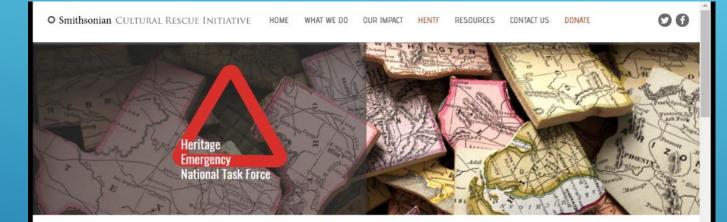
Background

- Scope of real-world challenges we've faced in areawide environmental disaster (post Hurricanes Irma & Maria)
- Resources
- Areas for improvement
- Panel discussion / Q&A

TOPICS



HERITAGE EMERGENCY NATIONAL TASK FORCE (FEMA-HENTF)



Home / HENTF

Who We Are

The Heritage Emergency National Task Force (HENTF), co-sponsored by the Federal Emergency Management Agency (FEMA) and the Smithsonian Institution, is a partnership of 42 national service organizations and federal agencies.

Our Mission



Federal Emergency Management Agency

Smithsonian Cultural Rescue Initiative www.culturalrescue.si.edu

GENERAL / published

Federal Emergency Management Agency Emergency Management Institute <u>https://training.fema.gov/</u>

American Institute for Conservation Health and Safety Group <u>Health and</u> <u>Safety in Emergency Response (2016)</u>

Office of Safety & Health Administration <u>OSHA Fact Sheets</u>

PREPARATION / RESOURCES



SPECIFIC / internal

Smithsonian Occupational Health Services & Travel Medicine

Department of Interior for NARA, NPS Emergency Response & Recovery Activities: Storms, Floods, & Hurricanes Safety & Health Guidance

FEMA JFO / Disaster Safety Officer (DSO)

- Environmental & Historic Preservation (EHP) DISASTER HAZARD ASSESSMENT PLAN (DHAP)
 - HAZARD IDENTIFICATION, EVALUATION & CONTROL

associated with EHP field activities Work Com	nhole, crawl space, or other fined space. Do not enter a fined spaces. Not identified as a for this position. Contact the ster Safety Officer for guidance. king in confined spaces requires ppliance with 29 CFR 1910 virements.
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PHASE 1: 60-90 days post-event

Rapid site assessments via:

- Walkabouts, staff interviews
- Compare to self-reported or unreported due to communications outages

Report:

- Scale & types of damages
- > Priorities & Needs
- > Resources: available or interrupted

ENVIRONMENT







PHASE 1: 60-90 days post-event

- Hot (avg. 85F)
- Humid (avg. 85-90% RH)

GENERALLY HAZARDOUS

- Dark
- Slippery / uneven surfaces
- Water uptake in most materials /
- Mold growth evident
 - depending on air circulation, standing water, damp or wet building fabric
- Unstable power
 - frequent blackouts, diesel delivery dependent





Conservation

C

Apps

Secure https://www.fema.gov/media-library/assets/images/155344

Conservation Referen

Conservation contem

HENTF Assists Archivists In Puerto Rico

Conservation Referen

Digital Preservation



Q Search

Canguages

Multimedia (Photos, Video, and Audio) Multimedia Collections Documents and Resources Document Collections Photo, Video Use Guidelines



gov/media-library/assets/images/155343 📩 🕅 🕅 🖓 😫 😭 🛄 🚺 🧭 🗄 tem 📙 Conservation Referen 📙 Conservation Referen 📒 Digital Preservation 🛛 🔹 📙 Other bookmarks

JTF Assists Archivists In Puerto Rico

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Other bookmarks



AN, Puerto Rico, December 14, 2017 - Nora Lockshin, Senior Conservator at the phian Institution Archives, addresses a group of librarians, museum staff and archivists, and explains how to mix cleaning supplies to care for paintings, books and historical artifacts that were affected by Hurricane María. FEMA and the Smithsonian



UNSTABLE ELECTRICAL ENVIRONMENT



Universidad de Puerto Rico librarians providing critical reference services to students outside while building was closed.

SITUATIONAL PRESSURES





Maintaining awareness of head injury, electrical, & laceration risks

MITIGATING RISK ONSITE



"Field dressing" interventions for people & objects at imminent risk



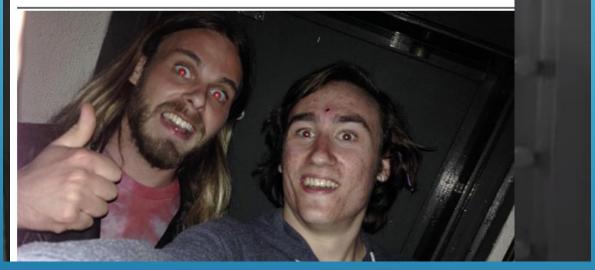
The Telegraph

2015

HOME » NEWS » UK NEWS » LAW AND ORDER

Two art lovers rescued after being locked in a bank vault installation

Firefighters use corring drills, reciprocating saws, heavy breaching and breaking equipment to free pair from a bank vault in Cardiff



The New York Times



ARCHIVES | 2000

Woman Dies of Suffocation After Locking Herself in a Vault

By ELISSA GOOTMAN JULY 29, 2000

A woman working at a financial services company died Thursday night after accidentally locking herself in a vault and triggering a fire extinguishing system that filled the chamber with carbon dioxide, the police said yesterday.

The authorities are investigating what went wrong around 9 o'clock, when the woman, Esther Penn, 35, became trapped in the 10,000-square-foot vault while storing stock receipts.

Before pulling the fire alarm, Ms. Penn used an in-house telephone in the vault to call her supervisor, leaving a message on his voice mail that she was trapped, the police said.

She then apparently panicked, pulling a lever marked "fire suppression" and unwittingly activating the extinguisher system instead of merely summoning help.

CONFINED SPACE ENTRY WHAT DOES IT LOOK LIKE TO A CULTURAL HERITAGE RESPONDER?



FEMA-HENTF TEAM'S OWN RISK ASSESSMENT – TRAINING TO ENABLE MASS SCALE, LONG-TERM, SELF-DIRECTED RECOVERY

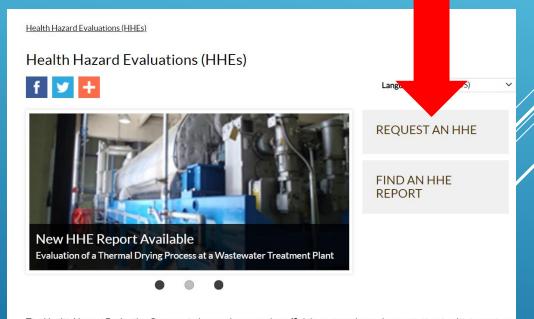
Mission Assignment Goal: to "provide expertise & technical assistance" in recovery.

Inform workers of strategies, resources, responsibilities and revised priorities for cultural heritage orgs in recovery.

Can we do our part better by asking for partnership regarding health & safety?

YES!

- Invoke NIOSH/CDC's Health Hazard Evaluation program
- <u>https://www.cdc.gov/niosh/hhe/</u>



The Health Hazard Evaluation Program helps employees, union officials, and employers learn whether health hazards are present at their workplace and recommends ways to reduce hazards and prevent work-related illness. Our evaluations are done at no cost to the employees, union official, or employers.



Normal practice

- Stable, known conditions & expectations
- Knowledgeable staff make best practice decisions

LONG-TERM RECOVERY



vs. Response & Recovery

- Stress on people, objects and systems
- Knowledgeable staff make risk-based, prioritized decisions
- Much written guidance is short-term
- Long term recovery = long term stress
 - OPERATIONAL STRESS CONTROL
 - ► TRAUMA INFORMED APPROACH
 - Substance Abuse and Mental Health Services Administration (SAMHSA) Disaster Distress Helpline
 - <u>https://www.samhsa.gov/find-help/disaster-distress-helpline</u>
 - > 1-800-985-5990 / TTY 1-800-846-8517
 - > Text SMS: TalkWithUs to 66746

NOBODY TRAINS FOR IGUANAS

ANIMAL CONTROL AND OTHER BIOHAZARDS









DISPLACED WILDLIFE POTENTIAL DANGERS OF REGION SPECIFIC ANIMALS BITES & LACERATIONS





INFECTIOUS DISEASES FROM BATS







MOLD THE SHEER EXTENT AFTER A DISASTER



Water purification bottles

- Yellow Card/Traveler's Vaccinations
- Emergency medicine (antibiotics, rehydration salts etc.)

FOOD/WATER BORNE ILLNESS TRAVEL PREP









PPE & PRACTICES



More awareness & focus on:

- ► MANAGING RISKS & EXPECTATIONS
- ► MENTAL HEALTH SKILLS & TOOLS
 - OPERATIONAL STRESS CONTROL
 - TRAUMA INFORMED APPROACH
- ► CONFINED SPACE ENTRY
 - Usually more highlighted for Search & Rescue; or structural & facilities operations staff
 - what does it look like to a cultural heritage responder?
- ► FALL RISKS
- ► ELECTRICAL RISKS
- ► HEAT STRESS

NEEDS FOR RESPONDERS & SUPPORT STAFF



- ANIMAL CONTROL
- PERSONAL SAFETY
 - ► TRAVEL SECURITY
 - ► RESIDENCE SAFETY
 - ► BUDDY SYSTEMS

Travel teams:

- Donald Booher, CDC
- Beatriz Centeno-Pineiro, Vicki Lee, Abigail Aldritch NARA
- Elizabeth Milnarik, Diana Pardue, NPS
- > Ashley Jehle, NMAfA
- Rebecca Kennedy, NPM
- Nora Lockshin, SIA
- Katie Wagner SIL
- Stacy Bowe, Cori Wegener, SCRI,
- Viviana Dominguez, Art Conservators Lab LLC

WITH THANKS TO OUR PUERTO RICO & US VIRGIN ISLAND HOSTS

Supporters:

- Smithsonian Office of Safety Environmental Health and Management, Travel Medicine
- Richard Kurin, Scott Millar, Smithsonian Institution
- Anne Van Camp, Liza O'Leary, RoseMaria Estevez, SIA
- Katelynn Averyt, Stacy Bowe, Cori Wegener, SCRI
- > Ana Villas Boas, Kathleen Fleming, SI TMO
- > Lori Foley, Lois Coulter, David Jones, FEMA
- John McDade, Keenan Adams, FWS / FEMA-NCRR
- Jennifer Groman, NASA / FEMA-EHP
- > Ann Hitchcock, NPS
- > John Nelson, ESF #11 NCH/COOP
- > Preston Huff, William Bosanko, NARA
- Jayna Marques, Angela Chongo, Constellation Travel





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WITH THANKS TO POTOMAC AIHA SMITHSONIAN INSTITUTION WASHINGTON CONSERVATION GUILD

