



Storm Preparation and Recovery Operations Workshop

Target Audience: This CEU-accredited course (DS/DW/WW02094005 at 0.7 hr) is designed for DOT, municipal public works, parks, streets/roads, water, wastewater, distribution/collection and/or storm water utility workers or any other government entity employees who may be called on for storm preparation and recovery operations, including "away" operations while providing mutual aid.

This course is also recommended for division supervisors, agency safety officers, department safety coordinators, general safety trainers and/or fleet team members.

Additional applications would be as an orientation for new employees and a good refresher for seasoned staff. As this course has a *Train the Trainer* component, it is also recommended for in-house assigned safety trainers.

Students will receive a Training Certificate!



For more information or to inquire about upcoming training dates:

Email: info@wetrainamerica.com

Telephone: 813.995.8872 (Tony)

Website: WeTrainAmerica.com

Workshop Format: Participants are sub-grouped at separate tables by department type. Each specialty group is challenged to identify and solve storm preparedness problems common to their division. Real-life “pre-, mid- and post-storm” issues are reviewed to develop proactive storm preparedness checklists for both facilities and field tasks.



Program Highlights:

Part 1—Personal/Family Preparation: Common past experiences with smaller hurricanes lure many of us into complacency. In reality, relatively few public agency employees in Florida have been first-hand witnesses to a devastating hurricane such as Katrina, Andrew, Hugo, Irma, or Michael. This section compares typical class 1, 2 and 3 hurricanes to class 4 and 5 storms.



Personal and family disaster preparedness suggestions are made based on actual life threatening/mass community disruption level hurricanes, not just tropical depressions, and less intense hurricanes. An even higher level of personal readiness is contemplated for those of us who must separate from family while serving our municipality or agency during storm and recovery processes.



Part 2—Preparing the Public Agency: This part educates employees on the overall emergency management process. It discusses YOUR agency's emergency management coordinator's role and the basic features of an emergency operations center (EOC). It stresses the importance of each department declaring an allegiance to the EOC and the benefits derived from participating in a coordinated city/county/region-wide response, including the utilization of mutual aid.



Part 3—Preparing the Public Agency Department(s): This section discusses department-level preparedness and reviews lists of activities performed on a calendar basis and on a time-line basis once an emergency is declared. Detailed activities include items that are critical as storms approach, pass over and exit the community. Many additional activities are detailed related to initiating and completing the recovery process.



Part 4—Preparing Your Public Agency Employees: This component covers important preparations on the part of the city, county, utility or government agency to possibly house, fit and provision your employees who may staff emergency centers or stage at other city locations. Discussion on special services such as FEMA meal/ice/drink tents, personal vehicle fuel allotments and travel kits (if providing mutual aid to distant storm-impacted cities) is included.



Part 5—Storm Recovery Safety Issues: This final section identifies hazards related to storm damage inspection, tree work, structure demolition, building tarping/repair and debris removal. It classifies activities and suggests safe work practices, including use of PPE (personal protective equipment) and appropriate outdoor apparel.



Specific Safety issues discussed include:

- puncture wounds
- hygiene
- cleanliness and decontamination
- trips and falls
- tree work and chain saws
- mobile equipment risks
- heat stress
- general exhaustion
- downed powerlines
- flood water and drowning risk
- carbon monoxide risks
- lightning
- over-exertion (lifting) injuries
- hazardous materials
- asbestos
- insects, vermin, and domestic, wild animal risks
- ...and the many other hazards clean-up crews face

Part 6—Storm Recovery Safety Briefings and Other Training: As recommended by OSHA, periodic employee briefing/debriefing sessions, frequent “tailgate” meetings and the provision of other training information is important. A list of sources for free training information is provided.

Hurricane Preparations Checklist			
permit Clip Board Area			
Water = 1 gallon/person/day x 7			
Water purification tablets	canine goods	ice chest	Non-powdered tuna
No batteries beach	spin	plastic bags	Charcoal/lighter fluid
Instant coffee	canine food	pet food	gas grill
Food storage	bread	Non-electric car opener	Gas tanks/boxes
Food storage (dry)	boxed meat		
**** Supplies - General in Home ****			
Gas topped off in car	Flash water	Trash bag/empty	Entertainment items
Toys/box	Gas lighter	Ply sheath	Solar panel
PPE	Battery Coleman lamp	Children's lock	Generator
Batteries	Candles	Desk	Heavy raincoat/rain gear
Hand sanitizer	Hand soap	Screen tent	Antihistamine
Hand sanitizer	Hand soap	Boat fan	
Tools/kit	Wrench	Fuel	
Tools/kit	Wrench	Solar lights	
Check escape routes	Extra gas - in car trunk	Extension cords	
Battery fans			
**** Personnel ****			
Medication	Diapers		
Travel kit	Baby food		
**** Dwelling Shelter ****			
Window storm shutters	Atlic Tie downs		
Door upper/lower locks	Door locks		
Birds			
Garage door (Auto blocking)			
**** Yard Projects ****			
Lean lumber			
Shed to store			
**** Vehicles/Boats ****			
Plastic	Auto away from trees	See Pet time with vet	
Boat covers (seawater)			
**** Emergency Gear ****			
Shovel	Fire extinguisher	Eye Protection	Eye Protection
Shovel	Eye Protection	Eye Protection	Eye Protection
Shovel	Eye Protection	Eye Protection	Eye Protection
Shovel	Eye Protection	Eye Protection	Eye Protection
**** Tools/Machinery ****			
Chain saw	Machete		
Hand saw			
**** Tree Care/Removal ****			
Tree limbs			
Thinning trees			
**** Roof ****			
Tarp	On tarp		
Roofing nails			

Department Hurricane Checklist						
Clip Board Area						
A - General Equipment Condition - Exterior						
1	Glass (cracked / clean / missing pane)	9	Step grip pads			
2	Mirrors (cracked / clean / missing pane)	10	Lube Points Wet			
3	Tires (pressure / sidewall / tread)	11	Bucket/Water seen/wear			
4	Electrical (Wiring / mounts / fasteners)	12	Attachment Hydraulics Caps			
5	Fluid Loss (pooling/drips/spray pattern)	13	Side Screens			
6	Hydraulics (lines / mounts / covers)	14	Other			
7	Hanging / Trapped Debris	15				
8	New damage	16				
B - Under hood/bins						
1	Oil Level	4	Beak Gaskets (Oil Residue)			
2	Belt condition/tightness	5	Coolant Reservoir			
3	Battery terminals (Covered / clean / coated)	6				
C - General Equipment Condition - Interior						
1	Cab Cleanliness (dash board / seats / floor)	5	Park Brake			
2	Engine (Quick Start / Gauges (Peg / correct range))	6	Seat/Mirror Position			
3	Voices (M/R / control / tightness)	7	Brake lock			
4	Backup Alarm	8	Worn			
D - Solid Rear Attachments						
1	Boom (leaks/loose)	3	Clutch release			
2	Bucket out / inoperative	4	Turn engine off!!!			
E - Walk Around (Engine Off)						
1	Head Lights	4	Beacon			
2	Emergency Flashers	5	Auxiliary Work Zone Lighting			
3	Engine Sound Normal	6	Other			
F - Other Special System Components						
1		5				
2		6				
3		7				
4		8				
G - Yard / Facility						
H - Route / Work Zone / Location						
Signature: _____						
Item	Description of condition	Service Needed	Classed Operation	Noted for Service	Made Repair	Retired