



Storm Preparation and Recovery Operations Workshop

Target Audience: 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 power lines
- flood water and drowning risk
- carbon monoxide risks
- lightning
- over exertion (lifting) injuries
- hazardous materials
- asbestos
- insects, vermin and domestic, wild animal risk
- ...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.

permit Clip Board Area			
Hurricane Preparations Checklist			
**** Supplies - Food/Water/Cooking ****			
Water - 1 gal/person/day x 7	Canned goods	Ice packs	First aid/first aid kit
Water purification tablets	Oral	Hot plate	Chalk/lighter fluid
No soot/ives clean	Spam	Plastic bags	Gas grill
Instant coffee	Canned meat	Plat food	Gas grill
Food store	Spiced	Non-electric can opener	Gas tanks/boiler
Peanut butter (jelly)	Instant meat		
**** Supplies - General In Home ****			
Gas topped oil/cas	Flash water	Protect receipt	Brick/stone items
Toobook	Big lighter	Ply swifter	Power inverter
PPE	Battery Coleman lamps	Children's toys	Solar panel
Batteries	Garbage	Tools	Generator
Toilet paper	Rain gear	Screen tent	Stair/stranded stairs
Hand sanitizers	Piece Water	Box fan	Antihistamine
Thermostat setting	Wine	Pool	
Matches	Ball TV	Solar lights	
Check emergency routes	Extra gas - in car/trunk	Extension cords	
Battery fans			
**** Personal ****			
Medication	Diapers		
Toilet Kit	Baby food		
**** Dwelling Shelter ****			
Window storm shutters	Allic tie downs		
Door upper/lower locks	Door locks		
Slides			
Garage door (Auto bracing)			
**** Yard Projects ****			
Lawn furniture			
Sher in cone			
**** Vehicles/Boats ****			
Plastic	Auto away from trees	See Pet law with vet	
Boat covers ice water			
**** 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/Machines ****			
Chainsaw	Machete		
Ply bar	Hand saw		
**** Tree Care/Removal ****			
Tree limbs			
Thinning trees			
**** Roof ****			
Tarp	Tin tabs		
Roofing nails			

Clip Board Area					
Department Hurricane Checklist					
A - General Equipment Condition - Exterior					
1 Glass (cracked / clean / missing pane)	8 Step grip pads				
2 Mirrors (cracked / clean / missing pane)	10 Loose Hinges/Wet				
3 Tires (pressure / sidewall / tread)	11 Bucket welds/teeth/wear				
4 Electrical (Wiring / wires / fasteners)	12 Attachment Hydraulics Caps				
5 Fluid Loss (pooling/drip/spray / pattern)	13 Side Screens				
6 Hydraulics (lines / mounts / covers)	14 Other				
7 Hanging / Tripped Debris	15				
8 New damage	16				
B - Under Hood/Engine					
1 Oil Level	4 Seals 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 / Reg / correct range)	6 Seat/Mirror Position				
3 Yokes (Pin / control tightness)	7 Brake Lock				
4 Back-up Alarm	8 Horn				
D - Skid Steer Attachment					
1 Boom/Gras/Claws	3 Catch/Release				
2 Bucket cut/in/out/detent	4 Turn engine off/idle				
E - Walk Around (Engine)					
1 Head Lights	4 Beacon				
2 Emergency Flashes	5 Auxiliary Work Zone Lighting				
3 Engine Sound Nozzle	6 Other				
F - Other Special System Components					
1	5				
2	6				
3	7				
4	8				
G - Yard / Facility					
H - Route / Work Zone / Location					
Service Needed					
Item	Description of condition	Ceased Operation	Noted for Service	Made Repair	Refilled
Signature: _____					