

NANT

33rd Annual Symposium

March 22, 2016

“Disaster Preparedness”

Lawrence K. Park



Fresenius Corporate Level Disaster Response Activity in 2015

- January 26 -28 Winter Storm Juno ~3' feet snow
 - 9 States effected in the Northeast
 - 159 clinic closures, 43 delay openings
- August 14th San Juan Area – Low Water Reservoir Issue - Drought
- August 28 -29 Tropical Storm Erika
 - First Florida threat in 9 years
 - Dissipated over Cuba
- August 28-29 Hurricane Ignacio
 - Hawaiian Islands
 - Turned East and missed Hawaii



Fresenius Corporate Level Disaster Response Activity in 2015

- October 1-2 Hurricane Joaquin
 - Mid Atlantic States on preparation standby
 - Storm turned East out to sea

- October 5-8 South Carolina Flood ~2 feet rain
 - 28 clinics adjusted schedules
 - 8 closures, 1 on Generator, 1 on water tanker
 - Flood damage in 2 clinics total \$83K



Fresenius Corporate Level Disaster Response – Activity in 2016

- January 22, 24, 25 and 26 - Winter Storm Jonas



Disaster Preparedness Training

- Annual update of RVP Disaster Preparedness Manual
 - Completed Manuals posted on Fresenius Intranet
 - Workshops scheduled to review entire process for new RVPs
- Annual Technical Disaster Response Training
 - 3 Day Training Program
 - Prepare-Respond-Recover-Mitigate
 - Use of personnel generators
 - Emergency water connections
 - Structural assessments post disaster
- DRT Contact List



Disaster Preparedness Training

- Disaster Calls
 - Status and Scope of Storm
 - Field Update
 - Facility and Utility Briefing
 - Review of generator status
 - Emergency water tankers availability
 - Facility preparedness
 - Post storm facility assessment protocol and damage reports
 - Safety protocol when entering facility post storm
 - Patient Emergency Line Update
 - Central Admissions Office Update
 - Disaster Recovery tracker
 - CMS / Insurance Update



Disaster Preparedness Training

- Logistics
- Lab
- Telephone and Communications
- Finance
- HR
- IT Information Update
- Closing Remarks



Portable Emergency Generators:

- 70% of deaths related to power generators occur at home
- 170 CO poisoning deaths associated with portable generators
- Provide information sheet with each portable generator issuance
- Make sure generator is properly grounded
- Make sure extension cords used with generators are rated for load, and are free of cuts, worn insulation and have 3 pronged plugs
- Do Not overload the generator
- Never operate generator in enclosed or partially enclosed spaces
- Use a GFCI



Extension Cord Safety:

- Leading cause of electrical fires
- 3300 residential fires originate from extension cords each year, killing over 300 people
- Use only on temporary basis
- Make sure extension cords are properly rated for intended use
- Do Not run extension cords through walls, across doorways, ceiling or floors
- Ensure all extension cords are certified by national recognized testing laboratory



Gasoline Dispensing:

- When dispensing gasoline into a portable gasoline can, use only an approved container
- Always place container on ground and keep pump nozzle in contact with container when refueling to avoid a static electricity ignition of fuel vapors
- Containers should never be filled inside a vehicle, in the trunk, on the bed of pickup truck, a flat bed or on floor of a trailer
- Fill container no more than 95% full to allow for expansion
- Gasoline vapors are heavier than air and can travel along floor to an ignition source



Security Resources and Action Plans:

- Be aware of state laws regarding licenses for carrying firearms
- Ensure that the guards are properly bonded, licensed and insured



Relief From US DOT Federal Motor Carrier Safety Administration Regulations:

- For regional and local emergencies for limited duration
- Emergency decided by President of US, Governor of State or their authorized representatives having authority to declare emergencies or FMCSA Field Administrator (for parts 390-399)





Fresenius Disaster Response Vehicle DRV-1 Specifications

General Vehicle Specification:

2013 Chevrolet Tahoe LT 4X4

Seating for 5

(8 with optional third row installed)

Vortec 5.3L V8 SFI FlexFuel engine

Horsepower 320hp @ 5400 rpm

Torque 335 ft/lbs @ 4000 rpm

Trailer Ability: 8200lbs.



Additional Options:

- Heavy duty Iron Bull front bumper and brush guard with integrated 12,000lb warn winch (24,000 lb when used with snatch block) and two Sets of PIAA Off- road lights.
- Dual battery and integrated battery controller.
- Whelen Liberty light bar and 4 corner strobe lights.
- Havis center console equipped with:
 - Ham Radio
 - Citizen band radio
 - 9000 channel scanner
 - Lighting and dual battery controls



Fresenius Disaster Response Vehicle DRV-1 Specifications



- Inmarsat Broadband Global Addressable Network (BGAN) satellite system with phone, internet and wifi capabilities.
- Kenwood In-dash Garmin navigation system with Bluetooth hands free calling and integrated backup camera.
- 2 sets of Motorola “walkie talkie” radios.
- Fire Extinguisher
- Flashlight
- Front occupant laptop and laptop stand.
- Rear seat fold down desks.
- 1100 and 6000 watt DC to AC power inverters.
- First responder first aid kit.
- Dual rear cargo storage units stocked essential response supplies and equipment: (Meals Ready to Eat (MRE), Emergency Vests, Tool Kit, Extension cords, Water, etc...)



Applied Technology Counsel (ATC-20) Post Earthquake Safety Evaluation of Buildings

Instructor's Name: Bob Carey, Utah State Division of Emergency Management

Email Address: bcarey@utah.gov

Handouts to Participants:

- ATC Field Manual: Post Earthquake Safety Evaluation of Building
- 1 Page ATC-20 Fixed Equipment Checklist
- 3 Page Rapid Visual Screening of Buildings for Potential Seismic Hazards
- 2 Page ATC-20 Detailed Evaluation Safety Assessment Form
- 1 Page Card – Inspected and Lawful Occupancy Permitted
- 1 Page Earthquake Home Hazard Hunt
- 1 Page ATC-20 Rapid Evaluation Safety Assessment Form



Applied (ATC-20) Post Earthquake Safety Evaluation of Buildings

2 Meetings Held in 2015:

- October 21st – Ogden UT – 35 Attendees (Technical, Project Management, EHS, Maintenance & Facilities, Human Resources, Supply Chain Management)
Opened Training to Other Non Fresenius Personnel
- May 13th - Dallas TX – 71 Attendees

