

Appendix I: Working Draft Emergency Response Plan



Ball Hill Wind Project Emergency Response Plan

Report No: [TBD]

Issue No: [00]

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REV No: **00**

Emergency Response Plan

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Revision History

Revision #	Date	Nature of Revision
[00]	09/12/2016	Document first created.

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[This document shall be used as the basis for writing the site specific Emergency Response Plan. This document shall be amended and updated as necessary. All red text will must be removed before a workflow is started in order to have this plan approved and signed.]

1.0 INTRODUCTION

RES Americas Construction Inc. (RES) are constructing a 100.05 MW wind farm including a 5.7 mile 115-kV transmission line, for Ball Hill Wind Energy, LLC, a commercial business unit of RES Americas, Inc., which is located in the Towns of Villenova and Hanover, Chautauqua County, New York.

RES has developed this Emergency Response Plan for use during the construction phase of the project.

2.0 PROJECT DESCRIPTION

The Ball Hill Wind Energy Project will consist of 29 wind energy conversion systems (“WECS”) (23 of which will be located in Villenova and 6 of which will be located in Hanover). The Project will also include about 13.4 miles of gravel roads to provide access to the WECS as well as about 15.4 miles of buried electrical collection lines to bring the electricity generated by each WECS to a new collection substation, approximately 5.7 miles of 115kv overhead electric transmission circuit and a new interconnection substation, to be integrated into the power grid. The collection lines as proposed will be underground and, to the extent practicable, follow existing rights-of-way and roads (collectively, the "Project").

The Project will utilize Vestas V126 3.45MW wind energy conversion systems (the “V126 turbine”), on 87-meter towers. The V126 turbine is a three-bladed, upwind, horizontal-axis wind turbine with a rotor diameter of ±413 feet (126 meters). The blades will be approximately 79 feet (24 meters) from the ground at its nearest point. The nacelle is located at the top of each tower and contains the electrical generating equipment. The maximum height for the WECS is ±492 feet (150 meters) when a rotor blade is at the top of its rotation. Once installed, each wind turbine WECS will occupy a round, slightly exposed base approximately 18 feet (5.5 meters) in diameter.

3.0 PROCEDURE

3.1 Safety Related Incident/Emergency Notification Procedure

3.1.1 Asses the emergency

3.1.2 Notify emergency services and site safety

- a) If there is a potentially **LIFE THREATENING** injury or scenario, the first step is to call 911 directly.

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- b) Then contact the RES Safety Supervisor and Subcontractor/Owner Safety Representative by radio or cell phone depending on available services at site.
- c) If the injury or scenario is not life threatening, contact the nearest Supervisor, as well as the RES Safety Supervisor and Subcontractor/Owner Safety Representative by radio or cell phone depending on available services at site.

3.1.3 Describe the emergency scenario. Typically the categories below can be used:

- a) Incident type (e.g. fall, crush, vehicular accident, fire, electrical shock)
- b) Potential fatality
- c) Major illness (e.g., heart attack, not breathing, unconsciousness)
- d) Major injury (e.g., broken bone, loss of limb, severe cuts/bleeding)
- e) Minor injury (e.g., twisted ankle, foreign body in eyes, minor cuts)
- f) Bite/sting (e.g., snake, scorpion, wasp)
- g) Weather effect (e.g., heat or cold stress, lightning strike)

3.1.4 Identify location

- a) Provide the location of the emergency, by referring to the nearest structure or road junction.

3.1.5 Determine appropriate response

- a) Unless the injury is a **LIFE THREATENING** injury, the Supervisor, RES Safety Supervisor, and Subcontractor/Owner Safety Representative will determine the appropriate response, which may be:
 - (1) Arrange for a site First Aid Trained Employee to respond to the location of the injured.
 - (2) Arrange for transport of the injured to the site safety trailer for first aid administration, and further evaluation.
 - (3) Arrange for site transport to take the injured to a hospital or local medical clinic.
 - (4) Arrange for 911 services to respond directly to the injured employee.

3.1.6 Coordinate

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- a) Send an employee to the nearest site access point to meet the emergency responders and escort them to the location of the emergency.
- b) If offsite 911 responders are notified, the RES Safety Supervisor and Subcontractor/Owner Safety Representative will coordinate in directing the emergency services to the scene of the incident.

3.1.7 Accompany

- a) The First Aid Trained Employee, Supervisor, RES Safety Supervisor, and Subcontractor/Owner Safety Representative will continue to assist with the emergency scenario.
- b) If the decision is made to transport the employee directly to an offsite hospital or medical clinic (either by site transport or by 911 emergency responders), the employees' Supervisor, the RES Safety Supervisor (or designee), and the Subcontractor/Owner Safety Representative shall:
 - (1) Accompany the injured employee to the hospital.
 - (2) Stay with the injured employee until examination (including a drug and alcohol test) is complete, and the diagnosis is completed (so that a full report including the extent of the potential injuries can be made).
 - (3) Supervisors shall make known to the treating medical practitioners the employee's typical work duties, the availability of oversight for the employee's return to duty, and alternate duties available to the employee.

3.1.8 Notify Employer

- a) The employee's Supervisor shall notify the employee's employer and emergency contact.
- b) RES Safety shall notify RES Corporate HSQE and the RES Project Manager within established time frames.
- c) Subcontractor/Owner Safety Representative shall notify the Owner within established time frames.

3.2 Designated Medical Facility

- 3.2.1 RES has designated an **[Occupational Medicine facility/Urgent Care Clinic]** for nonemergency, occupational health related injuries and illnesses.

[Enter details on the designated medical facility for the project here - name, address, and phone number, upon confirmation with]

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3.2.2 If the clinic is not available when needed during early, late, or weekend work hours, the hospital identified below will be utilized:

[Enter details on the designated hospital for the project here - name, address, and phone number]

3.2.3 The Occupational Medicine facility shall be asked to consult on all injuries and illnesses with regard to determining the fitness of the individual with regard to a return to work. RES HSQE management will determine if any restrictions recommended by medical staff affects one or more of the employee's routine job functions.

3.2.4 The treating physician's diagnosis shall be the basis for initiating claims, unless the contractor has alternative arrangements for assessment of fitness for duty.

3.2.5 RES subcontractors shall log any alternate arrangements for medical treatment facilities with RES. This procedure is in the interests of both the employee (as it ensures they get the best treatment) and the employer (as they know that their employees are seen by a competent physician).

3.3 Damage Incident (No Injury)

3.3.1 NOTIFY SUPERVISOR

- a) Contact the nearest Supervisor or RES employee, preferably the RES Safety Supervisor, by radio or cell phone depending on the services available at the site.

3.3.2 DESCRIBE

- a) The nature of the damage.
- b) The location of the damage incident, by referring to the nearest structure or road junction.

3.3.3 STOP WORK

- a) Stop all work in an area of damage until RES Safety Supervisor arrives to investigate incident. Equipment and vehicle operators should stay in the vicinity of the vehicle.
- b) Any employee involved in an equipment or vehicle accident resulting in injury or damage to equipment/property shall submit to an immediate alcohol/drug test. Testing shall be coordinated by the RES Safety Supervisor.

3.4 Spill Response Procedure

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- 3.4.1 Immediately report any releases of hazardous materials to your Supervisor and the RES Environmental Supervisor **[TBD: Enter name and phone number]**.
- 3.4.2 The site Spill Prevention, Control, and Countermeasure (SPCC) plan shall be followed when a spill occurs on site that involves any oil products. Specific guidance for reporting the spill is contained in the SPCC plan.
- 3.4.3 In case of Spill to **Land**:
- a) Stop all work in vicinity of spill.
 - b) Identify the product - check container design, warning labels, markings, etc.
 - c) Prevent personnel from approaching the site and keep them at a distance sufficiently removed that they will not be injured by, or cause, a fire or explosion.
 - d) Install measures to contain the spill if it is safe to do so utilizing a spill kit as appropriate.
 - (1) A spill kit shall include: Poly containment pail, oil absorbent pads, oil absorbent socks, heavy duty disposal bags, nitrile gloves, all-purpose absorbent (such as sawdust or kitty litter), shovels, plugs and clamps (zip ties) to control a line break.
 - e) Wait for further instructions from responding personnel.
- 3.4.4 In case of Spill to **Water**:
- a) Stop all work in vicinity of spill.
 - b) Identify the product - check container design, warning labels, markings, etc.
 - c) Prevent personnel from approaching the site and keep them at a distance sufficiently removed that they will not be injured by, or cause, a fire or explosion.
 - d) Install measures to contain the spill if it is safe to do so.
 - e) Wait for further instructions from responding personnel.

3.5 Site Evacuation Procedure

- 3.5.1 Site-wide evacuations can be ordered by:
- a) The RES Project Manager, who may instruct ALL personnel to evacuate.
 - b) The Owner, who may instruct ALL personnel to evacuate.

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c) The Supervisors of individual contractors, who may instruct their own people to evacuate.

3.5.2 Evacuation of local work areas can be ordered by the Supervisor of the work, following notification to RES Safety consistent with the reporting process above.

3.5.3 Notification of a site-wide evacuation shall be by radio communication [or insert other preferred, project-specific methods, as determined].

3.5.4 When instructed to evacuate, all employees shall proceed in an orderly manner to the Muster Point.

[TBD: Insert specific process for site here. Identify primary and/or secondary Muster Points].

3.5.5 Once at the Muster Point, check in with your supervisor immediately. The RES site manager (or designee) will arrange a head count of all personnel. This will be done by the supervisors from each contractor caring out their own head count, and advising RES of the result.

3.5.6 Although it is not commonly needed during construction, employees that remain after an evacuation to shut down or maintain critical operations shall perform the necessary operations and evacuate as soon as possible. For instances where critical operations are being undertaken, a separate Emergency Response and Evacuation procedure shall be created and followed for these employees.

3.6 Fire Prevention Procedures

3.6.1 Notification

- a) All fires shall be immediately reported to the task Supervisor and the RES Safety Supervisor consistent with reporting process above.
- b) The RES Safety Supervisor shall coordinate the emergency response for the fire.

3.6.2 Specific Construction Site Fire Hazards

- a) Possible fire hazards and threats include grass fires due to lightning, failure of overhead lines, and construction-related accidents such as sparks from cutting operations and vehicular operation over dry vegetated areas.

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- b) [All fire hazards know to the project will be listed. If any changes to construction fire hazards occur, this plan SHALL be amended to include them. In addition to listing the possible or know fire hazards at the site, detail shall be given for proper handling of the hazard, potential ignition sources and their control measures, and the type of fire protection equipment necessary to control each of the hazards listed.]

3.6.3 Minimizing Fire Risk during Construction

In order to minimize fire risk, the following procedures will be implemented:

- a) Personnel Training - All site personnel shall be made aware of the dangers associated with fires and how to respond in case of a fire.
- b) No open fires - No exceptions.
- c) Hot Work - shall be conducted following issuance of a Hot Work Permit, conducted in accordance with approved procedures, and within de-vegetated areas only.
- d) Storage and use of flammable and combustibile materials will be in accordance with [RASWP 021 - Fire Prevention](#).
- e) Fire-breaks shall be a design feature:
 - (1) Each road will be considered a site fire break. The road shoulders shall (most likely) be returned to grassland on completion of the project.
 - (2) Each turbine location shall have an area of approximately 125 feet by 150 feet to allow the assembly of rotors and erection of the turbine without the need for vehicles to travel off-road. This area will be rolled flat with the majority of significant vegetation removed.
 - (3) Each turbine and transformer shall be left with a minimum 5-foot wide gravel path surrounding them.

3.6.4 Suppression of Fires during Construction

In order to suppress fires, the following measures will be implemented:

- a) Employees should attempt to extinguish a fire if possible, but never at risk to their personal safety or the safety of fellow employees.
- b) Portable Fire Extinguishers - Each site vehicle shall be equipped with an ABC rated fire extinguisher.

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- c) Each piece of construction equipment (yellow iron or similar) shall be equipped with, or have available during operation, an up-to-date ABC rated fire extinguisher.
- d) Any fire not immediately contained and/or suppressed shall require notification to the local fire department for support.
- e) Water availability - **[TBD: Enter details of water availability that can be utilized in a fire emergency - hydrants, an XXX gallon water truck, XXX gallon water tank on site, sources of site water.]**

3.7 Fire Prevention and Response Equipment Maintenance and Inspections

- 3.7.1 All installed fire prevention or fire response equipment shall receive monthly inspections (with records) and regular maintenance in accordance with OSHA requirements.
- 3.7.2 All RES personnel and subcontractors carrying fire extinguishers in their vehicles are responsible for conducting a monthly inspection of the extinguishers to ensure the equipment is in good working order and ready for use in a fire emergency.

4.0 SAFETY DATA SHEETS

4.1 Location and Posting

- 4.1.1 Each subcontractor shall maintain a listing of all materials that they are using which may be flammable or hazardous to health. Therefore, refer to each subcontractor for the most comprehensive and up-to-date listing together with the Safety Data Sheets (SDSs) for each chemical.
- 4.1.2 The location of the SDSs within each subcontractor's trailer or office shall be clearly posted at the project site entrance and in the RES Safety trailer.

5.0 SPECIFIC PROCEDURES FOR KNOWN SITE HAZARDS

[TBD: Additional; insert here any project specific hazards and the determined mitigation measure for the hazards - wildlife, poisonous vegetation. To be further developed prior to Project construction.]

5.1 Snake Bite Procedures

- 5.1.1 What to do if bitten by a venomous snake.
 - a) Allow the bite to bleed freely for 15-30 seconds.

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- b) Cleanse and rapidly disinfect the area with an iodine solution (if not allergic to iodine, fish, or shellfish), and remove clothing and jewelry from the body extremity where the bite occurred (pant legs, shirt sleeves, rings, etc.)
- c) If bite is on the hand, finger, foot, or toe - wrap the leg/arm rapidly with 3" to 6" of ACE or crepe bandage past the knee or elbow joint immobilizing it. Over-wrap bite marks. If possible, apply hard and direct pressure over bite using a 4" x 4" gauze pad folded in half twice to 1" x 1". Tape in place with adhesive tape. Soak gauze pad in Betadine™ solution if available and victim is not allergic to iodine, fish or shellfish.
- d) Strap gauze pad tightly in place with adhesive tape.
- e) Over-wrap dressing above, over, and below bite area with ACE or crepe bandage, but not too tight. Wrap ACE bandage as tight as one would for a sprain. Not too tight. Check for pulse above and below elastic wrap; if absent, the wrap is too tight. Unpin and loosen. If pulses are strong (normal), it may be too loose.
- f) Immobilize bitten extremity use splinting if available.
- g) If possible, try and keep bitten extremity at heart level or in a gravity-neutral position. Raising it above heart level can cause venom to travel into the body; below heart level can increase swelling.
- h) Evacuate to nearest hospital or medical facility as soon as possible.
- i) Try to identify the snake (ONLY if safe to do so). This is the least important thing you should do. Visual identification/description usually suffices, especially in the U.S. and in regions where the local fauna is known. Local symptoms will alert doctors to whether or not the bite is venomous.
- j) Bites to face, torso, or buttocks are more of a problem. ACE or crepe bandaging cannot in these areas. A pressure dressing made of a gauze pad may help to contain venom.

5.1.2 What to Communicate at the Hospital.

- a) Ask the staff to immediately contact their designated Poison Control Center.
- b) Ask the hospital staff to use physician consultants available through the nationwide Poison Control Network if necessary.

5.1.3 What **NOT** to do if bitten by a venomous snake.

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- a) Contrary to advice given elsewhere, do not permit removal of pressure dressings or ACE bandages until you are at the treatment facility and the physician is ready and able to administer anti-venom. When the dressings are released, the venom will spread causing the usual expected problems associated with a venomous snakebite.
- b) Do **not** eat or drink anything.
- c) Do **not** engage in strenuous physical activity.
- d) Do **not** apply oral/mouth suction to the bite.
- e) Do **not** cut into or incise bite marks with a blade.
- f) Do **not** drink any alcohol or use any medication.
- g) Do **not** apply hot or cold packs.
- h) Do **not** apply a narrow, constrictive tourniquet such as a belt, necktie, or cord.
- i) Do **not** use a stun gun or electric shock of any kind.
- j) Do **not** remove dressings/wraps until arrival at hospital and anti-venom is readily available.

6.0 PROJECT EMERGENCY SERVICES

6.1 Emergency Services for **Ball Hill Wind Project**

In case of Emergency (Fire/Police/Medical)	911
Forestville Volunteer Fire Department 18 Chestnut Street, Forestville, NY 14062	(716) 965-4106
Chautauqua County Sheriff 15 E Chautauqua Street, Mayville, NY 14757	(716) 753-4231
TLC Health Network 845 Irving Road, Irving, NY 14081	(716) 951-7000
Brooks Memorial Hospital 529 Central Avenue, Dunkirk, NY 14048	(716) 366-1111

7.0 RESCUE OPERATIONS

7.1 Rescue at Height

- 7.1.1 The WTG Erection Contractor shall provide trained and qualified staff authorized to perform Rescue at Height activities during WTG Erection. The following requirements shall be in place prior to the start of WTG

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Erection:

- a) Rescue at Height activities shall be conducted in accordance with [RASWP 002 - Work at Height](#).
- b) All Rescue at Height personnel shall be trained in the Ropeworks W110 (Safety at Height and Rescue) or equivalent.
- c) At least two (2) members of each WTG Erection crew shall hold current Rescue at Height training certifications (completed within the last calendar year, as of the start of WTG Erection).
- d) Staff trained in Rescue at Height shall have in their possession (at their work location, up tower, etc.) the appropriate rescue and first aid equipment at all times.
- e) All equipment used for Rescue at Height shall have a current and documented inspection (completed within the last six (6) months, as of the start of WTG Erection).
- f) The WTG Erection Contractor shall submit a Rescue at Height Plan to RES for review and approval at least two (2) weeks prior to the start of WTG Erection. The Rescue at Height Plan shall be approved for use prior to the start of WTG Erection.
- g) At least one rescue at height drill, based on the Rescue at Height Plan, shall be completed after the start of turbine erection but before the first tower is mechanically completed.
- h) If necessary, RES will contact the local Emergency Medical Services (EMS) to support a Rescue at Height.

7.1.2 Rescue operations are not to be undertaken under any circumstances by someone who is not trained and authorized. Below is a list of employees and their employers who have been trained and authorized to conduct rescue at height operations:

[Enter the details of all rescue at height trained / authorized employees on site including contact information. To be further developed prior to Project construction.]

8.0 APPENDICES *[To be further developed prior to Project Construction]*

Appendix 1 - Site Contact List

Appendix 2 - First Aid Qualified Personnel

Appendix 3 - Rescue at Height Trained Personnel

Appendix 4 - Concise Emergency Response Plan

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Appendix 5 - Radio Communications for Severe Weather & Lightning Alert Flier

Appendix 6 - Site Map

Appendix 7 - Occupational Health Clinic Map and Directions

Appendix 8 - Emergency Hospital Map and Directions

Appendix 9 - Tornado Shelter Map and Directions

Appendix 1 - Project Site Contacts

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(To be updated as construction progresses)

RES Americas

Title	Name	Cell
RES Site Office		(xxx) xxx-xxxx (office)
Project Manager	Name	(xxx) xxx-xxxx
Site Administrator	Name	
Construction Manager		
Electrical Manager		
Civil Manager		
Safety Supervisor		
Safety Supervisor		
Env. Supervisor		

Client/Owner

Title	Name	Cell
Site Office		(xxx) xxx-xxxx (office)
Title	Name	(xxx) xxx-xxxx
Title	Name	

Subcontractors

Title	Name	Company	Cell
Title	Name	xxxxxxx	(xxx) xxx-xxxx
Title	Name		

[Add additional RES, Owner, and subcontractor management as appropriate]

Appendix 2 - First Aid Qualified Personnel

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(To be updated as construction progresses)

RES Americas

Title	Name	Cell	Valid Through
Project Manager	Name	(xxx) xxx-xxxx	xx/xx/xx
Site Administrator	Name	(xxx) xxx-xxxx	xx/xx/xx
Construction Manager			
Electrical Manager			
Civil Manager			
Safety Supervisor			
Safety Supervisor			
Env. Supervisor			

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Appendix 3 - Rescue at Height Trained Personnel

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RES Americas

Title	Name	Cell	Valid Through
Project Manager	Name	(xxx) xxx-xxxx	xx/xx/xx
Site Administrator	Name	(xxx) xxx-xxxx	xx/xx/xx
Construction Manager			
Electrical Manager			
Civil Manager			
Safety Supervisor			
Safety Supervisor			
Env. Supervisor			

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Subcontractor

Title	Name	Cell	Valid Through
Title	Name	(xxx) xxx-xxxx	xx/xx/xx
Title	Name	(xxx) xxx-xxxx	xx/xx/xx

Appendix 4 - Concise Emergency Response Plan

Ball Hill Wind Project

How to Deal With an Emergency Situation

**** ALWAYS KNOW YOUR LOCATION ****
(Grid, road, compound, structure location, etc.)

With any emergency situation the best thing to do first is notify your immediate supervisor. If your supervisor is at another location on the site or is not on the project site, you must contact a RES site official immediately.

If a RES site official is not close to you and your location, you will need to contact the RES site office or a RES site manager via your cell phone or via the RES radio system. **If you are using the RES radio system:**

- **Make sure you are on Channel 2 or the designated RES talk around channel.**
- **Announce over the radio that you have an emergency announcement asking all other radio talk to stop immediately.**
- **Request that ALL site activity stop during the emergency response.**
- **Call out for a RES site official.**
- **When a RES site official answers on the radio, explain the emergency slowly and clearly.**
 - **Make sure the RES site official understands if the emergency is a Medical emergency, a Fire emergency, a Spill emergency, a Police emergency.**
 - **Make sure the RES site official understands the location of the emergency.**
 - **If you have determined that 911 should be called tell the RES site official to call 911.**

In case of INJURY or ILLNESS:

1. Follow the prescribed steps described above for notifying your supervisor and/or a RES site official making sure you communicate your location and a brief description of the medical emergency.
2. If you determine the emergency is a 911 event, tell your supervisor or the RES site official to activate the 911 system.
3. If you determine the injured or ill person needs additional First Aid assistance, tell your supervisor or the RES site official you need additional First Aid assistance.
4. Make sure the injured or ill person is being monitored and taken care of. Remember, never move an injured or ill person more than you have to in order to protect them from further injury.
5. Secure the immediate job site area if possible, shutting down all equipment and work. Remember to inform your immediate supervisor or RES site official if you need assistance securing the job site area.
6. A RES site official will dispatch personnel to assist with First Aid.
7. A RES site official will dispatch personnel to assigned points on the public and/or private roadways to help direct emergency personnel to the emergency location.
8. If it appears the injured or ill person is experiencing a heart attack, a RES site official will dispatch an AED to the emergency location.
9. If the injured or ill person is a snake bite victim, try to identify the type of snake involved. If the snake has been killed, carefully secure the snake in a manner for transport to the hospital for identification by medical personnel.
10. The supervisor of the injured or ill employee should accompany the employee to the hospital. If the employee is a subcontractor's employee a RES site official will be dispatched to the hospital.

In case of FIRE:

1. Follow the prescribed steps described above for notifying your supervisor and/or a RES site official making sure you communicate your location and a brief description of the fire emergency.
2. If you determine the emergency is a 911 event, tell your supervisor or the RES site official to activate the 911 system.
3. Immediately clear the area of all personnel and, if possible, vehicles and flammables. If you are trained in fire safety, and the fire is small, attempt to put the fire out with an extinguisher. **DO NOT PUT YOURSELF AT RISK.**
4. Await the arrival of the fire department.

In case of SEVERE or EXTREME WEATHER:

1. If a severe weather emergency occurs at your work location and you have not received an official site notification either verbally, via cell phone, or via the RES Radio System, follow the prescribed steps described above for notifying your supervisor and/or a RES site official.
2. If you receive an official site notification either verbally, via cell phone, or via the RES Radio System follow the instruction associated with the notification.
3. In the event you are caught in an open area during a lightning strike event, get into the nearest rubber-tired vehicle or grounded trailer/structure (e.g., O&M building, site office trailer).
4. If you take shelter in a rubber-tired vehicle, do not use the vehicle's electronic devices such as the radio.

In case of SPILL to LAND or WATER:

1. Follow the prescribed steps described above for notifying your supervisor and/or a RES site official making sure you communicate your location and a brief description of the spill emergency.
2. Stop all operations.
3. Identify the product.
4. Prevent personnel from approaching the site.
5. Install measures to contain the spill if it is safe to do so.
6. Wait for further instructions from responding personnel.

In any emergency situation, keep calm and don't panic. Give clear and direct information and directions.

Appendix 5 - Radio Communications for Severe Weather & Lightning Alert Flier

Ball Hill Wind Project

Items in red are information only and not to be read over radio. Update for miles vs km, site shutdown distance.

****50 Mile Weather Advisory****

Attention All Site:

We are currently under a condition **YELLOW**. At this time preparations should be made to allow an immediate shut down of main crane and up tower operations should the lightning get within our 30 mile radius. Again we are currently under a condition **YELLOW** for lightning within 50 miles. **Repeat 3 times over a 2 or 3 minute period when lightening is within 50 miles of site. Work will continue during an advisory. Preparations should be made to stop work if storm continues towards site.**

****30 Mile Weather Caution****

Attention All Site:

We are currently under a condition **ORANGE** for lightning within 30 miles of the site. All main crane lifting and tower climbing activities must cease and personnel should immediately evacuate the towers and cranes and shall maintain a 100' clearance from the cranes/towers. All other ground operations may continue provided 100' clearance from the towers/cranes is being observed. Again we are currently under a condition **ORANGE** for lightning with 30 miles. **Repeat 3 times over a 2 or 3 minute period when lightning is within 30 miles of site. All Main Crane and Tower work is to cease immediately. [Remove tower references if this does not apply]**

****10 Mile Weather Warning or if Thunder is Heard****

Attention All Site:

We are currently under a condition **RED** for lightning within 10 miles of the site. All site personnel must IMMEDIATELY cease their operations and seek shelter in any rubber tired vehicle/piece of equipment or the nearest safe building (e.g., O&M building, Substation Control Building, site office trailers). Again we are under a condition **RED** for lightning within 10 miles. **Repeat 3 times over a 2 or 3 minute period when lightning is within 10 miles of site or if Thunder is heard. ALL site operations are to cease immediately and personnel should seek shelter.**

****Lightning All Clear****

Attention All Site:

We are currently under a condition (**ORANGE** or **YELLOW** or **GREEN**). No lightning has been observed within (10 or 30 or 50) miles of the site in the last 30 minutes.

10 Mile All Clear, but lightning still within 30 Miles. We are currently under a Condition **ORANGE**. Ground operation crews may return to work but must observe 100' clearance from towers and main cranes. Again we are currently under condition **ORANGE**. **[Remove tower references if this does not apply]**

30 Mile All Clear, but lightning still within 50 Miles. We are currently under a condition **YELLOW**. All site crews may return to work but maintain awareness because lightning is still within 50 Miles of the site.

50 Mile All Clear, - We are currently under a condition **GREEN**. There has been no lightning within 50 miles in the last 30 minutes. All crews may return to their normal work duties.

Repeat the specific all clear announcement (10, 30, 50 mile) 3 times over a 2 or 3 minute period once the RES Project Office gets confirmation of all clear. An all clear will be announced once no strikes have been reported in the 10, 30, and 50 mile radius for 30 minutes.

****Only the Project Manager has the authority to extend the time period before declaring an "ALL CLEAR" notice.**

Lightning Alert Flier
Ball Hill Wind Project

[Insert lightning bullseye figure here, appropriate for project - miles, km)

Appendix 6 - Site Map

Ball Hill Wind Project

[Insert Site Map which includes Muster Point]

Appendix 7 - Occupational Health Clinic Map and Directions

Ball Hill Wind Project

[TBD: Insert Clinic Map and Directions]

Appendix 8 - Emergency Hospital Map and Directions

Ball Hill Wind Project

[Insert Hospital Map and Directions]

Appendix 9 - Tornado Shelter Map and Directions

Ball Hill Wind Project

[Insert Tornado Shelter Map and Directions]