

JAGUAR ENERGY SERVICES, LLC 310 N Parkerson Ave Crowley, LA 70526 Original Date of Implementation: October 2013 New Effective Date: Reviewed By: Jared Monk	Storm Procedures Plan Revision Date: Page 1 of 8 Date: 01/10/2022
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SECTION 27.0 STORM PROCEDURES COLD AND HOT WEATHER OPERATIONS

A. Purpose

The purpose of this procedure is to provide guidance to **JAGUAR ENERGY SERVICES, LLC** personnel who may encounter adverse working conditions due to storms, cold and hot weather, and/or who may work around equipment or piping that is operated at extreme temperatures.

B. Scope

This procedure applies to **JAGUAR ENERGY SERVICES, LLC** personnel who work in regions subject to storms, hot temperatures, and cold temperatures.

1. This program addresses:
 - (a) Storm procedures
 - (b) Hazards associated with working in cold and hot weather
 - (c) Signs and symptoms of temperature related illnesses
 - (d) Precautions and protective equipment that can be utilized to prevent injury or illness.
2. This procedure also applies to employees who work in environments with extreme temperatures due to working on or near hot or cold equipment or piping.

C. Responsibilities

1. The Safety Coordinator or his/her designee is responsible for ensuring that employees have completed the training required by this procedure.
 - (a) Additional responsibilities include:
 - (i) The implementation of this Policy.
 - (ii) Take corrective actions on all violations or suspected violations of this procedure.
 - (iii) Documentation of completion by each employee.
 - (iv) Will have the final decision to suspend operations due to a storm.

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- (v) However, prior to this final decision, operations can be suspended by the customer.

2. The Supervisor is responsible for providing assistance in the implementation of this policy.
3. **JAGUAR ENERGY SERVICES, LLC** personnel are responsible for recognizing and anticipating all job hazards including situations that involve exposure to storms, extreme temperatures, or equipment, or piping operating at extreme temperatures.
 - (a) Additional responsibilities include:
 - (i) Recognizing the early warning signs of temperature related illnesses and implementing appropriate first aid procedures.
 - (ii) Reporting all incidents involving potential exposures to extreme temperatures, and any injury resulting from contact with equipment or piping operated at extreme temperatures.

D. Procedure

1. Severe storms are always a potential danger to field operations. In the Gulf Coast Area and other offshore locations, most storms are seasonable and their intensities predictable.
 - (a) However, sudden freak storms are always a possibility.
2. **Emergency Procedures for Tornadoes**
 - (a) Tornadoes are characterized by their long funnel- shaped clouds.
 - (b) Tornadoes are the most intense and destructive storms in the world.
 - (c) The Safety Coordinator will know the counties or parishes in which their operations are located.
 - (d) The Safety Coordinator will:
 - (i) Determine the types of places to seek shelter in at different types of facilities.
 - (ii) Determine what areas of the facility are safe and not safe from possible debris and overhead objects that could possibly cause injury to personnel.
 - (e) Periodically have drills to practice going to designated areas in the work locations.
 - (f) Have emergency supplies on hand.

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- (g) Have each work group make an inventory of all possessions in their area.
 - (i) Keep these records in a safe place where damage will be minimal.

3. **Tornado Procedures**

- (a) When inclement weather approaches the area, management will listen for and adhere to any weather warnings that may be issued by Federal, State, County, City, or Civil Authorities.
- (b) In the event of a tornado approaching the area, all employees will be advised to prepare for a tornado.
- (c) The Safety Coordinator will call for the evacuation of work locations if it is deemed necessary.
 - (i) If an evacuation is ordered, the same audible alarm used to evacuate during a fire will be used.
- (d) If an evacuation of the work locations is ordered, all employees will calmly, in an orderly manner, walk to the pre-assigned area.
- (e) If there is not time to evacuate the facility all employees will go directly to a safe area and get down on the floor.
 - (i) Route Maps are posted in each work area.
- (f) Client supervisors will check their work areas to ensure all employees have left and gone to the safety area.
 - (i) As soon as practical, our senior **JAGUAR ENERGY SERVICES, LLC** person at the location will account for **JAGUAR ENERGY SERVICES, LLC** employees and report to the Safety Coordinator with the status of all personnel.
- (g) When the Client or the Safety Coordinator declares the emergency over, employees will resume work as directed by the Client.
- (h) Be alert for approaching storms.
 - (i) If you see any revolving funnel shaped clouds, report them to the Client and Safety Coordinator and they will make a general announcement of a tornado in the area.
 - (ii) Go to their designated safety area immediately.
 - (iii) Stay away from windows, doors, and outside walls.

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4. **After a tornado the Safety Coordinator will:**
 - (a) Notify all personnel that all is clear.
 - (b) Look out for broken glass and downed power lines or electrical equipment.
 - (c) Check for injuries of personnel in the facility and grounds.
 - (d) Use great caution when entering a damaged building or structure.

5. **Emergency Procedures for Hurricanes**
Hurricanes are tropical cyclones with torrential rains and sustained winds of 74 miles per hour or greater which blow in a counterclockwise direction and have a center "eye."

6. In the event of a hurricane the Safety Coordinator will:
 - (a) Advise when to evacuate. Do so immediately.
 - (b) Due to the advance warnings of a hurricane, all Field Service Personnel will evacuate and leave work site preparations to the Client
 - (c) At the home office, **JAGUAR ENERGY SERVICES, LLC** will close for business as advised by National, State, County, City, or Civil Authorities and all employees will be dismissed.
 - (d) All employees will help prepare the facility for shutdown, as defined by the Safety Coordinator.
 - (e) As soon as practical after the emergency is over, employees will contact **JAGUAR ENERGY SERVICES, LLC** and advise their supervisor of their personal status.
 - (f) Safety Coordinator will advise the employee when to return to work.

7. **Emergency Procedures for Floods**
It is highly unlikely that most facilities would be impacted by a flood due to the advance warnings of heavy rain in the area and the proper elevation of the facility.
 - (a) The client will determine when to close for business, as advised by National, State, County, City, or Civil Authorities.
 - (b) All **JAGUAR ENERGY SERVICES, LLC** employees will leave the work site.
 - (c) The Client's employees will prepare the facility for shutdown, as directed by their management.
 - (d) As soon as practical after the emergency is over, all employees will contact **JAGUAR ENERGY SERVICES, LLC** and advise management of their personal status.

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- (e) The Safety Coordinator will advise the employee when to return to work.

- 8. The following guidelines are to be followed in the event of severe weather conditions offshore:
 - (a) All available weather forecasts shall be continually monitored and activities coordinated with the client.
 - (b) **JAGUAR ENERGY SERVICES, LLC** personnel shall be ready to secure their respective equipment and leave the field upon notice from the field supervisor.

- 9. In all cases the client's storm plan will be used, however at a minimum seventy-two to fifty-four hours prior to the projected arrival of a severe storm the following should be initiated:
 - (a) Alert every project, both **JAGUAR ENERGY SERVICES, LLC** and client.
 - (b) Store or tie down all equipment that might be washed overboard or damage facilities, etc., if not secure.
 - (c) Check fuel, batteries, and operation of emergency equipment.
 - (d) Continue present operations, etc., but keep the fact in mind that a cessation of activities may be imminent.
 - (e) Keep close track of storm by all available means.

- 10. Once operations have been suspended, the following minimum steps should be taken:
 - (a) Alert every project, both **JAGUAR ENERGY SERVICES, LLC** and client.
 - (b) Shut down all operations.
 - (c) Secure the doors on all buildings.
 - (d) Send all personnel to the beach or to a safe place.
 - (e) Return to the work location and resume work, when the storm has passed and is predicted to be over.

- 11. Unfavorable weather conditions and work environments with extreme temperatures can influence the health, function, and work capacity of Field Service Personnel.
 - (a) Field employees must be able to identify the hazards caused by working in or near extreme temperatures and take proper precautions.
 - (b) Field employees must also be able to recognize injuries and illnesses related to hot and cold working conditions and take appropriate actions.

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12. **Thermal Stress**
Working in excessively hot or cold environments places thermal stress on the body.
 - (a) Three factors influence the degree of thermal stress:
 - (i) Climatic conditions of the environment
 - (ii) Workload
 - (iii) Clothing
 - (b) Each of these factors must be assessed in order to recognize situations that can cause thermal stress and to ensure that proper preventive measures are implemented.
 - (c) **High Temperature Conditions**
Factors to consider when working under high temperature conditions include:
 - (i) Most people can tolerate very high air temperatures for short periods of time.
 - (ii) Work pace and work load distribution.
 - (iii) Work break frequency.
 - (d) **Personal Protective Equipment**
 - (i) Wear sun glasses, especially on bright days.
 - (i) Cloudy days can be deceptive and can be as dangerous to the eyes as bright sunshine.
 - (ii) If glasses are lost or broken improvise a substitute by cutting inch long slits through a scrap of wood or cardboard.
 - (ii) Cover the head when outdoors.
 - (i) When working outdoors in areas that do not require hard hats, use a cap or hat to shade the head, face, and neck areas.
 - (iii) Use sun screen for additional protection of neck, face and ears.
13. **Driving and Traveling in Hot Regions**
If your vehicle becomes disabled, stay with the vehicle.
 - (a) Another traveler should come by before you can walk for help.
 - (b) If you do leave your vehicle for any reason, leave a note on the dash and on the windshield stating where you are going, and be sure to include the date and time you leave and your destination.

14. **Cold Temperature Operations**

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Working in cold weather regions presents special problems.

- (a) The most dangerous is the effect of extended exposure to low temperatures.
- (b) To prevent cold stress consider clothing insulation, increasing activity and seeking warm locations.
- (c) Insulation is improved by layering clothes.
 - (i) Layering of clothing will also allow the employee to add or remove layers as needed during the day.
 - (ii) Only 100% cotton is permitted to be worn under Nomex.
 - (iii) The insulating value of clothing is diminished by moisture.
 - (iv) Sweat should be allowed to evaporate through the clothing, so that it does not accumulate on the clothing.
 - (v) Wet clothing should be replaced as soon as possible.
- (d) **Wind-chill Factor**
 - (i) Two factors that influence the rate of heat exchange between a person and their environment is air temperature and air speed.
 - (i) The wind-chill factor accounts for both of these factors.
- (e) **Cold Related Illnesses**
 - (i) **Frostbite.**
 - (i) Frostbite occurs when extremities do not receive sufficient heat from the central body due to restricted blood circulation or inadequate insulation.
- (f) **Hypothermia**
 - (i) Hypothermia occurs from exposure to temperatures above freezing in instances such as immersion in cold water, exposure to wind (wind-chill), physical exhaustion, and insufficient food or water.
 - (ii) **Personal Protective Equipment**
 - (i) Dress in layers to improve insulation.
 - (ii) Avoid overheating, remove layers as needed.
 - (iii) Wear gloves and cotton socks.
 - (iv) Change wet clothing.
 - (v) Wear a hat.
 - (vi) Wear sunglasses on bright days when the ground is covered with snow.

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15. **Driving and Traveling in Cold Regions**

If your vehicle becomes disabled or stuck in a snow drift, stay with the vehicle.

- (a) Another traveler should come by before you can walk for help.
- (b) If you do leave your vehicle for any reason, leave a note on the dash and on the windshield stating where you are going, and be sure to include the date and time you leave and your destination.

E. Training Requirements

- 1. **JAGUAR ENERGY SERVICES, LLC** personnel will be trained on the following topics:
 - (a) Storm procedures.
 - (b) Methods for reducing risk factors for temperature related disorders.
 - (c) Methods for controlling temperature related incidents.
 - (d) Recognizing symptoms for temperature related disorders.
 - (e) Vehicle safety for extreme temperatures.
 - (f) Contents of this procedure.

F. Training Frequency

- 1. **JAGUAR ENERGY SERVICES, LLC** personnel will be trained according to the following schedule:
 - (a) Initially upon hire.
 - (b) As necessary thereafter.