Engie North America Inc

WIND PROJECT ERP PROCEDURES MANUAL

Dakota Range III Wind Farm, Summit SD

Emergency Response Plan

Emergency Response Plan

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1.0 Introduction

The Emergency Response Plan primarily deals with what action needs to be taken in the event that an incident occurs, it does not deal with the issues and details of a formal Health & Safety Plan. It is based on the assumption that all contractors and subcontractors working on the site, like Engie North America Inc, have their own Health & Safety Plan and their staff are trained and experienced in the daily implementation of that Plan and the procedures and recommendations that it provides. As part of Engie due diligence when appointing its own subcontractors, such Health & Safety Plans and the subcontractors' Safety Records are reviewed.

A copy of this Emergency Response Plan will be provided to the local emergency services to apprise them of the construction of this facility and to enable them to formulate their own response plan. The local emergency services will be invited to visit and make their own assessment of the site and to suggest any improvements and additions to this plan.

This document will form part of the site safety induction for all site personnel, prior to issuance of the Site Safety Passport which is given to all site workers to evidence their bona fide presence on site and that they have been through a formal site induction.

An overall map of the site showing where emergency response equipment will be stored for the duration of construction will be developed after meetings and input from emergency providers and contractors. This map will be submitted to emergency responders prior to site preparation. This map will also show the location(s) of gated/locked entrances.

2.0 Project Description

Maps showing the overall site layout and site location are included at the end of this plan.

3.0 Emergency Information

3.1 Notification Procedure

All emergency situations should immediately be reported.

The following 7-step Emergency Notification Procedure should be used:

1) Notify 911 Immediately
   Give the site name, address and directions to the operator, as well as describe the emergency.

2) Describe the type of emergency situation. Typically the categories include:
   - Medical Emergency
   - Fire
   - Construction Emergency

- Equipment Failure – Specify
- Hazardous Spillage - Specify
- Turbine Structural Failure – Specify
- Power Failure

- Extreme Weather Conditions
  - Thunderstorm/ Electrical Storm
  - Extreme High Winds
  - Severe Hail
  - Snow/Ice Storm
- Transport Incident
  - Passenger Vehicle
  - Heavy Hauler
  - Heavy Plant
  - Aircraft Impact
- Extreme Site Conditions
  - Flood
  - Earthquake
  - Volcanic Eruption
- Act of Sabotage/Vandalism
  - Act of Terrorist
  - Bomb Threat

When describing personnel involved, indicate the numbers affected and the following initial assessment:

a) Fatality
b) Major Illness (heart attack, not breathing, unconscious, etc.)
c) Major Injury (broken bone, loss of limb, severe cuts/bleeding, etc.)
d) Minor Injury (twisted ankle, foreign body in eyes, minor cuts, etc.)
e) Bite/Sting (snake, scorpion, etc.)
f) Weather Effect (effects of heat, sun, cold, wind chill, lightning strike, etc.)
g) Incident Type (fall, crush, vehicle crash, fire, electric shock, etc.)

3) <u>Location</u>

Give the operator the location of the emergency, by referring to the nearest turbine, structure or road junction and whether casualties are in the open, trapped in a vehicle or site equipment, or at height within a turbine.

4) <u>Notify Plant Manager</u>

Site staff will contact a Engie North America Inc Plant Manager (see list) who will assist at the location of the emergency. Jointly, the Managers

will arrange for a trained first aider to attend the scene of the emergency, if required. The names of all first aiders should be made available to all the site Managers – first aiders should be identified by a black sticker on their hard hat.

5) Coordinate

The Manager(s)/Plant Manager will send an employee to the nearest site access point to meet the emergency services, and escort them to the location of the emergency. The gate guard should also be informed to assist in directing the emergency services to the scene of the incident.

If Air Evac services are required, a designated helicopter landing area has been located

6) Accompany

The Manager(s) will continue to assist with the situation on site, and one of the Managers will accompany any injured personnel to the hospital. He will stay until examination (including a drug & alcohol test) is complete, so that a full report including the extent of the injuries can be made. The employer can later require the injured to make an appointment to see the Company Doctor if confirmation of the extent or nature of injuries, treatment or disability is required.

3.2 Site Evacuation Procedure

1) Personnel empowered to order evacuation/shutdown of the site are:
   - Managers of individual contractors, who may instruct their own people to evacuate
   - Engie North America Inc Managers, who may instruct ALL personnel to evacuate
   - Site Managers, who may instruct ALL personnel to evacuate
2) When instructed, evacuate site via nearest access to public road, and assemble at a designated location.
3) In case of fire, try to remain upwind of it.
4) The Engie North America Inc site manager (or designated person) will

arrange a head count of all personnel. This will be done by the Managers from each contractor carrying out their own headcount and advising Engie North America Inc of the result. Managers from each contractor will be responsible for maintaining an accurate record of which personnel are onsite each day, in order to be able to identify which personnel are missing in the case of an emergency evacuation. Further, a sign-in/sign-out procedure will be implemented at the entrance.

3.3 Natural Disasters or Acts of Terrorism Without Warning.

Natural disasters like earthquake, volcanic eruption and flash flood will almost certainly occur without warning. In such cases it is important that the site be evacuated with all possible haste. All site personnel should move away from the location of the event and get to a safe distance and location. It is essential that you remain calm and do not panic. Once you are safe, you should contact Emergency Services and your site Manager or company headquarters to enable a roll call and for authorities to establish numbers of survivors and assess those who are not accounted for.

Acts of terrorism, by their nature, frequently come without warning and should be treated in the same manner as natural disasters.

The radio (PMR) will be the source of information/communication and site personnel should tune into a news station until such time as the all clear is announced and they can either safely return to the site or their home.

All personnel should remain at a safe location until the Plant Manager contacts you to confirm it is safe to return to site.

3.4 Pandemic Response Plan

It is important to prevent and mitigate the chance of business interruption due to a pandemic. Once a pandemic occurs follow the Engie Business Continuity Plan. This is a site specific plan to prevent the spread of the pandemic on site. This includes the mitigation of the Covid-19 Corona virus

1. As directed by corporate per threat.
    a. When a crisis arises we will evaluate the hazards at that time with plant operations in mind.
    b. How contagious is it.
    c. Severity of health risk.
    d. Duration of sickness per person.
    e. How it is spread.
    f. Do we need to separate personnel. (work at home, work at different time, etc.)

2. All staff at Dakota Range III are essential to the facility production. We will provide the following to mitigate the chance of catching the virus or illness
    a. Hand sanitizer and bleach wipes will be provided in several locations in the plant.

b. All employees and contractors have been notified to stay at home if they are feeling sick and respect a two week self quarantine.
c. Discussions in daily safety meetings on the mitigation of the virus
d. All safety and morning meetings will be held in the O&M shop area in order to provide space between employees.
e. Proper hygiene will be reinforced i.e. hand washing, coughing into elbow, and limiting exposure.
f. Technicians work in pairs. The assigned pairs will not be mixed to prevent the passage the virus or illness to other crews
g. Site visitors and visiting technicians will not be allowed on site unless necessary to the operation of the facility.
h. Site staff will not utilize other technicians' equipment such as computers, I pads, phones, pens or tools without cleaning.
i. Doors and commonly touched items will be cleaned daily with bleach wipes and disinfectant spray.
j. Clean and disinfect breakroom.
k. Clean before you touch. Clean after you touch.

3. Staffing Requirements

a. Engie staff: 1 Technician and 1 Manager to rotate on calls to the plant.
b. Nordex: 5 technicians, 1 lead, and 1 Manager to assign work.
c. Technicians work in pairs. The assigned pairs will not be mixed to prevent the passage the virus or illness to other crews.
d. All site work that is not necessary will be evaluated prior to scheduling.
e. Site visitors and visiting technicians will not be allowed on site unless necessary to the operation of the facility.
f. Performing critical tasks (such as items to keep the plant operating) Crews will maintain turbine running status.
g. Engie staff: 1 Technician and 1 manager to rotate on calls to the plant.
h. Nordex: 5 technicians, 1 lead, and 1 Manager to assign work.
i. We have the means at our facility for extended stays if necessary. (food, showers, and cots etc.)

4. Spare Parts.

a. At this time we do not wish to engage with other industry participants due to the risk of contamination.

b. Due to plant differences (engineered, controls, physical differences), safety is a primary concern. Each plant may have minor to major differences from one plant to another.

5. Supply Chain

a. Dakota Range III has a complement of spares to include turbine and BOP spares available. The site has a list of spare parts we keep in stock for our plant. We may re-evaluate our spares in the future to see if we may need additional spares added to our list.

b. For repairs that are beyond our staff's capabilities (proper tools, training, etc) we have chosen contractors that will be able to assist us if needed.

c. Deliveries should be accepted, after the interaction wash hands and utilize hand sanitizer.

d. When available meet the driver outside.

3.5 Fire Prevention Procedures

A separate Fire Prevention & Mitigation Plan has been developed for this project, in view of the fire risk posed by the natural vegetation and climate.

3.6 Severe Weather Conditions

Severe weather conditions, particularly gusting high wind speed and electrical storms, have a pronounced effect on the maintenance and any emergency medical response to any on site turbines. Records will be kept of prevailing weather conditions on a daily basis and periodically throughout the day weather forecast updates will be reviewed and assessed to ensure the safe continuity of work, while ensuring that weather sensitive activity is only commenced on the understanding that existing or imminent weather conditions will not exceed the risk assessed for that activity. In any event, due diligence should be proactive with routine observation by all concerned about obvious local changing atmospheric conditions that could indicate deteriorating weather conditions.

Engie North America Inc will stop all maintenance operations at 20m/s in accordance to 29 CFR 1910.27 (b) (2) (X) for all on site turbines. Engie North America will specify maximum wind speeds that are allowed for:

- Hub Entry
- Working at height inside a turbine.
- Working on a suspended platform

In addition, heavy lifting cranes have specific limitations with respect to positioning, rigging, and lifting components that will change with the dimensions of the component, the location, ground conditions, weather conditions and wind speeds.

Engie North America Inc recommendations and the crane limitations need to be considered for each stage of maintenance to balance the risk inherent in each operation.

With regard to atmospheric electrical activity, tall metal structures like wind turbines and heavy lifting cranes are prone to attract such activity until such time as suitable grounding is in place. In the event of local electrical storms or thunderstorms, all turbine locations should be evacuated and site personnel seek safety in the cab of their vehicle at least 180 ft from the turbine location until 30 minutes strike after the last known lightning strike within 30-mile radius or until such time as the storm has passed or abated.

3.7 Plan Holders

This plan will be held both in the Engie North America Inc O&M and by each of the on-site staff and contractors. In addition, copies shall be sent to the respective emergency services. The Concise Emergency Plan at the end of this document shall be held in each work truck, and also one placed in each turbine tower. This will be provided, together with a site layout map and site location map, in a laminated format.

A poster summarizing this information will be prominently displayed on the site.

4.0 Emergency Within A Turbine

In the event that an incident occurs at height within a turbine, Emergency Services should be called and all on site specialist recovery equipment and techniques to enable injured personnel to be removed to safety from site. Engie North America Inc will have available, on site, such equipment and trained personnel to action such a recovery.

Emergency response equipment will be stored in the Engie North Americas Inc site O & M and shall be transported to the appropriate turbine in the case of an emergency incident.

5.0 In Case of Spillage

A separate spill prevention, control and countermeasures plan (SPCC) has been developed to address those issues in detail. Please refer to that plan for more detailed instructions regarding spill prevention and response. please review **Doc; (SPCC) Spill control and counter measure plan.**

In the event of a spillage of a hazardous or potentially hazardous substance: Initiate the oil spillage procedure after checking:

- Type of oil or hazardous substance involved
- Estimated quantity of spillage
- Fire Risk
- SDS recommendations and considerations

Inform the closest site Manager and organize delivery to the location of the site emergency spill kit.

Should the spill be too extensive to be resolved using the available spill kit, then the spill should be contained as far as is practicable and the nearest Hazmat specialist contacted to resolve the situation.

The spill should be reported to the National Response Center and the

State: **National Response Center: 1-800-424-8802**

The following information will be required when reporting the incident:

- Clearly identify the location of the spill
- What substance is involved
- Approximate quantity spilled
- Approximate concentration of the spilled material, if appropriate
- Identify the source of the spill
- Identify who is cleaning the spill
- Identify any resources damaged, if applicable
- Provide contact information

Location of Safety Data Sheets for Hazardous Materials

Each subcontractor is required to maintain listings of all materials that they are using which may be flammable or hazardous to health in accordance to OSHA 1910.39-C and will provide a copy, updated as appropriate to the Engie North America Inc site office. The location of these files within each subcontractor's trailer or office, and the Engie North America Inc site office, should be highlighted and clearly visible.

6.0 Aircraft Impact

The site FAA Lighting Design complies with existing regulations and requirements, which will be fully operational as soon as each electrical circuit is energized. To minimize the risk of collision by low flying aircraft during the any operational times, fully erected turbines that have not been energized will be marked with a suitable self-powered obstruction light until such time as that circuit is energized.

In the unlikely event that such a collision occurs, the Emergency Response Plan will be brought into effect to mobilize the appropriate on-site Emergency Response Team and Emergency Services.

7.0 Acts of Sabotage, Terrorism & Bomb Threats

With the advent of potentially increased levels of terrorist activity on mainland USA, it has become essential that all companies consider the implications to the health and safety of their staff should a terrorist attack occur in the workplace. The primary concerns are threatened bombing attacks and the potential for chemical or biological attack.

In the event that an act of terrorism comes without prior warning, or in the case that an incident is subsequently found to be caused by vandalism or sabotage, the Emergency Response Plan will be brought into effect to mobilize the appropriate emergency services.

7.1 Bomb Threat Procedure

In the event that a bomb threat call is received**,** the main objective is to record every word of the threat message accurately and obtain as much information as possible from the caller. To this end, the following questions should be asked:

- When will the bomb go off?
- Where is the bomb?
- What type of bomb is it?
- What does it look like?
- When was it put there?
- Why are you doing this?
- Who are you?

While talking to the person, try to determine:

- The sex of the caller
- The style of speech
- The accent and mannerisms of the caller
- Listen for background noises that could be helpful to an

investigator After receiving the call, the recipient will then:

- Contact the Site Manager
- Or Dial 911and inform the County

Site Management should:

- Make sure the County Sheriff's Office has been informed.
- Ensure immediate evacuation of the area of the bombs supposed location, and the surrounding areas.
- Prepare to implement the Evacuation Procedure.
- Prepare relevant documentation to assist in assessing the situation with police and authorities – information such as the number of persons at each site location, site maps, plans of related buildings and equipment, etc.
- Coordinate and supply support to the County Sheriff's Office as requested.

Whether the threat is received in writing or in person, the same procedure should be followed as far as possible.

A procedural check list shall be maintained and readily available, incorporating the above elements.

7.2 Chemical and Biological Threat

It is difficult to have a contingency plan that takes into consideration all the possibilities that avoid the consequences of a Chemical or Biological attack, however, should a warning or threat be issued, the identical procedure should be

applied as that used for a Bomb Threat. Leaving the area is even more imperative. Keeping your body covered as far as possible to avoid any skin contact with the threatened substance is a priority. Covering the nose and mouth to avoid inhalation is also a must.

In the event that a letter or parcel is used to spread the noxious medium, all site personnel should be vigilant in their examination of suspicious or unsolicited deliveries. If there are any doubts as to the content of a letter or parcel, and if the senders address and the postmark do not match, the item should be treated as suspect and the authorities contacted to examine the piece under controlled conditions.

The Site management cannot mandate for the malicious actions of others, but all site personnel should maintain a heightened state of awareness to protect themselves, their families and their colleagues at work.

DO NOT APPROACH, TOUCH OR ATTEMPT TO REMOVE ANY SUSPICIOUS OBJECT OR DEVICE.

8.0 Post-Incident Review of Response Procedure

At the weekly site safety meeting following an emergency response incident, the site team will review how successfully the Emergency Response Plan was implemented. Following this review, actions will be taken to correct any deficiencies, either by improved communication of the Emergency Response Plan or by modification to the Plan.

Summary of Emergency Services for Engie North America Inc Wind Power Project

Nearest 24/7 Hospital with ER capability that can be reached within 15-30 minutes

Will Respond to any Emergency Call (Fire or EMS)	Dial 911
Plant Manager (Alexander Gilbert) - Direct Contact Number	Dial (605)-705-4460
Summit Volunteer Fire Department 101 E Sherman AVE Summit, SD 57266	Dial (605) 398-6250
Grant-Roberts Ambulance 330 Orchard Dr, Sisseton, SD 57262	Dial (605) 698-4797
Grant County Sheriff's Department 222 E 5th Ave, Milbank, SD 57252.	Dial (605) 432-5853
Prairie Lakes Hospital 401 9th Ave NW, Watertown, SD 57201.	Dial (605) 882-7000
Spill Reports - (NRC) National Response Center:	Dial (1800) 424-8802
Spill Reports - State:	Dial (605)-773-3296

Emergency Service can be contacted by dialing 911.

Contact details of site Managers, first aiders and other personnel are listed on a separate sheet that will be issued with this plan and updated as the project progresses.

Other Useful Contacts

Center for Disease Control (CDC)	http://www.cdc.gov/
Department of Health (DOH)	http://www.doh.wa.gov/
Department of Homeland Security	http://www.dhs.gov/dhspublic/
Federal Bureau of Investigation (FBI)	http://www.fbi.gov/
United States Postal Service	http://www.usps.com/
Federal Emergency Management Agency (FEMA)	http://www.fema.gov/
Occupational Safety & Health Administration (OSHA)	http://www.osha.gov/
Environmental Protection Agency	http://www.epa.gov/
National Response Center to report Toxic Chemical & Oil Spills	Dial 1-800 424 8802 or http://www.nrc.uscg.mil/nrcrpttxt.htm
Poisons Center	http://uuhsc.utah.edu/healthinfo/adult/nontrauma/overview.htm or Dial 1-800 222 1222

Note: Immediately after dealing with the immediate crisis, the Engie North America Inc Plant Manager Alexander Gilbert shall be contacted at (605)-705-4460 shall be notified and informed of the nature of the emergency.

Engie North America Inc CONCISE
EMERGENCY PLAN
HOW TO DEAL WITH AN EMERGENCY SITUATION

Use these notes in case of injury, illness or fire, and also in case of evacuation.

***** ALWAYS KNOW YOUR LOCATION *****
(Each turbine location is numbered, for example A4, M2, etc.)

In case of INJURY or ILLNESS:

1. Call 911 after business hours. Give location and the turbine number of the emergency and describe the injury or illness.
2. During Business Hours Notify a Manager. All Managers carry a cell phone and/or a two-way radio. Describe the emergency to the Manager and Turbine Number.

Engie Plant Manager:	Alexander Gilbert	(605)-705-4460
Dakota Range III Wind Farm Site Offices:	Location: Latitude45°16'03.90" N Longitude97°06'15.81" W	(605) 705 4460
Site Entrance 1.		14605 455th Ave

3. Dispatch SOMEONE ELSE to the main gate to meet and escort the emergency services to your location. You STAY WITH THE CASUALTY.
4. You (or Manager) go with the casualty to the hospital.

In case of FIRE:

1. Call the fire department by dialing 911 and give the location of the fire.
2. Notify Managers (as above).
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, ACTS OF SABOTAGE or TERRORISM or MAJOR INCIDENT:

1. Prepare to evacuate the site. Managers will initiate and coordinate the evacuation.

FOLLOW THEIR INSTRUCTIONS.

In any emergency situation, keep calm and don't panic. Give clear, concise information and directions. The attached map shows the layout of the roads and turbines on the wind project, and the nearest emergency site exit and assembly points.

Map showing layout of the roads and turbines on the Engie North America Inc Power Project
and nearest emergency site exit and assembly points

Figure 1: Project Vicinity Map