Filing Receipt

Filing Date - 2023-06-02 01:51:01 PM

Control Number - 53385

Item Number - 1460

SOLAR PROJECTS
ERP PROCEDURES
MANUAL

ANSON SOLAR,
ANSON, TEXAS

Emergency Response Plan

Emergency Response Plan

Table of Contents

1.0 Introduction

The Emergency Response Plan primarily deals with what action needs to be taken if an incident occurs on the Anson Solar I site. All contractors and subcontractors working on the site will attend the site orientation presented by Engie, familiarizing them with site protocols and documented via orientation sign on sheet.

2.0 Project Description

The Anson Solar I Project consists of 70 x 3.27MW Power Electronics Freesun HEM v2.0 Inverters, substation, and operations building. The project is located in Jones County. A site map is provided on page 16.

3.0 Notification and Communication

3.1 Emergency Information

3.2 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 Typically the categories include:
   - Medical Emergency
   - Fire
   - Construction Emergency

     Equipment Failure – Specify
     - Hazardous Spillage - Specify
     - Inverter 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) Location

Give the operator the location of the emergency, by referring to the nearest inverter number, combiner box number, structure, or road junction and whether casualties are in the open, trapped in a vehicle or in site equipment.

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

Site staff will contact Plant Manager (see list) who will assist at the location of the emergency. Jointly, the site supervisor will arrange for a trained first aider to attend the scene of the emergency, if required.

5) Coordinate
The supervisor(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.

6) Accompany
The supervisor(s) will continue to assist with the situation on site, and one of the supervisors 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.

3.3 Site Evacuation Procedure

1) Personnel empowered to order evacuation/shutdown of the site are:
   - Supervisors of individual contractors may instruct their own people to evacuate
   - Engie Site manager may instruct ALL personnel to evacuate
   - Engie Site supervisors 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 Site Manager (or designated person) will

arrange a head count of all personnel. This will be done by the supervisors from each contractor carrying out their own headcount and advising Engie site management of the result. Supervisors from each contractor will be responsible for maintaining an accurate record of which personnel are onsite each day, 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.

3.4 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 supervisor or company headquarters to enable a roll call and for authorities to establish numbers of survivors and assess those who are not accounted for. Hurricane annex is not applicable to the Anson Solar I site as the facility is not located in an evacuation zone as defined by TDEM.

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 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.

3.5 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 on site. Records will be kept of prevailing weather conditions daily 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 Renewables Services LLC will stop all maintenance operations when lightning strikes within 15 miles from the site.

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.

Regarding atmospheric electrical activity, tall metal structures like 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 inverter locations should be evacuated, and site personnel seek safety in the cab of their vehicle at least 180 ft from the inverter locations 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 Weather Emergency Response

Cold Weather Emergency

Forecasted potential cold weather emergencies are actively monitored by site team to help anticipate severity and proper response needed. If potential cold weather emergency has been forecasted the proper support personnel will be identified 48hrs before event is forecasted to occur and must remain available to support. If weather emergency impedes travel to and from site, then support personnel will remain on site during the duration of the emergency. Support personnel will utilize cots and non-perishable foods located at site. Personnel will exhaust all feasible means to keep plant operational. Possible OMC condition that may occur if temperature drops below minimum inverter design specifications. See Table Below:

ENVIRONMENT	Degree of protection	NEMA3R
	Appliance class	I
	Permissible ambient temperature	-35°C to +60°C / >50°C Active Power derating
	Relative humidity	4% to 100% non condensing
	Max. Altitude (above sea level)	2000m [5]; >2000m power derating (Max. 4000m)
	Noise level [6]	< 79 dBA

Hot Weather Emergency

Forecasted potential hot weather emergencies are actively monitored by site team to help anticipate severity and proper response needed. Site team will reference "OSHA Heat Index: A" to determine if its safe to work in current conditions. Personnel will exhaust all feasible means to keep plant operational. Possible OMC condition that may occur if temperature rises above inverter design specifications. See Table Below:

ENVIRONMENT	Degree of protection	NEMA3R
	Appliance class	I
	Permissible ambient temperature	-35°C to +60°C / >50°C Active Power derating
	Relative humidity	4% to 100% non condensing
	Max. Altitude (above sea level)	2000m [5]; >2000m power derating (Max. 4000m)
	Noise level [6]	< 79 dBA

3.8 Hot/Cold Weather Emergency Checklist

The purpose of this checklist is to verify necessary selected personnel and emergency supplies stock. This checklist is to be filled out 48 hours before forecasted event occurs.

	Hot/Cold Weather Emergency Personnel/Supplies Checklist

Personnel	Signature	Date

Item	Quantity	Expiration Date

3.9 Cyber Security

Reference cyber security "IRP for Anson Solar I" for this section.

3.10 Pandemic & Epidemic

Reference "Anson Solar I COVID-19 Job Site Protocol"

3.11 Physical Security

Plant Substation is secured by use of locks. Substation also has video surveillance. All access doors to O&M building have locking capability. Plant SCADA room access is controlled by Kwikset Auto Locking handle latch assembly which complies with D.O.D 5220.22M. If security breech occurs site team will respond and contact the proper authorities listed in emergency contacts to address situation.

3.12 Water Shortage

This section is not applicable for Anson Solar I as no water is used for site generation.

3.13 Hot/Cold Weather Emergency

Reference document "Anson Solar I Weatherization Plan" for this section.

3.14 Adequacy and Operability of Fuel Switching Equipment

Not applicable for Anson Solar I as no fuel switching equipment is installed.

3.15 Restoration of Service

In the event of system trip or component failure the following steps below will be followed.

1. Notify Realtime Desk of situation/appropriate Engie personnel.
2. Identify source of event through visual means or event files.
3. Identify replacement components needed if necessary.
4. Replace damage system components if necessary.
5. Return affected system to service with appropriate energization plan.
6. Notify Realtime Desk/appropriate Engie personnel that system has been restored.

3.16 Drills

Drill will be performed annually and documented via sign in sheet.

3.17 Plan Holders

This plan will be held both by Engie Renewables Services LLC O&M and by each of the on-site ENGIE staff. In addition, copies shall be sent to the respective emergency services. This will also be provided, together with a site layout map and site location map, in a laminated format during orientation.

4.0 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.

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 supervisor 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 with OSHA 1910.39-C and will provide a copy, updated as appropriate to the Anson Solar I site office.

5.0 Aircraft Impact

In the unlikely event that an aircraft collision should occur, the Emergency Response Plan will be brought into effect to mobilize the appropriate on-site Emergency Response Team and Emergency Services.

6.0 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

If an act of terrorism comes without 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.

6.1 Bomb Threat Procedure

If 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 the nearest Site Supervisor
- 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.

6.2 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.

If 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.

7.0 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.

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.

If 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.

Summary of Emergency Services for Anson Solar I Project
Nearest 24/7 Hospital with ER capability that can be reached within 25 minutes

Will Respond to any Emergency call (Fire or EMS) Dial: 911

Contact Information		
Russell Martin	Solar Technician	(661)478-6649
Keith Wycoff	Solar Technician	(254)459-1422
Jose Antu	Solar Operations Manager	(325)977-1793
John Kibe	Regional Engineer	(469)759-9214
Philip (Philo) Waddell	East Regional Manager	(805)508-3625
Hurel Johnson	US Renewables Director-Solar	(832)259-1569
Yvette Garcia	Regional Admin	(254)424-3404
Jones County Sheriff	911 or 325-823-3201	1100 12th Street Anson, TX 79501
Anson Fire Department	911 or 478-986-6405	1101 Ave I Anson, TX 79501
Air Evacuation Life Team	911	Wichita Falls, TX.76310
Stamford EMS INC.	911	301 E Hamilton St, Stamford, TX 79553
Urgent Care Clinic	325-823-3209	215 N Ave J, Anson, TX 79501
Hospital	325-823-3231	101 Avenue J, Anson, TX 79501
Spill Reporting	National Response Center	(800) 424-8802
Spill Reporting	State (TX)	(800) 8232-8224

Emergency Service can be contacted by dialing 911.

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

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 Anson Solar Plant Manager shall be contacted at (325)977-1793 and informed of the nature of the emergency.

Anson Solar I Site

CONCISE EMERGENCY PLAN
HOW TO DEAL WITH AN EMERGENCY SITUATION

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

***** ALWAYS KNOW YOUR LOCATION *****
(Each Inverter location is numbered, for example A01, L05 , etc.)

In case of INJURY or ILLNESS:

1. Call 911 after business hours. Give location and the closest inverter number of the emergency and describe the injury or illness.
2. During business hours notify a supervisor. All supervisors carry a cell phone and/or a two-way radio. Describe the emergency to the supervisor and include the inverter number.

Contact Information		
Russell Martin	Solar Technician	(661)478-6649
Keith Wycoff	Solar Technician	(254)459-1422
Jose Antu	Solar Operations Manager	(325)977-1793
John Kibe	Regional Engineer	(469)759-9214
Philip (Philo) Waddell	East Regional Manager	(805)508-3625
Hurel Johnson	US Renewables Director-Solar	(832)259-1569
Yvette Garcia	Regional Admin	(254)424-3404
Jones County Sheriff	911 or 325-823-3201	1100 12th Street Anson, TX 79501
Anson Fire Department	911 or 478-986-6405	1101 Ave I Anson, TX 79501
Air Evacuation Life Team	911	Wichita Falls, TX.76310
Stamford EMS INC.	911	301 E Hamilton St, Stamford, TX 79553
Urgent Care Clinic	325-823-3209	215 N Ave J, Anson, TX 79501
Hospital	325-823-3231	101 Avenue J, Anson, TX 79501
Spill Reporting	National Response Center	(800) 424-8802
Spill Reporting	State (TX)	(800) 8232-8224

3. Dispatch a third party to the main gate to meet and escort the emergency services to your location. Reporting employee should STAY WITH THE CASUALTY.
4. Reporting employee, the supervisor or a designated health and safety representative should 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 supervisors (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:

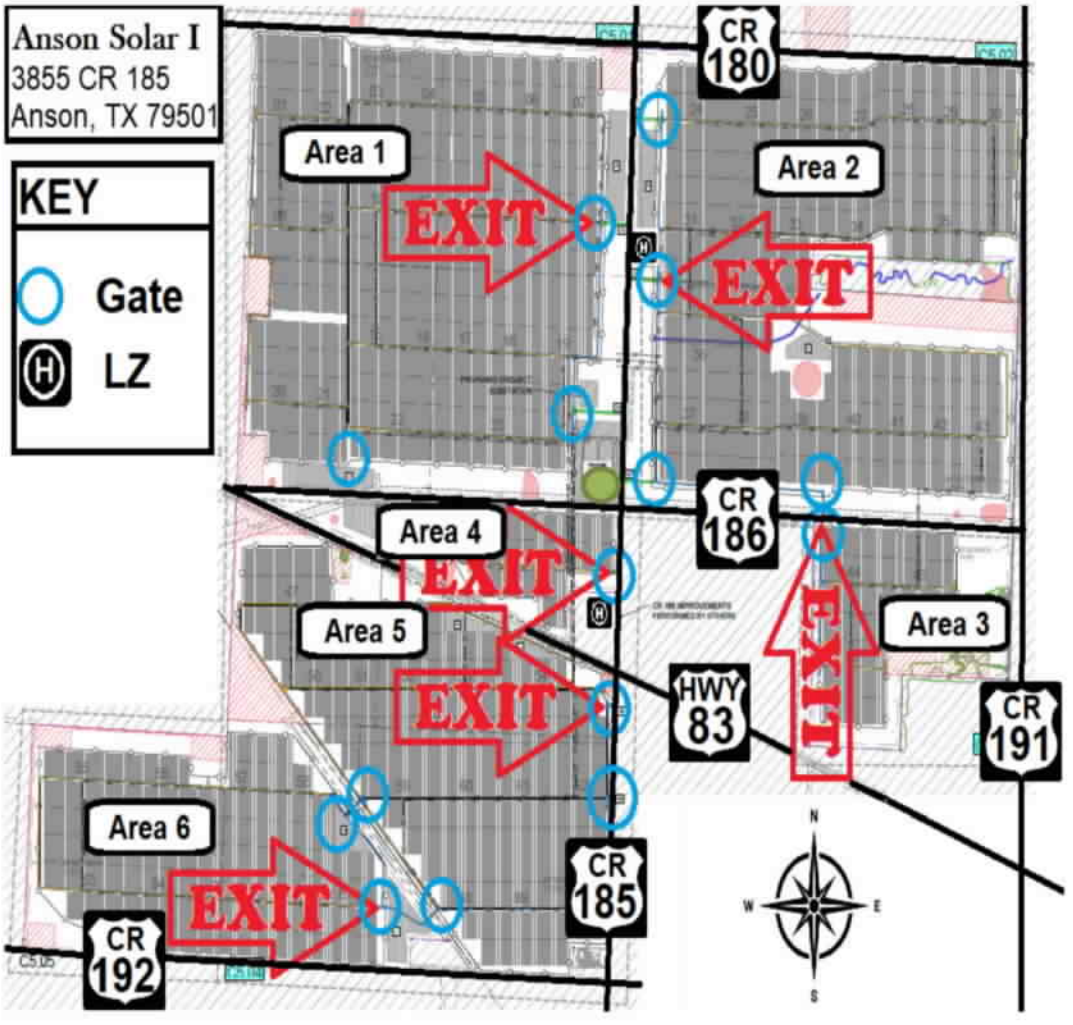
1. Prepare to evacuate the site. Supervisors will initiate and coordinate the evacuation. FOLLOW THEIR INSTRUCTIONS.

In any emergency, keep calm and don't panic. Give clear, concise information and directions. The attached map shows the layout of the roads and inverters on the solar project, and the site muster points.

Map showing site layout, roads, and inverters on the Anson Solar I Project

= Primary Muster Point (Main Office)

Figure 1: Project Site Map



Document Revision

This document shall be reviewed on an annual basis to ensure the integrity and safety.

Change history:
The following table summarizes the change history of the document.

Version	Description of Change	Initiator	Date
Draft	Initial revision & draft	Jose Antu	4/11/2022

Approval:

Approved by	Title	Date
Hurel Johnson	US Renewables Director-Solar	