



## **APPENDIX 6-B**

# **Safety Response Plan**



Highest standards



Matter No. 21-00026

Town of Somerset

Niagara County, NY

Appendix 6-B

Safety Response Plan

March 2023

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## FIGURES

Figure 1. General Layout of the Somerset Solar Project

## 1. Purpose

The Somerset Solar Facility (Facility or Facility Site) Safety Response Plan (SRP) is intended to provide definitions of emergency situations that may occur over the life of the Facility and provide responsibilities and guidelines on how to address each type of emergency to minimize or prevent negative impacts to the Facility, emergency service members, and the surrounding community.

As the Facility is being permitted under Section (§) 94-c of the New York State Executive Law, this SRP has been prepared in accordance with the requirements of §900-2.7(c) regarding safety response and serves as the “Safety Response Plan” required per the regulations. This SRP is preliminary in nature and will be updated to include specific contact information for Facility Site personnel prior to construction as part of the compliance phase of Facility development. These guidelines are intended to assist in making timely decisions and taking appropriate actions. The provisions of the SRP are mandatory for all Facility Site personnel and subcontractors assigned to the Facility. All visitors to the Facility Site must abide by the requirements of this SRP. For information on security for the Facility, see the Facility Site Security Plan prepared in accordance with §900-2.7(b) (Appendix 6-A).

As required by 19 New York Codes, Rules and Regulations §900-2.7(d), the Applicant has provided a copy of this SRP for review and comment to the New York State Division of Homeland Security and Emergency Services.

## 2. Facility Information

The Facility is a 125-megawatt ground-mounted solar electric generation facility located in the Town of Somerset, Niagara County, New York. The Facility is owned and operated by Somerset Solar, LLC (Applicant). Facility lands consist of parcels that have a lease agreement with Somerset Solar, LLC. The Facility itself consists of photovoltaic (PV) modules oriented in linear rows that are connected by electrical cables hung on the underside of the modules, buried underground, and located aboveground on sleeper cables in select areas of the Facility (see Exhibit 3, Figure 3-1). Single-axis panels and fixed tilt panels on ballasted racking systems are included in the Facility design, with the fixed tilt panels located in those areas where the aboveground electrical on sleeper cables are required to protect the liner that is in place for groundwater protection (limited to areas where the cables cross the coal storage pile and existing landfill areas). “Blocks” of modules are connected to an inverter, which converts direct current (DC) electricity to alternating current (AC) electricity. The Facility’s DC solar source circuits will include a messenger cable type hanger system, or conduit on sleepers for the aboveground cabling system, or where

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feasible, an underground system to connect the solar module strings to the inverters and ultimately to the medium voltage collection system which will route back to the Somerset Collector Substation (Facility Substation). The AC power is then routed via 34.5 kilovolt collector lines to the Facility Substation and interconnection facilities. Underground collection lines will be installed via trenching, with the exception of the select locations where cabling will be installed aboveground on sleepers, and areas where horizontal directional drilling will be employed to avoid impacts to sensitive resources and road crossings. Gravel roads will be constructed throughout the Facility to facilitate access for maintenance and repair.

The Facility's design includes 10 development areas with access points along public roads and interior gravel access roads for accessing the panel arrays. Panel array areas of the Facility will be enclosed by 7-foot fencing to ensure security and public safety. Operation-phase access roads include permanent access roads of varying widths, with the primary access roads designed at 20 feet wide to be consistent with local fire code. Other 15-foot wide access corridors also are located within the interior of the array areas and will be used for Operation and Maintenance (O&M) access. The 15-foot and 20-foot wide access corridors will be maintained throughout the PV array areas. The Facility contains a total of approximately 5.1 miles of permanent access roads. The Facility boundaries and infrastructure locations, including solar arrays, electrical collection lines, horizontal directional drilling locations, Facility Substation and fence lines are depicted on Figure 1.

Somerset Solar, LLC is a wholly owned, indirect subsidiary of The AES Corporation, Inc. (AES), which is located in Arlington, Virginia. AES has established contractor safety protocols that verify contractor qualifications and outline required training for all contractors before beginning work. This includes Facility Site- and task-specific safety training that must be completed prior to starting a contract. AES's safety incident reporting is substantially based on United States Occupational Safety and Health Administration reporting requirements (29 Code of Federal Regulations 1904) and tracks proactive and reactive safety metrics, which includes safety walk performance, identification of unsafe behaviors and conditions, near-miss incidents, and progress on safety action plans. These metrics aim to prevent the occurrence of incidents and injuries. The Applicant will effectively implement similar practices to ensure that safety and security risks remain minimal during Facility construction and operation.

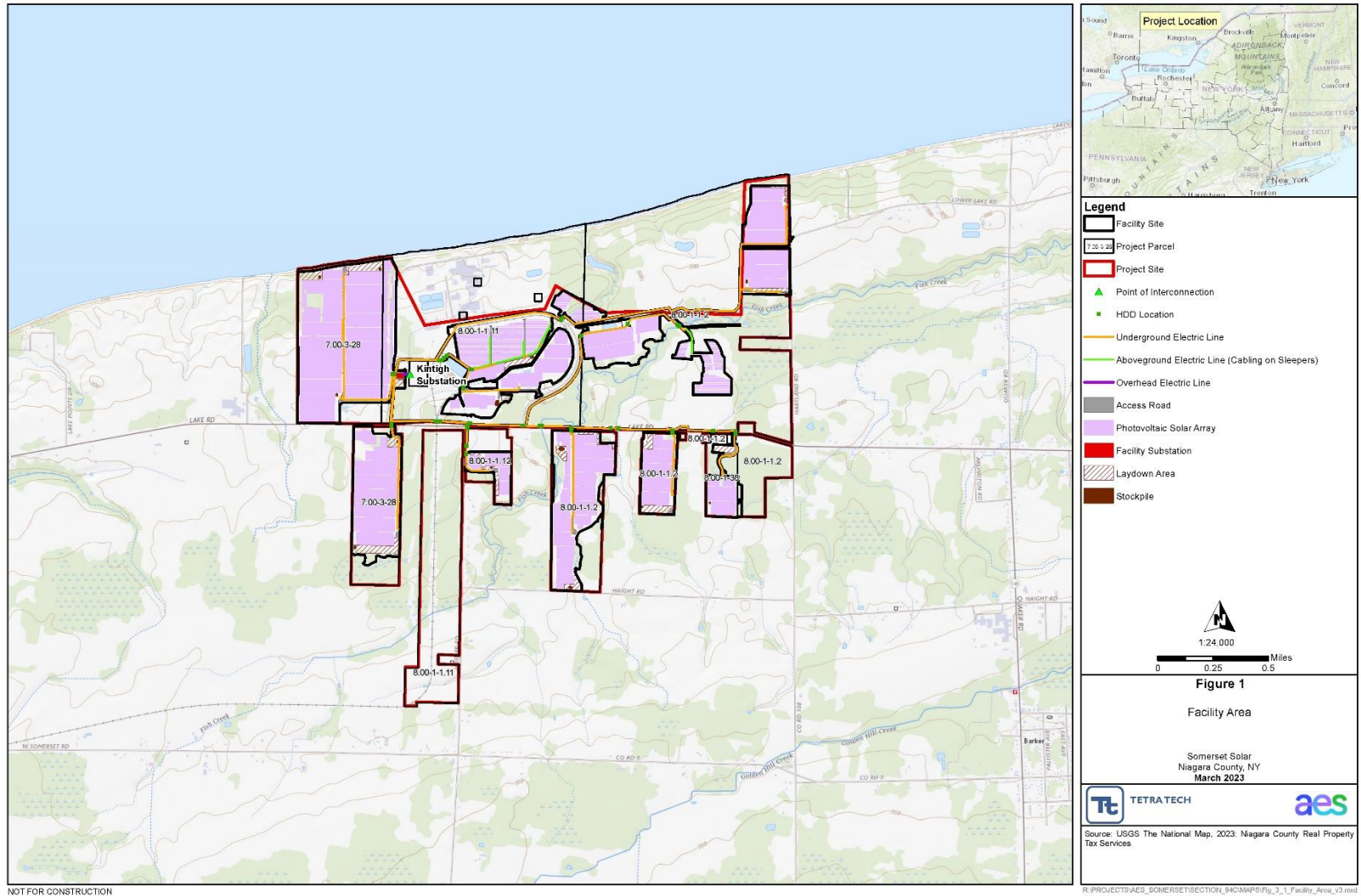


Figure 1. General Layout of the Somerset Solar Facility

### 3. General Safety Information

#### 3.1. Operational Contacts

In the event of an emergency, 911 will be called as soon as possible. 911 calls in Niagara County are routed directly to a dispatch center in Niagara County, where full-time public safety dispatchers address calls according to the type of emergency.

The departments and agencies listed in Table 1 below are those the Applicant will coordinate with as necessary or required as part of implementing this SRP during operation of the Facility. The name and contact information for the appropriate AES/Somerset Solar operational contact (Operator) will be included in the Final SRP. The Operator will be responsible for the SRP implementation.

**Table 1. First Responders and Emergency Services Contact Information**

Department/Agency	Contact	Address
Barker Fire Department (Volunteer)	David Hotaling, Fire Chief	1660 Quaker Road Barker Fire Hall Barker, NY 14012 (716) 795-3011
Town of Somerset, Police	Jon Miller, Chief of Police	Town of Somerset 8700 Haight Road PO Box 368 Barker, NY 14012 (716) 255-0503 (716) 438 3393 (Sheriff, non-emergency)
Niagara County Fire and Emergency Management	Jonathan Schultz, Director of Fire and Emergency Services	5574 Niagara Street Ext PO Box 496 Lockport, NY 14095 (716) 438-3171
Niagara County Sheriff’s Office	Michael J. Filicetti, Sheriff	5526 Niagara Street Ext PO Box 496 Lockport, NY 14095 (716) 438-3393
Niagara County HazMat Officer	Mark Hain, HazMat Officer	5574 Niagara Street Ext. PO Box 496 Lockport, NY 14095 (716) 438-3171



#### **4. Precautions While in the Vicinity of the Solar Electric System**

Only trained and appropriately certified Facility personnel are to conduct work near the electrical equipment associated with the Facility. A minimum of two Facility personnel will be present when handling electrical equipment so that in an emergency, one would be available to respond with first aid and/or Cardiopulmonary Resuscitation (CPR) if necessary. Emergencies or significant issues will be reported as soon as possible to the Operator. Broken panels will not be handled without wearing electrical insulating gloves, because touching cracks in the glass with bare skin could convey the full current and voltage of the array to an individual. It should always be assumed that Facility components contain lethal AC and DC voltages. The most hazardous components are the inverters and disconnects, wiring and electrical boxes, and the Facility Substation.

The power should only be shut off when directed by the Operator. If an emergency occurs that requires shutting the Facility down, the solar array power blocks can be shut off at the inverters by Facility personnel. In these situations, the switches should be manually turned off, which would cause the AC and DC switches to be turned off within the inverters. Then the DC disconnect switch should be turned off and locked.

#### **5. Training**

The Operator will work with emergency departments with jurisdiction over the Facility (New York State and local) as applicable, to provide necessary emergency response trainings to the appropriate staff. This will occur prior to operation and annually throughout the life of the Facility to ensure that individuals responding are prepared to address an emergency while minimizing safety risks as required by §900-2.7(c)(7). Emergency response plan training also will occur at safety orientation. The safety orientation will be conducted with any and all personnel that access the Facility Site and will include review of this SRP.

#### **6. Emergency Situations**

AES personnel and subcontractors working at the Facility shall call the Operator/AES for assistance, based on the significance of the emergency. All work-related injuries and illnesses must be reported immediately to AES.

## 7. Contingencies that would Constitute a Safety or Security Emergency

Contingencies that have the potential to constitute safety or security emergencies include:

- Fire;
- Natural emergency, severe weather;
- Physical threat, security breach, crime;
- Cyber security;
- Environmental accident, spill; or
- Injuries and/or serious health conditions.

### 7.1. Emergency and Evacuation Response Measures

Below is a list of emergency response measures that apply to all contingencies.

- AES personnel and subcontractors working at the Facility shall assess any developing emergency situation and contact appropriate Facility personnel and/or local emergency services for assistance, based on the significance of the emergency. This will be conducted as soon as possible to minimize potential negative impact to Facility personnel, equipment, or the surrounding environment. All work-related injuries and illnesses must be reported immediately to AES.
- If the emergency requires external emergency responders to arrive at the Facility, the initial responder to the Facility Site must initiate and coordinate the external response. For emergencies of a significant nature, like fire or ambulance for a medical emergency, the initial responder shall call 911. An emergency contact number to report emergency situations to the Operator/AES will be provided to the local responders identified in Table 1 prior to initiating construction activities and posted on signage at access road gates and the switchyard once the Facility is operational, should local first responders, local or New York State personnel, or members of the public need to report an emergency at the Facility Site.
- Based upon the type, magnitude, and extent of the emergency, the initial responder or Operator will determine whether evacuation of the Facility should be initiated. If an evacuation is

determined to be necessary, a determination must be made of the type of evacuation to direct (immediate or delayed).

- Solar and Facility Substation components are always hot and should always be considered electrically energized.
- Leave the scene in a safe and stable condition after mitigating hazards.

The Applicant has initiated discussion regarding the Facility and this SRP with representatives of local fire departments, including First Responders and Emergency Services representatives identified in Table 1 above, to review this SRP. Coordination to identify any concerns with the proposed Facility or elements of this SRP is ongoing. As details or revisions to this SRP are identified throughout this outreach and communication process with localities having jurisdiction over potential emergency events, this SRP will be revised. The Applicant will continue to coordinate with the departments listed above in Table 1 to address concerns as they arise.

## 7.2. Fire Emergency

This section describes the actions that should be taken by Facility personnel and emergency services if a fire were to occur at the Facility, to protect the health and safety of individuals and the environment, and to minimize damage to Facility equipment. Fire extinguishers will be present at the Facility and maintained in compliance with the fire code section of the New York State Uniform Fire Prevention and Building Code adopted pursuant to Article 18 of the Executive Law. This includes areas where flammable or combustible liquids are stored, used, or dispensed, and near electrical equipment.

- Ensure the safety of Facility personnel, assess the severity of the fire, and notify the appropriate people and emergency response departments of the situation. If the initial responder would be significantly delayed in extinguishing the fire by first getting to a radio or phone to report it, the fire should first be safely extinguished as soon as possible. This situation would apply if the fire could be controlled or extinguished with one portable fire extinguisher, and if the initial responder is able to maintain an adequate level of safety in attempting to do so. The initial responder, or the individual that discovers a fire within the Facility, must immediately provide the following information to the Operator:
  - The location and perceived source of the fire;

- Any identified injuries that have occurred as a result of the fire; and
  - Appropriate actions that will be taken to extinguish the fire, if save to do so.
- The AES Facility O&M Manager will determine whether any equipment or activities/equipment need to be shutdown/ceased.
- The individual appointed by the AES Facility O&M Manager will shut down equipment as instructed, announce the type and location of the emergency over the radio system, notify other Facility Site personnel, and contact local emergency response services and provide the following information:
  - Type of fire emergency;
  - Location and magnitude of the fire;
  - Whether people nearby are in any immediate danger;
  - Any known injuries related to the fire; and
  - Any other pertinent information.
- That individual will then contact the local fire department, contact the System Operator or Transmission Operator if appropriate; and meet or assign an individual to meet the emergency services at the entrance to the Facility to direct them to the emergency.
- The AES Facility O&M Manager will assess the extent of the fire, and determine the area to be isolated, whether evacuation is necessary, and what equipment or activities will need to be shut down/ceased. They will then instruct the control room to notify the local emergency response services of the need for assistance if it is determined necessary.
- Site personnel that are tasked with escorting the emergency services to the location of the fire may also be called on to provide specific information about the dangers of Facility equipment and electrical sources, as well as any chemicals that may pose a hazard.
- All other Facility personnel that are not directly responding to the fire will report to their designated muster stations. All persons will be accounted for and will remain there until the “all clear” notification is issued.

Upon arrival to the Facility, emergency responders are expected to evacuate and secure the area as appropriate. Personnel will be kept a minimum of 300 feet away from the fire, provided there are no immediate threats to people or non-solar property that would require closer access. The Facility will be left to burn because burning electrical equipment is already damaged and must be replaced. Once the fire is under control or everyone is at a safe distance as it is left to burn, the emergency responders will manage adjacent areas (homes and forested areas) as needed, to limit the potential of the fire spreading. If the fire must be suppressed within the fence line, the Operator will direct local authorities on how to proceed.

### **7.3. Natural Emergency or Severe Weather**

The Facility is located in a region that may experience snowstorms, and although less likely, minor earthquakes, flooding, hurricanes, or high wind events (e.g., microbursts). The Facility components are built to withstand the types of extreme weather likely to be encountered, including snowstorms, hail, high winds, heavy rain, flooding waters, and lightning. However, these weather events may be detrimental to Facility personnel, the environment, and Facility components. Local radio stations, television stations, internet weather and news sites, and Facility Site weather systems track and issue warnings about developing weather emergencies, which the AES Facility O&M Manager will monitor in case these conditions approach the Facility. Once a severe weather event has passed, all equipment will be evaluated by the Operator for damages. Repairs will be completed as necessary to resume Facility operations if they had been interrupted. Protective measures to promote safety during these weather incidences include:

- When a severe weather watch or warning has been issued through the sources mentioned previously, the AES Facility O&M Manager will notify other Facility personnel.
- The AES Facility O&M Manager will determine whether to shut down and/or evacuate the Facility depending on the severity of the weather situation, such as when high winds, flooding, or hail are forecasted. Equipment shutdown procedures should be performed in compliance with the Facility's operating practices and plans that ensure the prioritization of safety.
- Site personnel will seek indoor shelter in a reinforced structure or other designated secure location and will remain indoors as long as the severe weather is affecting the immediate surroundings.
- The following actions will be undertaken as applicable in order to secure the Facility prior to severe weather events, as long as it is safe to do so.

- Evacuate site personnel from open areas where solar racking or other conductive materials are located, especially if lightning has been forecasted or observed nearby;
  - Secure portable equipment such as trash cans and tools, or store them indoors;
  - Close and latch storage containers and construction trailers;
  - Move to a sheltered location. If sheltering inside of a vehicle, ensure that it contains a survival kit and sufficient gasoline; and
  - Conduct a head count of all Facility personnel, ensuring that they are safe and accounted for.
- The AES Operator is responsible for lightning monitoring. When lightning activity threatens the Facility, the following incremental steps will be taken to minimize personnel exposure:
    - When lightning is detected 30 miles away from the Facility, notify personnel of increased lightning hazard, and prepare to cease outdoor activity.
    - When lightning is detected 10 miles away from the Facility, cease outdoor activity other than securing equipment. Personnel not occupied with securing equipment will move to designated shelters. A stand-down will last for 30 minutes from the last lightning event within a 10-mile radius.
    - When lightning is detected 7 miles away from the Facility, immediately cease all outdoor activity. Abandon efforts to secure equipment if not completed. All personnel are to take cover in designated shelter.

#### **7.4. Physical Threat, Security Breach, or Crime**

Physical security at the Facility can be threatened or compromised by terrorism, physical intrusion or vandalism, and other similar events. If a hostile intruder enters the Facility with perceived ill intent, Facility personnel, visitors, and contractors must quickly determine the best course of action for their own safety, depending on their location within the Facility (close to an escape route or shelter), proximity to the hostile intruder, etc. In addition to the general emergency response measures, each individual present at the Facility has the option to evacuate (leave replaceable items and flee the area), hide out of view, take action (as last resort and only when your life is in imminent danger), and/or call 911 when safe to do so.

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If threatening correspondence is received verbally (either by phone, radio, or in person), as much information as possible should be obtained from the person issuing the threat, for as long as possible. For threats received via phone, the time of the call will be noted, the caller will not be interrupted, and the tone of his or her voice will be described, as well as any background sounds. If the threat is received via written correspondence, the correspondence will be placed in a location where it will not be disturbed until the local authorities can be contacted.

After gathering information about the threat, the AES Facility O&M Manager will notify Security Operations and local law enforcement will be contacted, as applicable (e.g., 911). Then the Physical Security Event will be described to all Facility Site personnel.

### **7.5. Cyber Security Emergency**

Notification of a cyber security-related emergency may come from an outside source, or any of the following sources:

- A business partner or manager;
- A system page or email alert to an administrator or the Operator;
- Release of an awareness notification from the Operator;
- Corporate Security or the Information Management Support Center; or
- A Business Unit designated to be contacted by a source outside the First Responder.

If a cyber security-related emergency is discovered, the AES Facility O&M Manager and corporate security, will be notified, as appropriate. Cyber assets will be restored to normal operations by reloading data from backup tapes, reinstalling cyber assets from their original distribution media, or other means. The assets, once restored, will be tested to ensure they will function correctly and not be affected by the same issues or vulnerability once they are placed back in production.

Evacuation of the Facility is not likely to be necessary during these situations, but the AES Facility O&M Manager will determine whether that is appropriate.

### **7.6. Environmental Accident or Spill**

The best defense against spills is prevention. The easiest way to prevent spills is to conduct proper vehicle

maintenance and inspections, never place vehicles or equipment in or near sensitive environments, and to store all materials in protected areas.

If a chemical, oil, or Heat Transfer Fluid spill or release is identified as significant and has the potential to pose health hazards or significant negative environmental impacts, Facility personnel will call for trained outside responders to respond. This response will include cleaning up the spilled substances, and in some cases, stopping the source of a spill. Equipment to handle hazardous substance incidences will be located on the Facility Site in compliance with the New York State Uniform Fire Prevention and Building Code adopted pursuant to Article 18 of the Executive Law. Details on the cleanup actions to be taken are as follows:

- If the spill originated from an action, the individual that performed that action or an individual that initially observed the release will attempt to stop the release, if possible, to do so without exposure to the substance being released.
- All Facility personnel should evacuate the area where the spill is occurring or has occurred to observe from a safe distance.
- The spill occurrence will be communicated to others nearby, and the AES Facility O&M Manager should be notified as soon as possible via radio or whichever mode of communication would be fastest. The following information should be provided:
  - Type of substance spilled/released;
  - Location(s) and boundaries of spill/release;
  - Whether the origination of the spill/release has been stopped, and whether it is contained;
  - Whether any Facility personnel have been injured exposed to the substance;
  - Estimated quantity of substance released; and
  - Potential environmental impacts (waterbodies, streams, ground, etc.).
- The AES Construction Manager/AES Facility O&M Manager will evaluate whether the



spill/release poses a threat to the surrounding environment or community. If so, 911 will be called as soon as possible.

Several measures can be taken to prepare for quick and effective containment of any potential spills prior to undertaking construction activities. First and foremost, each contractor shall keep adequate supplies of spill containment equipment at the construction site. These shall include both specialized spill containment equipment and excess supplies of straw bales, silt fencing, and portable vacuum pumps, to be available as needed. All AES vehicles will be equipped with a spill kit. Other spill containment measures include using drip pans and/or absorbent materials underneath vehicles and equipment every time refueling, servicing, or maintenance activities are undertaken.

Notification procedures for spills are as follows:

A formal notification process shall be initiated when a spill or potential spill is first observed. Immediate actions are necessary. The first individual who discovers a spill (spill observer) will be responsible for initiating notification and response procedures. All personnel responsible for responding to spills must have completed training in recognition and response to spills of hazardous materials. AES is responsible for providing spill recognition and response training for all AES Facility personnel. The Facility personnel who must be notified and will assist in hazardous spill response include, but are not limited to the person/s that observed the spill (Spill Observer), AES Facility Management, AES Construction Manager/AES Facility O&M Manager, and the Spill Response Team. General responsibilities of the designated personnel are outlined as follows:

The **Spill Observer** is the first person/s to witness a spill. They must immediately:

- Make an assessment of the incident as observed;
- If the incident can be safely controlled, take steps to do so. For example, shut off the source of spill;
- Notify AES Facility Management. Provide as much information as possible; and
- Begin to fill out the Spill Notification Checklist.

**AES Facility Management** will initiate the following actions:

- Notify the AES Construction Manager/AES Facility O&M Manager;
- Make sure all personnel are removed from the spill area;
- Take immediate actions to minimize any threat to public safety (verify the spill area has been cordoned off);
- Secure the source of the spill, if safely possible to do so;
- Maintain close observation of the spill;
- Monitor personnel;
- Determine if the spill response team is needed to accomplish cleanup;
- Determine if additional spill response support is necessary;
- Coordinate with the AES Construction Manager/AES Facility O&M Manager to initiate spill response;
- Initiate Spill Response Team;
- Complete containment, cleanup and disposal of hazardous waste; and
- Complete Spill Notification and send to AES Facility O&M Manager and AES Safety Manager.

The **AES Facility O&M Manager** will:

- Coordinate with the contractor's representative regarding level of spill response required; and
- Notify governmental agencies if necessary.

The **Spill Response Team** are third party contractor employees or outside companies hired by the contractor who are designated to respond to spills. The Spill Response Team will:

- Follow the specific spill response procedures outlined in the SRP; and

- Take direction from the contractor's representative for additional actions needed for spill response.

## **7.7. Injuries and/or Serious Health Conditions**

- If an injury occurs or health condition arises that requires medical care, Facility personnel should contact 911 immediately so that trained medical responders can assess and address the situation as appropriate. First aid can then be applied by Facility personnel until the medical responders arrive.
- The locations of the nearest non-emergency Worker's Compensation approved medical facility as well as the Occupational Nurse will be posted at the Facility along with their name, address and phone number. However, 911 responders will likely determine the best location for urgent emergency care.
- At least one up to date (inspected monthly) first aid kit will be kept at the work site, and one will be kept in each employee personnel vehicle. At any given time, a minimum of one employee present on the Facility Site will be trained in CPR, and in the use of an Automated External Defibrillator (AED). Information will be provided on how to sign up for CPR and AED safety training. If training is available at the Facility, the AED will be accessible to all staff at a known location, will include clear instructions for its use and records of maintenance and testing. Facility personnel will be given an annual demonstration on operation of the AED. Any AED present at the Facility will be tested and inspected per the manufacturer's recommendations, and the dates of each inspection will be documented.
- Subcontractor management is responsible for getting injured parties to the hospital and emergency treatment at the nearest health care facilities in the most efficient manner possible based on perceived injuries, using ambulance, paramedic units, or Air Evacuation as needed.
- For all first aid medical incidents and non-emergency situations like a minor injury, the AES Facility O&M Manager will be contacted to help provide support. Subcontractor safety personnel should accompany the injured party and use the local occupational medical clinic or hospital nearest the Facility.
- Subcontractors must establish their own First Aid stations. They shall be made available to their workforce and provided in each trailer and in all trucks on the Facility.

### Basic First Aid Response Actions

The following first aid steps are recommended by the American Red Cross.

- Check the scene and the ill or injured person. Assess whether the scene is safe to enter, how many people are involved, what happened, whether the illness or injury may be life-threatening (such as severe bleeding), and whether others are available to help.
- If the person is awake and responsive and there is no severe life-threatening bleeding, you should first obtain consent by telling the person your name, describing your type and level of training, stating what you think is wrong and what you plan to do, and asking permission to provide care. Then tell a bystander to get the AED and first aid kit. Use appropriate Personal Protective Equipment (PPE) such as gloves, if available. While doing this, ask the ill or injured person about any relevant symptoms, allergies, medications, pertinent medical history, last food or drink and events leading up to the incident.
- If the person appears unresponsive, shout to get their attention, using the person's name if it is known. If there is no response, tap the person's shoulder and shout again, while checking for normal breathing.
- If the person is breathing, send someone to call 911 or the designated emergency number and obtain an AED and first aid kit. Gather information from bystanders and conduct a head-to-toe check for signs of injury. If there are none, roll the person onto his or her side into a recovery position.
- If the person is not breathing, send someone to call 911 or the designated emergency number and obtain an AED and first aid kit. Ensure that the person is face-up on a firm, flat surface such as the floor or ground. If you are trained in giving CPR and using an AED, begin CPR (starting with compressions) or use an AED as appropriate if one is immediately available. Continue administering CPR until the person exhibits signs of life, such as breathing, an AED becomes available, or emergency medical services or trained medical responders arrive on scene.
- Identification and emergency response measures for specific types of injuries that may be encountered are described below. If the person is responsive but has an obvious severe physical injury or is exhibiting signs of shock, call 911 immediately, and follow the appropriate steps listed below per the type of injury, if applicable. If the person has visibly broken bones or is bleeding

profusely, or neck/spine injuries are likely to have occurred, do not move the person's body unless they are in immediate danger by remaining in that location. Otherwise, immobilize injuries and prepare them for transportation if necessary and safe to do so. Apply pressure to bleeding wounds until trained medical personnel arrive and are able to address the wounds themselves, or until directed by them to stop applying pressure.

### Physical Shock

- Physical shock can be identified by a pallid face, cool and moist skin, shallow and irregular breathing, perspiration appearing on the individual's upper lip and forehead, increased, but faint pulse rate, nausea, and/or detached semi-conscious attitude towards what is occurring around him or her. If one or a combination of these symptoms are observed, call 911 immediately and remain with the individual, attempting to calm them.

### Electric Shock

- Electric shock can be identified by pale, bluish, clammy, and mottled skin, unconsciousness, and no indications of breathing. If one or a combination of these symptoms are observed, turn off electricity if possible, call 911 immediately, remove electric contact from the individual with non-conducting material, and call for the AED while having a CPR-certified individual perform CPR

### Burns

- Burns can be identified by a red to deep red skin color, blisters, and/or exposed flesh. If one or a combination of these symptoms are observed, cool the individual's skin immediately, free them of any jewelry or metal if it is safe to remove it, and call 911 as soon as possible. Do not pull away clothing from burned skin tissue or apply any ointment to the burn area as that may cause further damage to the wound.

### Heat Stroke and Heat Exhaustion

- Heat stroke can be identified by a strong and fast pulse and/or the skin on the face appearing redder than usual and dry to the touch. If one or a combination of these symptoms are observed, rapidly cool the individual by sponging them with water, fanning them to allow evaporation to occur, and moving them into a cool environment, such as a shaded location or air-conditioned car or building.

- Heat exhaustion can be identified by an increased heart rate, fatigue, impaired cognitive ability, lack of coordination, clammy skin, weakness, and/or dizziness. Body temperature may feel normal. If one or a combination of these symptoms are observed, move them into a cool environment, such as a shaded location or air-conditioned car or building, and lay them on their back with their feet slightly elevated. If sufficient shade for Facility Site workers is not safely accessible or available at the Facility from existing tree or structures, the construction foreman will provide additional options for shade such as temporary shade canopies.
- During a heat wave or heat spike (i.e., increase in afternoon temperature of more than 10 degrees during warm weather) the Facility may be closed, and work may need to be rescheduled or done at night. If the work can't be completed at a later date or at night the foreman will hold an emergency tailgate meeting to inform all employees of the heat conditions, emergency response procedures, and mitigation techniques (e.g., more frequent breaks, shade, increase water consumption, etc.). When ambient temperatures remain at and exceed 95 degrees Fahrenheit, the AES Facility O&M Manager or his or her designee shall discuss revisions to the work schedule (start time, end-of-shift time, multiple shifts with varying start times).
- The AES Facility O&M Manager will ensure effective communication by voice, observation, or electronic means is maintained so that employees can contact a supervisor when necessary. Employees will monitor other employees for alertness and signs and symptoms of heat illness. Fellow employees will police each other to ensure their co-workers are drinking water frequently throughout the shift. New employee will be assigned a "buddy" or experienced coworker for the first 14 days of the employment.

## **8. Emergency Responder Training Drills**

Training drills will be conducted with the local emergency responders at least once every calendar year. These routine drills will benefit the emergency responders by providing an opportunity for familiarization with the layout of the Facility and any potential hazards associated with it, providing for quicker response times in the event of an emergency.