Canyon Peak Power | Canyon Peak Power LLC Q24-063 | Arapahoe County, Colorado 1041 / Use By Special Review | Application



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Canyon Peak Power Arapahoe County 1041/USR Application Q24-063





Emergency Response Plan

Canyon Peak Power Station 5050 S. County Rd 129, Bennett, CO 80102 Arapahoe County

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Table of Contents

1.0	Purpose	,
2.0	Scope 3)
3.0	Certification of Plan Accuracy and Effectiveness 3)
4.0	Definitions 4	
5.0	Facility Information	,
6.0	Emergency Equipment 6	i
7.0	Transportation Routes	i
8.0	Emergency Response Procedures 6	i
8.1	Medical Emergencies7	•
8.2	Fires	•
8.3	Tornado/Severe Weather	1
8.4	Hazardous Material Release	1
8.5	Bomb Threat	1
8.6	Active Shooter 11	
9.0	Training Requirements 12	
10.0	References 14	
11.0	Revision History 15)

Appendices

Appendix A. Emergency Contact Information Appendix B. Bomb Threat Questionnaire Appendix C. Emergency Response Plan Training Log Appendix D. Emergency & Evacuation Map



1.0 Purpose

Canyon Peak Power LLC ("CPP") is committed to the safe operation and responsible generation of power at all its facilities. The purpose of this Emergency Response Plan ("ERP" or "Plan") is to establish formal emergency prevention and preparedness procedures with the intent of protecting human health, environment, and the facility in the event of an emergency.

The Plan includes uniform preparation and response guidelines for the following emergency situations:

- Medical,
- Fire,
- Severe Weather,
- Hazardous Material Releases,
- Bomb Threats, and
- Active Shooter.

2.0 Scope

This Plan applies to all personnel working at CPP facilities. These procedures and response guidelines will be used in conjunction with any other authorized programs set forth by CPP and applicable regulatory requirements for the facility.

A complete copy of this ERP will be maintained at the CPP Station (5050 S. County Rd 129, Bennett, CO). In addition, a copy is maintained at CPP's Corporate Headquarters (500 Alexander Park Drive, Suite 300, Princeton, New Jersey). The ERP will be made available to CPP employees and will provide a basis for training employees, contractors, visitors, and emergency responders. The ERP is not required to be certified by a registered professional engineer but has been reviewed and authorized by CPP management.

3.0 Certification of Plan Accuracy and Effectiveness

"I have reviewed the contents of this Emergency Response Plan and certify that the policies and procedures contained within are accurate and effective in managing emergencies at CPP facilities."

Environmental Health &
Safety Manager

Date

CPP Plant Manager

Date



4.0 Definitions

DOT	United States Department of Transportation
Emergency	Standardized system capable of notifying all personnel located
Notification System	within a given facility of any emergency situation (i.e., audible/visual
	alarm system, rapid notification system, radio alert system).
Evacuation	To withdraw, in an organized manner, to a safe assembly area.
Hazardous Materials	A petroleum product or any DOT or OSHA hazardous material which
	results or may result in adverse affects on the health or safety of
	employees who are exposed to it.
HSE	The individual(s) responsible for compliance with Health, Safety and
Representative(s)	Environmental (HSE) programs.
Incipient Stage	A fire in the initial or beginning stage that can be controlled or
	extinguished by portable fire extinguishers, class II standpipe, or
	small hose systems without the need for protective clothing or
	breathing apparatus.
Muster Location	Designated areas located away from critical locations where
	employees can find refuge in a serious or life-threatening situation.
National Weather	National Weather Service bulletin stating that severe weather has
Service WARNING	been sighted in the area.
National Weather	National Weather Service bulletin stating the possibility that severe
Service WATCH	weather could develop.
OSHA	United States Occupational Safety and Health Administration
PPE	Personal Protective Equipment (PPE) is equipment worn to
	minimize exposure to hazards that cause serious workplace injuries
	and illnesses. These injuries and illnesses may result from contact
	with chemical, radiological, physical, electrical, mechanical, or other
	workplace hazards.
Standard Industrial	Standard Industrial Classification (SIC) codes are four-digit
Classification	numerical codes assigned by the U.S. government that categorize
	the industries to which companies belong by their primary business
	activity.



5.0 Facility Information

Facility Name: Canyon Peak Power Station			
Location (Street Address):15050 S. County Rd 129			
City:BennettState:ColoradoZip:80102County:ArapahoePhone Number:(XXX) XXX-XXXX			
Fax No.:			
Latitude: Degrees39 Minutes37 Seconds22			
Longitude: Degrees -104 Minutes 27 Seconds 3			
Owner: Canyon Peak Power LLC			
Owner Location (Street Address):			
c/o Kindle Energy LLC, 500 Alexander Park Drive, Suite 300			
City: Princeton State: NJ Zip: 08540			
County: Mercer Phone Number: (609) 250-7702			
Operator (if not Owner): <u>Same</u>			
Facility Description: <u>The Canyon Peak Power (CPP) Station is located at 5050 S. County Rd</u> 129, approximately 9 miles south of Bennett, Colorado. The facility is located on property owned by CORE Electric Cooperative, Inc. The facility will be interconnected to CORE's 115 kV transmission lines located at their existing Brick Center Substation on the property. CPP will exclusively serve CORE's cooperative members and residents. The Project also includes the installation of approximately 3.9 miles of a 10-inch diameter natural gas supply pipeline to provide natural gas fuel to the site. The CPP portion of the facility consists of six (6) General Electric (GE) LM2500 Xpress simple cycle combustion turbines (CT) generating a total of approximately 156 megawatts (net output)			
of power. The only fuel for the combustion turbines is natural gas. The auxiliary equipment consists of a 355-hp emergency firewater pump engine and its associated 572-gallon diesel storage tank.			
The facility consists of a control building and storage tanks where some hazardous materials are stored (e.g., diesel fuel, 19% aqueous ammonia for SCR). It is possible that fires, explosions, or any unplanned sudden or non-sudden releases of hazardous material constituents to air, soil, or surface water could potentially occur at this facility. Current Operations: <u>Electric Power Generation: SIC Code 4911</u>			



6.0 Emergency Equipment

PPE & Equipment Available	Location
Boots, Gloves, Hard Hats, Ear and Eye	Control Building
Protection	
Fire Extinguishers	Control Building, Gas Metering Yard & Fire
	Pump
First Aid Supplies	Control Building
Fire Fighting Engines & Apparatus	Bennett-Watkins Fire Department
Miscellaneous Emergency Equipment	Control Building
Self-Contained Breathing Apparatus	Control Building & Bennett-Watkins Fire
(SCBA) and/or Facepiece Respirators	Department
Spare-Compressed Breathing Air Bottles	Bennett-Watkins Fire Department
Spill Cleanup Kits	Control Building & Aqueous Ammonia AST

7.0 Transportation Routes

The CPP Station is co-located with CORE's Brick Center Substation. Access will be via County Road 129 (either southbound from Bennett/Interstate-70 or northbound depending on point of origination) and then eastbound on Belleview Avenue. The dedicated ingress/egress to the CPP Station will require turning north/left off Belleview Avenue and into the parking area centrally located north of the detention pond and west of the control trailer.

Chemicals/products, non-potable water, and petroleum/lubricants/oils for will be delivered to site by various contractors of CPP during operations (varies greatly). The only regular shipments of materials or chemicals anticipated at the CPP facility will be deliveries of aqueous ammonia¹ offloaded to the aboveground storage tank (AST) located in the northeast quadrant of the site. The aqueous ammonia AST will be within a dedicated secondary containment and equipped with audible and visual emergency notification alarm system in the event of a release. Other chemicals of interest that will be delivered to the facility on an "as needed" basis could be diesel fuel, dielectric fluids such as mineral oil, lubricants, and miscellaneous small quantities of chemicals necessary to perform equipment work and maintenance.

8.0 Emergency Response Procedures

The primary concern in any emergency situation is to protect personnel, the public, environment, and the facility from harm. In most cases, the employee first observing the incident will be able to access the general type of hazard involved and the safety precautions required. If in doubt or if the incident is observed at one of the co-located operations, additional assistance should be obtained prior to approaching the emergency area.

CPP's facility response management system and the essential steps to be taken during different types of emergencies are provided in the following sections.

¹ <= 19% by weight for use in the selective catalytic reduction (SCR) system which, along with dry low NOx (DLE) combustion system, is utilized for NOx control



8.1 <u>Medical Emergencies</u>

- 1. All medical emergencies shall be immediately reported to the Control Room.
- 2. Ensure the person who discovers an injured person or one with a serious illness immediately informs the Control Room of the following information and that proper basic first aid is provided until help arrives:
 - Discoverer's name and location
 - Exact location of person needing assistance
 - Name, approximate age, and any known medical conditions of the injured person(s)
 - Nature and severity of injury/illness
 - Any apparent conditions or hazards which could increase the level of danger (i.e., chemicals, falling hazards, space confinements) in the area of the incident
 - Description of any action being taken or about to be taken
 - Maintain open lines of communication with the Control Room
 - If you are trained and willing, perform CPR as necessary
 - A. Assess victim
 - B. Establish airway
 - C. Call for an AED
 - D. Do not move victim unless necessary
 - Control heavy bleeding or spurting blood by using direst pressure
 - Use universal precautions when providing first aid
 - Stay with the victim until help arrives
- 3. If professional help is needed (e.g., ambulance), the Control Room will call for this assistance (i.e., 911) while Responder remains with injured person(s).

SAFETY ALERT: Do not hang up until told to do so by the emergency agency receiving your call.

4. Notify appropriate management. In the event of an occupational death, hospitalization, or serious injury, CPP's EHS Director, Vice President, and Chief Operating Officer (COO) should be contacted immediately, as well as other staff that may require emergency event notification.

8.2 <u>Fires</u>

- 1. The person who discovers a fire shall immediately inform the Control Room of the following information:
 - Discoverer's name and location
 - Exact location of the fire
 - Size and type of fire (i.e., electrical, combustible, flammable liquids)

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- Any existing injuries (see section 8.1)
- Any apparent conditions or hazards which could increase the level of danger (i.e., chemicals, flammable liquids or gases) in the area of the fire
- Description of any action being taken or about to be taken
- 2. If the fire is in its incipient stage and is in the process of being extinguished, then the Control Room (person receiving the emergency call) shall send appropriate personnel to the area of the incident to assist.
- 3. If the fire is small and contained (e.g., in a trash can) and can be easily extinguished with one fire extinguisher, do so as follows:
 - a. Yell "FIRE! FIRE! FIRE!" to warn others of danger
 - b. Report to the Control Room
 - c. Give your name, location and type of fire
 - d. Notify the Control Room of your intent to extinguish the fire

DO NOT ATTEMPT TO CONTROL OR EXTINGUISH A FIRE IF YOU ARE NOT CURRENTLY TRAINED.

4. Clear and isolate the area to reduce spreading

DO NOT PUT YOURSELF OR ANYONE ELSE IN DANGER.

- 5. Using the training techniques (PASS System), attempt to extinguish the fire:
 - a. Pull the safety pin
 - b. Aim at the base of the fire
 - c. Squeeze the trigger
 - d. Sweep the spray from side to side
- 6. Keep the control room apprised of the situation
- 7. If the fire has progressed beyond incipient stage, or there are hazards near the fire that could quickly elevate the danger of the situation, then the Control Room shall:
 - a. Initiate facility evacuation to the Safe Assembly Area (see Appendix D).
 - b. Notify the appropriate outside agencies (i.e., 911).
 - c. Notify system dispatcher and management of emergency situation.
 - d. Notify third-party water supplier(s) to initiate fire water tank refill deliveries.

DO NOT ATTEMPT TO CONTROL A LARGE FIRE.

8. Remain at the Safe Assembly Area until dismissed by emergency personnel

SAFETY ALERT: Never attempt to fight a fire in any electrical facility with water without consent and instruction from CPP or CORE Electric Cooperative staff.



NOTE: For fire protection, 125,000 gallons of water is available on-site in an AST located north of the Control Building and provides pressurized fire water connected to hydrants encircling the CPP site. Additionally, each GE CT is equipped with fire detection and a CO2 fire extinguishing system equipped with visual and audible alarms.

8.3 <u>Tornado/Severe Weather</u>

- 1. Ensure the following in the event that a "National Weather Service WATCH" is issued:
 - a. Notify all on-site personnel that a "National Weather Service Watch" pertaining to the area has been issued.
 - b. Monitor weather bulletins for further development.
 - c. Ensure field personnel maintain an awareness of developing weather conditions in the surrounding area.
- 2. Ensure the following in the event that a "National Weather Service WARNING" is issued:
 - a. Notify all on-site personnel that a "National Weather Service Warning" pertaining to the area has been issued.
 - b. Ensure the facility is storm ready.
 - c. This may include:
 - i. Removing personnel from rooms with windows during high wind events and move to interior rooms.
 - ii. Ensure all personnel in vehicles have been located and are directed to remain indoors until otherwise notified.
 - iii. Alternative lighting (flashlight) is available and working properly.
 - iv. Radio, phones, and communication equipment is available and working properly.
- 3. Report the sighting of any impending weather threat immediately to the Control Room and activate the Emergency Notification System, as appropriate.
- 4. Ensure personnel proceed to designated safe shelter areas.

8.4 <u>Hazardous Material Release</u>

- 1. Ensure the person who discovers a hazardous material release immediately informs the Control Room of the following information:
 - a. Discoverer's name and location
 - b. Exact location of release
 - c. Size and type of release
 - d. Personnel exposed to or injured by hazardous material (see section 8.1)
 - e. Any apparent conditions or hazard that could increase the level of danger/exposure in the area of the hazardous material release

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- f. Description of any action being taken or about to be taken; in an area where hazardous vapors may be released and unconscious personnel are observed, this area will not be entered unless rescue personnel are equipped with SCBA
- 2. Ensure the Control Room (person receiving the emergency call) notifies HSE Representative, facility management, and, if applicable, Emergency Spill Response Contractors, as appropriate.
- 3. Ensure the Control Room, HSE Representative and/or facility management evaluate the incident and issue necessary directives for appropriate situation control which may include implementing facility evacuation to the Safe Assembly Area (see Appendix D).

8.5 Bomb Threat

- 1. No telephone calls, notes, or letters relating to bombs or bomb threats will be disregarded.
- 2. Ensure, for bomb threats received by telephone, the person who receives the threat shall:
 - REMAIN CALM and try to keep the caller talking. If possible, immediately notify the Control Room if you can do so while remaining on the line with the caller.
 - Record all information and comments made by the caller as accurately as possible; use the exact words spoken by the caller.
 - Try to obtain the following information (see Appendix B):
 - Date and time of the call.
 - Location of the bomb.
 - When it is expected to go off.
 - Gender of caller.
 - Mood of caller, for example, angry, intoxicated, calm, intelligent, etc.
 - o Background noise.
 - o Unusual characteristics, such as an accent or key word repeatedly used.
 - When the caller disconnects, then notify facility management IMMEDIATELY (provided this has not already been accomplished)
- 3. If any employee receives a bomb threat by sources other than telephone, they must notify Facility Management as soon as possible.
- 4. Control Room and/or Facility Management will do the following:
 - Evacuate the facility immediately.
 - Remember visitors/vendors are the responsibility of the personnel they are visiting (all visitors must have a liaison).
 - Report any suspicious items or behaviors observed during evacuation.
 - Notify proper authorities/law enforcement agencies via 911.
 - Provide information and assistance to authorities upon their arrival.
 - Let the authorities determine when it is safe to re-enter the facility.



SAFETY ALERT: Do not use cell phones or radios in close vicinity of notified bomb location. As a PRECAUTION, do not disturb any foreign packages or objects.

8.6 <u>Active Shooter</u>

- 1. If you are aware of an active shooter onsite and can do so safely, call 911
- 2. If you have a safe escape route, away from the shooter and the immediate area:
 - Run to the nearest safe exit, stay quiet (silence cell phones and radios).
 - Leave all belongings behind.
 - Evacuate even if others do not follow.
 - Assist others willing to escape with you.
 - Notify Control Room of your location and situation when it is safe to do so.
- 3. When Police arrive KEEP YOUR HANDS VISIBLE
- 4. Follow any instructions given by Police.
- 5. If you do not know the location of the shooter, hide in place and secure the area as best you can.
- 6. Lock doors if possible.
- 7. Push desks, tables bookshelves (anything heavy) in front of the entrance door.
- 8. Turn off lights and noisy items.
- 9. Do not move wounded personnel.
- 10. Do not pull a fire alarm or respond to one if an active shooter is onsite.
- 11. Do not run in a straight line.
- 12. Hide in place when you are unsure of the shooter's whereabouts.
- 13. Stay out of view, stay hidden until help arrives.
- 14. Do not huddle in groups.
- 15. Contact the Control Room with a situational update only when you are sure it is safe to do so.



9.0 Training Requirements

The HSE Representative will assure that all personnel covered by this ERP receive proper training. Training will be conducted annually and whenever the ERP is modified or ones' responsibilities under the Plan changes. All training will be documented, with records maintained by the safety department for the length of employment. Training will include the following information:

- ✓ Overview and general information regarding the contents of this program.
- ✓ Evacuation routes and designated muster locations, both inside, and outside of the facility.
- ✓ In the event an employee discovers an emergency, they are to immediately notify a supervisor.
- ✓ The difference between a notification to evacuate to the Safe Area outside of the building (i.e., muster points), versus the notification to evacuate to the Shelter In Place inside of the building.
- ✓ The information contained in Evacuation Map (see Appendix D).
- ✓ Any unique fire and/or chemical hazards that exist in the department.
- ✓ Where the written ERP is stored.

An evacuation drill should be conducted at least annually to assure that all employees know their role in the event of an actual emergency. The local Fire Department, Office of Emergency Management, and/or other emergency responders may be notified of the drill in advance and invited to participate. A follow up meeting will be conducted with Facility Management to discuss and resolve any problems discovered during the drill, such as alarms not heard in specific areas of the facility, employees reporting to the wrong location, etc.

The following information pertains to the OSHA standard for Emergency & Evacuation:

- 1. Emergency Exits and Aisles:
 - a. All exits must be clearly marked with a readily visible sign that is illuminated and can be read in the dark.
 - b. Any doors that would be mistaken for an exit must be clearly marked as 'Not an Exit' or otherwise identify what lies beyond the other side, for example "Storage Area".
 - c. If an exit door cannot be readily seen by all users, the route to the exit must be clearly marked. Exit signs with arrows directing people to the nearest exit, strategically placed along the main aisles are required whenever direction to the nearest exit is not immediately apparent.
 - d. In addition to illumination, the letters on exit signs must be at least 6 inches high and 3/4 inch wide. (These are standard measurements)
 - e. Exits cannot be locked shut to the point that occupants of the building cannot easily escape.
 - f. All exits must empty out of the facility into an area where public access can be obtained.
 - g. Make sure that the outside of all emergency exits do not present hazards such as potholes, snow, or ice cover, etc.
 - h. Aisles leading to an exit door should be clearly marked and must be at least 28 inches wide.

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i. Emergency aisles should be in the straightest path possible to the exit. (Do not designate an escape aisle to pass through a 'building' inside of the facility.)

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10.0 References

Department of Transportation (DOT) – Hazardous Materials Regulations. 49 CFR Subchapter C.

Occupational Safety and Health Administration (OSHA). Hazardous Communication Standard (HCS) 2012 Final Rule. 29 CFR §1910.1200.

OSHA. Emergency Action Plans. 29 CFR §1910.38.

OSHA. Electric power generation, transmission, and distribution. 29 CFR §1910.269.



Revision:

1.0

11.0 Revision History

Revision History			
Document Owner:	Shawn Donovan		
Revision	Description of Change	Revision Date mm/dd/yyyy	Approved By
1.0	Initial Release	XX-XX-XXXX	



APPENDIX A.

Emergency Contact Information

Designated Incident Commanders/Response Coordinators	Phone Numbers
[PLANT MGR]	(XXX) XXX-XXXX
Facility Management	
[PLANT MGR]	(XXX) XXX-XXXX
CORE Electric Cooperative, Inc.	1-800-332-9540 or
	(303) 688-3100
Jon Howard, VP – Engineering	(609) 605-2353
Thomas Flexon, VP – Development	(609) 250-7227
Environmental, Health and Safety (EHS)	
[PLANT HSE REP]	(XXX) XXX-XXXX
Shawn Donovan, Director – Environmental	(609) 436-9020
Freddie Guyote, Director – EHS	(609) 250-7702
Federal and State Agencies	
National Response Center	1-800-424-8802
CDPHE Spill Hotline	(877) 518-5608
Colorado State Police	(303) 239-4501 (non- emergency incident reporting)
US EPA, Region 8	(303) 312-6054
Chemical Transportation Emergency Center (CHEMTREC)	1-800-424-9300
Poison Control	1-800-222-1222
Local Emergency Responders	
Sheriff/Police/Fire Department	911
AdventHealth Southlands ER (nearest 24hr Full- Service Emergency Room)	(303) 649-3000
Arapahoe County Office of Emergency Management (OEM)	(720) 874-3656 NFogg@arapahoegov.com
Bennett-Watkins Fire District	(720) 258-8911 (24hr non- emergency assistance) (303) 644-3572 Office
Emergency Spill Response Contractors	
TBD	



APPENDIX B.

BOMB THREAT - CALLER QUESTIONNAIRE

Remain calm and proceed down the list. Any information you can obtain may be helpful to authorities.

Date:	Time:	Phone Ext. Call Received at:	
ASK CALLER		RESPONSE (Quote Caller if Possible)	
Where is the Bomb?	·		" -
What does it look lik	e? "		" -
When will it go off?	"		"
Why did you plant it	? "		"
Why would you wan	t to hurt innocent people	?	
			_
Information on caller	r: Gender:	Possible Age:	
Mental Condition:	Sober:	Intoxicated:	
	Angry:	Calm:	
Accent, Voice Inflec	tion, Unusual Words:		
What was said (as e	exact as possible)? "		-
			_
Area of Call			-
Background Noise:	Quiet:	Noisy:	
	Street Noise:	Bar/Party:	
Person receiving this	s call (sign please)		
Ĵ			



APPENDIX C.

EMERGENCY RESPONSE PLAN TRAINING LOG

INSTRUCTOR:

I have trained the employees listed below on the facility Emergency Response & Evacuation Plan. A copy of the training outline is attached.

INSTRUCTOR'S SIGNATURE:

I have received training in this program. I understand the information provided and have no further questions regarding this information.

EMPLOYEE'S NAME (PRINT)	EMPLOYEE'S SIGNATURE	COMPANY	DATE



Procedure No:	ENV-ERP-CPPv01
Revision:	1.0
Page:	19 of 20

APPENDIX D. EMERGENCY & EVACUATION MAP

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