

# Water Shortage Antelope Elk Energy Center Operating Manual

Manual: GSE-AGS-OM

Section: **12.18** 

## 12.18 Water Shortage

## 12.18.1 Purpose



#### 12.18.2 Definition



#### 12.18.3 Possible Causes



## 12.18.4 Possible Consequences



#### 12.18.5 Attachments

**Event Report Form** 



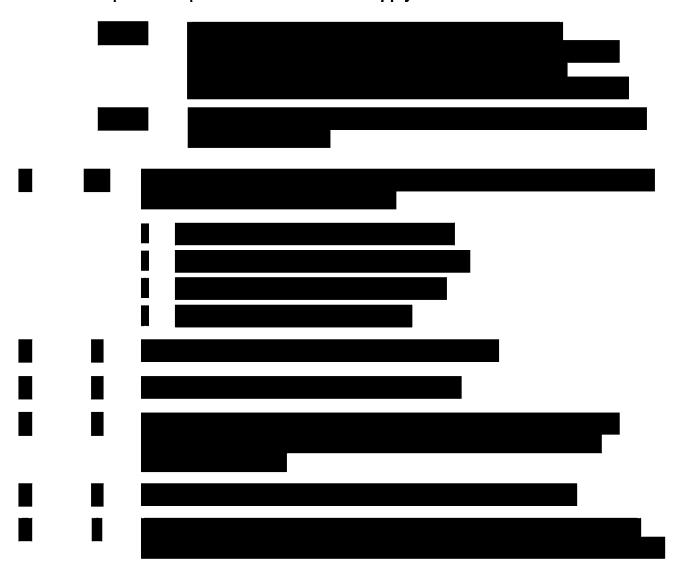
# Water Shortage Antelope Elk Energy Center Operating Manual

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## 12.18.6 Actions to Perform

## 12.18.6.1 Preparations prior to Loss of Water Supply



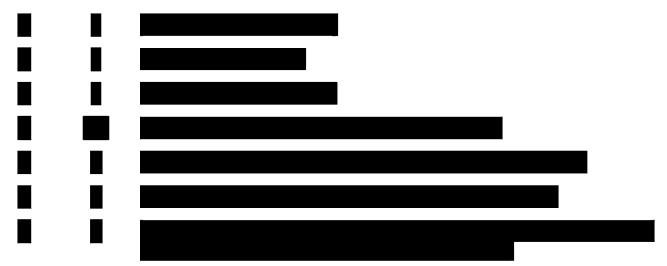


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## 12.18.6.2 Prior to Loss of Water Supply



12.18.6.3 During Loss of Water Supply Event





# Water Shortage Antelope Elk Energy Center Operating Manual

Manual: GSE-AGS-OM

Event and Actions:



# Antelope Elk Energy Center Operating Manual

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# Wild Fire Procedures

# Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
0	11/3/2014	Gary Burget	Kevin Moore	Gary Burget	All
1	02/21/2016	Kevin Moore	Ross Wilson	Kevin Moore	All
2	09/15/2016	Jason Beard	Kevin Moore	Kevin Moore	All
3	12/1/2020	Kevin Moore	Greg Newman	Ron Kuehnle	All
4	12/17/2021	Kevin Moore	Kevin Moore	Kevin Moore	All
5	12/15/2022	Kevin Moore	Kevin Moore	Kevin Moore	All

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Section: **12.19** 

**Procedure Revision Summary** 

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.6
2.	Document Title:
	Wild Fire Procedures
3.	Effective Date:
4.	Document Change:
Rev 0	Initial draft of procedure
Rev 1	Updated Facility Name and Logo throughout document.
Rev 2	Updated Facility Name and Logo throughout document.
Rev 3	Review – Made updated to align with current operating mode.
Rev 4	Annual Review
Rev 5	Annual Review
5.	Training Requirements:
	Required reading for all personnel.

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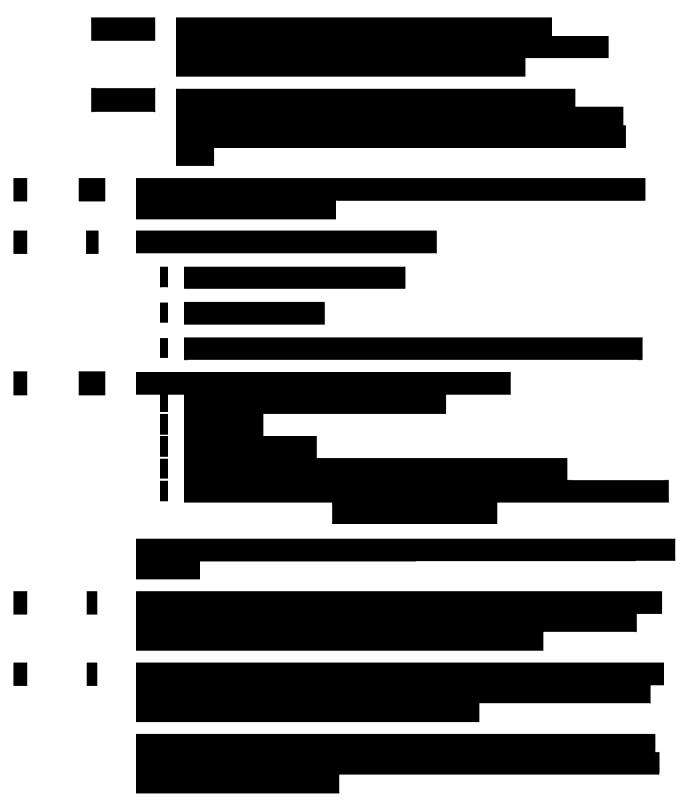
12.19	Wild Fire Procedures
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## 12.19.6 Actions to Perform





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## **Emergency Event Report Form**

Event and Actions:



# Antelope Elk Energy Center Operating Manual GSE-AGS-OM, Section 12.20 Critical Equipment Identification

# Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
0	10/15/2014	Kevin Moore	Gary Burget	Kevin Moore	All
1	02/21/2016	Don Ables	Kevin Moore	Kevin Moore	All
2	09/15/2016	Jason Beard	Kevin Moore	Kevin Moore	All
3	12/1/2020	Kevin Moore	Greg Newman	Ron Kuehnle	All
4	12/17/2021	Kevin Moore	Kevin Moore	Kevin Moore	All
5	12/15/2022	Kevin Moore	Kevin Moore	Kevin Moore	All

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# Critical Equipment Identification Antelope Elk Energy Center Operating Manual

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# Critical Equipment Identification Antelope Elk Energy Center Operating Manual

Manual: **GSE-AGS-OM** 

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## **Procedure Revision Summary**

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.18
2.	Document Title:
	Water Shortage
3.	Effective Date:
4.	Document Change:
Rev 0	Initial draft of procedure approved for implementation
Rev 1	Updated Facility Name and Logo throughout document. Added turbine specific information.
Rev 2	Updated Facility Name and Logo throughout document.
Rev 3	Review – Made updated to align with current operating mode.
Rev 4	Annual Review
Rev 5	Annual Review
5.	Training Requirements:
	Required reading for all personnel.



# Critical Equipment Identification

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# Critical Equipment Identification Antelone Elk Energy Center

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# Critical Equipment Identification Antelope Elk Energy Center Operating Manual

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12.20.6 Equipment List (Antelope Units)



# Critical Equipment Identification Antelone Fik Energy Center

Antelope Elk Energy Center Operating Manual Manual: **GSE-AGS-OM** 



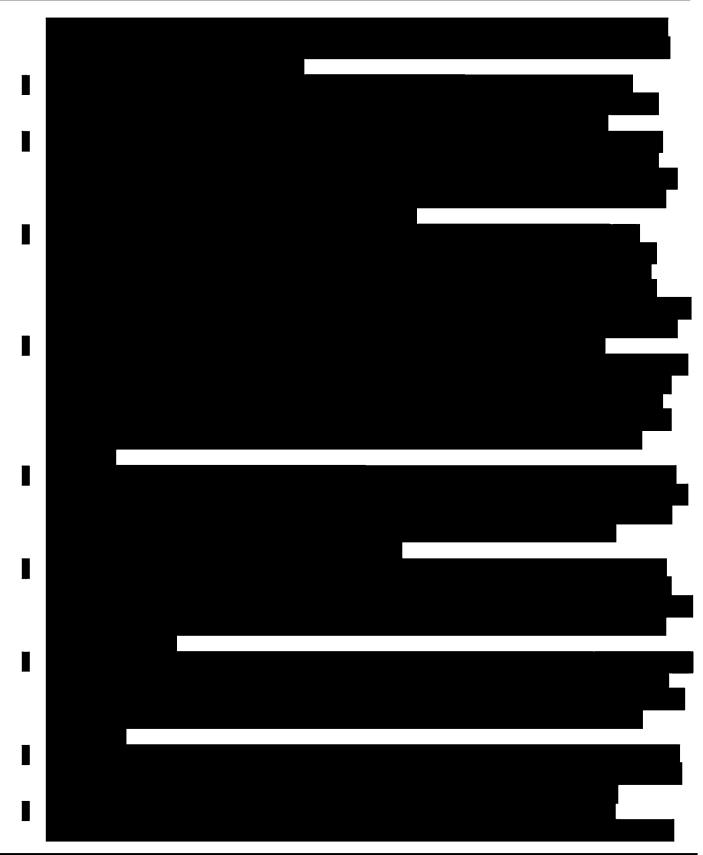




# Critical Equipment Identification

# Antelope Elk Energy Center Operating Manual

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# Critical Equipment Identification Antelope Elk Energy Center

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# **Critical Equipment Identification** Antelope Elk Energy Center Operating Manual

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12.20.7	Equipment	List	(Elk	Units)
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# Critical Equipment Identification

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# Critical Equipment Identification

# Antelope Elk Energy Center Operating Manual

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# Critical Equipment Identification Antelope Elk Energy Center Operating Manual

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## **Event Report Form**

Event and Actions:			



# Antelope Elk Energy Center Operating Manual GSE-AGS-OM, Section 12.21 Active Shooter

# Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
0	05/01/2017	Don Ables	Kevin Moore	Kevin Moore	All
1	07/01/2018	Kevin Moore	Greg Newman	Ronald Kuehnle	All
2	12/1/2020	Kevin Moore	Greg Newman	Ron Kuehnle	All
3	12/17/2021	Kevin Moore	Kevin Moore	Kevin Moore	All
4	12/15/2022	Kevin Moore	Kevin Moore	Kevin Moore	All

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## **Procedure Revision Summary**

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.21
2.	Document Title:
	Active Shooter
3.	Effective Date:
4.	Document Change:
Rev 0	Initial draft of procedure
Rev 1	Update to better align with NRG-1201 and incorporate information from Active Shooter Preparedness Guide.
Rev 2	Review – Made updated to align with current operating mode.
Rev 3	Annual Review
Rev 4	Annual Review
5.	Training Requirements:
	Required reading for all personnel. See procedure for training requirements.

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# Antelope Elk Energy Center Operating Manual

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## **12.21.2 DEFINITION**



## **12.21.3 TRAINING**





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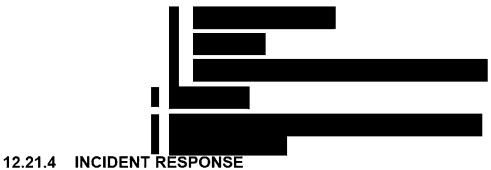
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# Antelope Elk Energy Center Operating Manual







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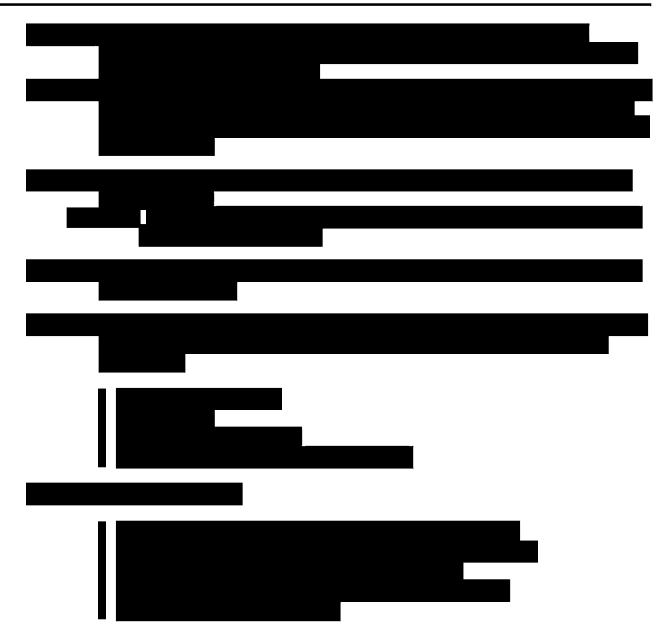
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12.21

# Antelope Elk Energy Center Operating Manual



#### 12.21.5 REFERENCES

- 12.21.5.1 U.S. Department of Homeland Security, <u>Active Shooter: How to Respond</u>. <u>DHS Active Shooter Booklet</u>
- 12.21.5.2 U.S. Department of Homeland Security, <u>Active Shooter Pocket Card</u>.

  <u>DHS Active Shooter Pocket Card</u>

#### **12.21.6 ADDENDUMS**

12.21.6.1 Additional Guidelines for Power Plants

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12.21.6.2 Site Evacuation Map

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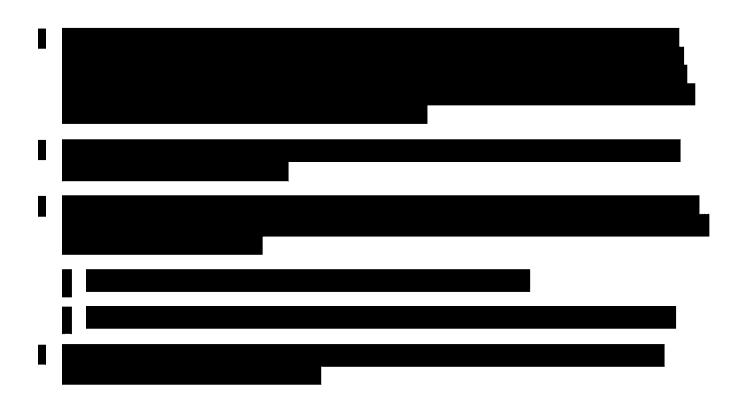
Antelope Elk Energy Center
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#### Addendum 1

Additional Guidelines for Power Plants **NOTE**:

In the event that an Armed Person or Active Shooter enters a power plant, all employees are authorized to take appropriate action to ensure their personal safety. NRG's goal is to protect employees. Equipment considerations are secondary.





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# **Site Evacuation**

# Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
0	5/01/2017	Don Ables	Kevin Moore	Kevin Moore	All
1	7/25/2018	Allen Webb	Kevin Moore	Kevin Moore	All
2	12/1/2020	Kevin Moore	Greg Newman	Ron Kuehnle	All
3	12/17/21	Kevin Moore	Kevin Moore	Kevin Moore	All
4	12/15/22	Kevin Moore	Kevin Moore	Kevin Moore	All

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# Site Evacuation Antelope Elk Energy Center Operating Manual

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Section: **12.22** 

## **Procedure Revision Summary**

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.22
2.	Document Title:
	Site Evacuation
3.	Effective Date:
4.	Document Change:
Rev 0	Initial draft of procedure
Rev 1	Updated facility name throughout document.
Rev 2	Review – Made updated to align with current operating mode.
Rev 3	Annual Review
Rev 4	Annual Review
_	Training Description
5.	Training Requirements:
	Required reading for all personnel.

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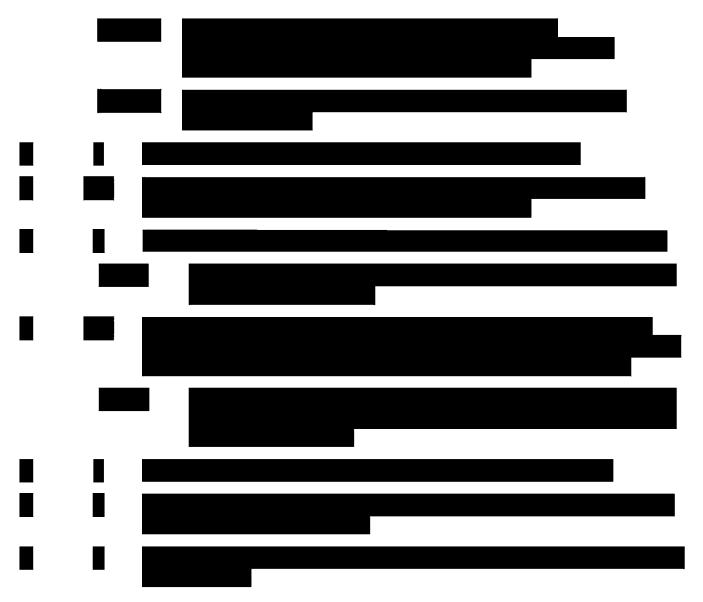
## **Site Evacuation**

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#### 12.21.6Actions to Perform





#### **Event Report Form**

Event and Actions:



# Antelope Elk Energy Center Operating Manual GSE-AGS-OM, Section 12.23 Physical Security

## Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
0	4/7/2022	Gary Burget	Ron Kuehnle	Ron Kuehnle	All

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#### **Procedure Revision Summary**

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.25
2.	Document Title:
	Physical Security
3.	Effective Date:
4.	Document Change:
Rev 0	Initial draft of procedure
5.	Training Requirements:
	Required reading for all personnel.

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#### 12.4 Physical Security

#### **12.4.1 Purpose**



#### 12.4.2 Definition



#### 12.4.3 Possible Causes

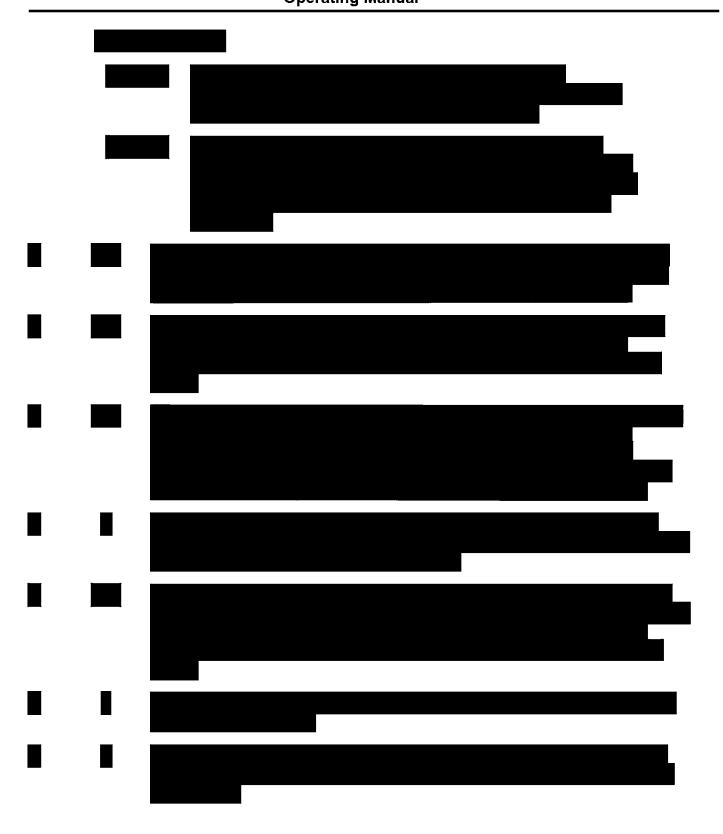
#### 12.4.4 Possible Consequences

#### 12.4.5 Attachments

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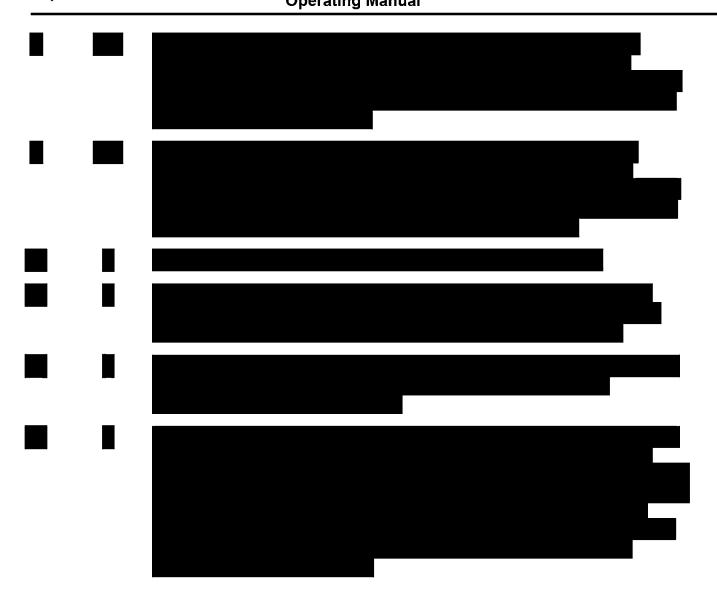


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#### **Incident Event Report Form**

Events and Actions:



# Antelope Elk Energy Center Operating Manual GSE-AGS-OM, Section 12.24 Epidemic & Pandemic Plan

### Golden Spread Electric Co-Op Antelope Elk Energy Center

Abernathy, Texas

Rev	Date	Prepared By	Reviewed By	Approved By	Pages Affected
2	01/18/2021	Kevin Moore	Greg Newman	Ronald Kuehnle	Lockdown / Extended Stay
3	08/20/2021	Kevin Moore	Greg Newman	Ronald Kuehnle	Contact Lists
4	12/17/2021	Kevin Moore	Kevin Moore	Kevin Moore	Contact Lists
5	12/15/2022	Allen Webb	Kevin Moore	Ronald Kuehnle	All

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Manual:

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Section: 12.24

#### **Procedure Revision Summary**

1.	Document and Revision Number:
	GSE-AGS-OM, Section 12.24
2.	Document Title:
	Epidemic & Pandemic Plan
3.	Effective Date:
	04/01/2017
4.	Document Change:
Rev 0	Initial draft of procedure
Rev 1	Full document update and integration into EAP to align with additional requirements identified by corporate support.
Rev 2	Added ATTACHMENT for site "Lockdown" and added references to new attachment in sections for 12.24.8.10 – Personnel Shortage – OTHER OPTIONS; and 12.24.8.11 – Extended Work Periods
Rev 3	Update Contact Lists contained within document
Rev 4	Update Contact Lists contained within document
Rev 4	Update Contact Lists, Title and definitions contained within document
5.	Training Requirements:
	Required reading for all personnel. See procedure for training requirements.

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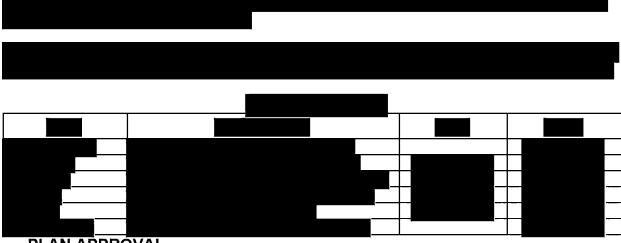


## Epidemic & Pandemic Plan

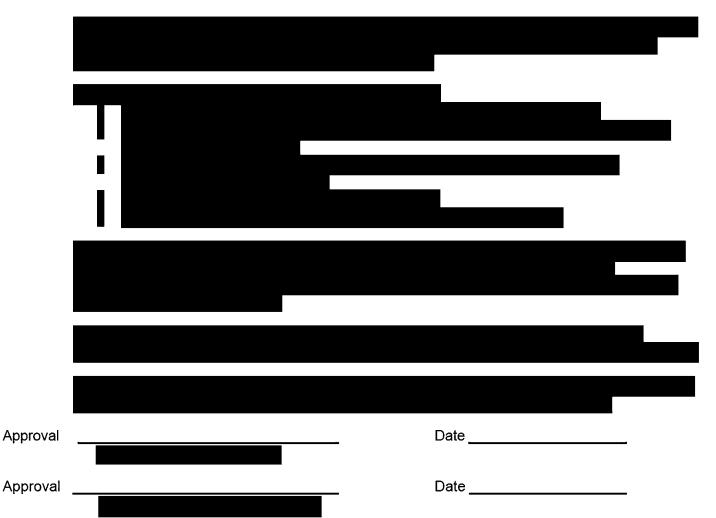
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#### 12.24.1 INCIDENT RESPONSE



12.24.2 PLAN APPROVAL



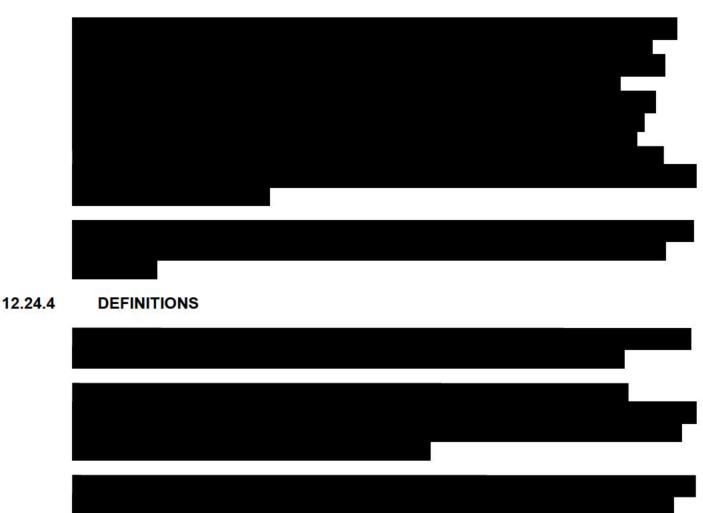
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#### 12.24.3 PURPOSE



**Coronavirus** – Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

**COVID-19** – The latest Coronaviruses (CoV), COVID-19 is the infectious disease caused by the most recently discovered coronavirus. This new virus and disease were unknown before the outbreak began in Wuhan, China, in December 2019.



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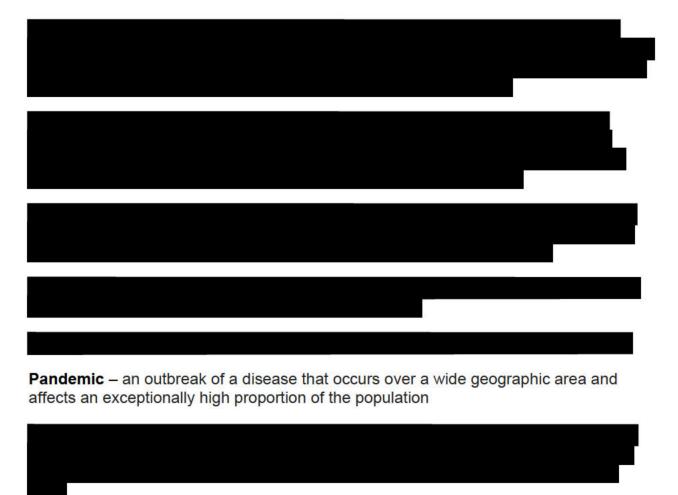


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H1N1 (Swine Flu) – H1N1 (referred to as "swine flu" early on) is a new influenza virus causing illness in people. This new virus was first detected in people in the United States in April 2009. Other countries, including Mexico and Canada, have reported people sick with this new virus. This virus is spreading from person-to-person, probably in much the same way that regular seasonal influenza viruses spread. Up to date more than 30,000 people has been infected around the world. For more information on this virus (http://www.cdc.gov/h1n1flu/qa.htm)

**H5N1** – The latest avian influenza virus subtype of concern and there appears to be little human immunity to it. The predominant winter strain of human influenza is H3N2. Most adults have some partial immunity to this strain, which caused a pandemic in 1968 when it evolved from avian influenza.



**Quarantine** – is when people who have been in close proximity to an infected person, but appear healthy, are asked to remain in one place, away from the general public, until it can be determined that they have not been infected.

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WHO - World Health Organization. Working with 194 Member States, across six regions, and from more than 150 offices, the World Health Organization's primary role is to direct and coordinate international health within the United Nations system.

#### 12.24.5 **POSSIBLE CAUSES**



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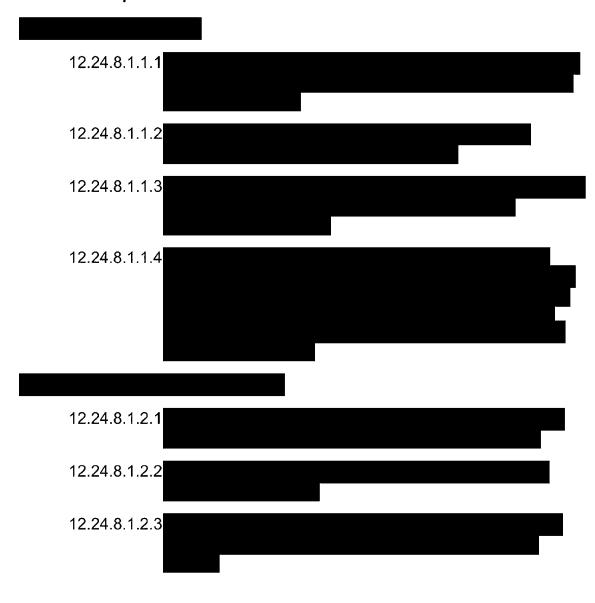
Section: **12.24** 

#### 12.24.7 ATTACHMENTS



#### 12.24.8 PROCESS & PROCEDURES

#### 12.24.8.1 Assumptions

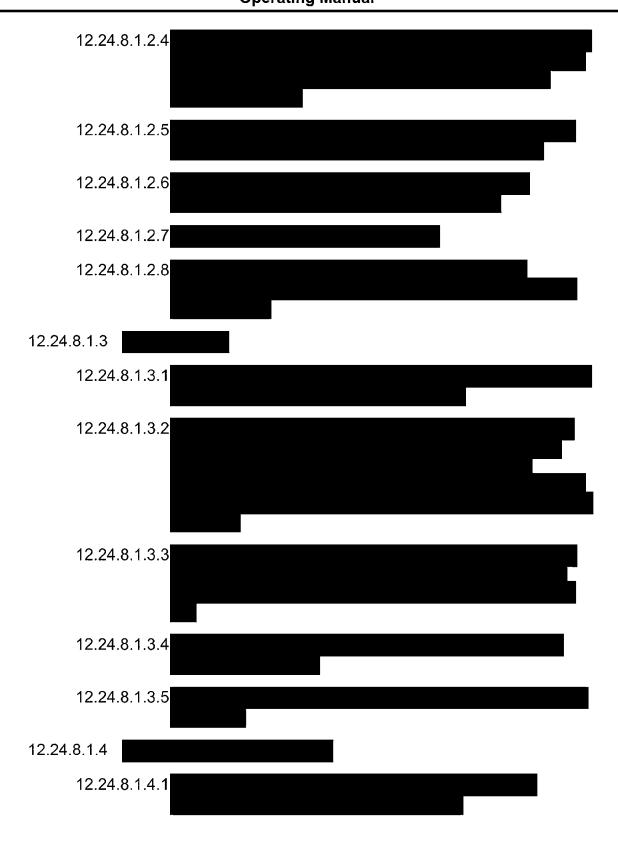


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#### 12.24.8.2 Pandemic Alert Phases

The World Health Organization (WHO) tracks health concerns around the world and has established Pandemic Alert Phases. As depicted in the table below, each phase describes the stages of a pandemic from its inception. These phases can be used in the planning process as a means of establishing trigger points upon which response activities can occur. Table 1 below illustrates the WHO Pandemic Alert Phases.

	WHO Pandemic Alert Phases		
	Inter–Pandemic Period		
1	No new influenza virus subtypes have been detected in humans. An influenza virus subtype that has caused a human infection may be present in animals. If present in animals, the risk of human disease is considered to be low.		
2	No new influenza virus subtypes have been detected in humans. However, a circulating animal influenza subtype poses a substantial risk of human disease.		
	Pandemic Alert Period		
3	Human infections(s) with a new subtype, but no human-to-human spread, or at most rare instances of spread to a close contact.		
4	Small cluster(s) with limited human-to-human transmission but spread is highly localized, suggesting that the virus is not well adapted to humans.		
5	Large cluster(s) but human-to-human spread still localized, suggesting that the virus is becoming increasingly better adapted to humans, but may not yet be fully transmissible (substantial pandemic risk).		
	Pandemic Period		
6 Table 4	Pandemic phase: increased and sustained transmission in general population.		

Table 1

(United States Department of Health & Human Services Pandemic Influenza Plan, Appendix C: WHO Pandemic Phases)

To keep apprised on the World Health Organization's current pandemic alert phase, visit <a href="https://www.cdc.gov/">https://www.cdc.gov/</a>. This web site provides a wide array of educational pandemic information.

#### 12.24.8.3 Employee Communication

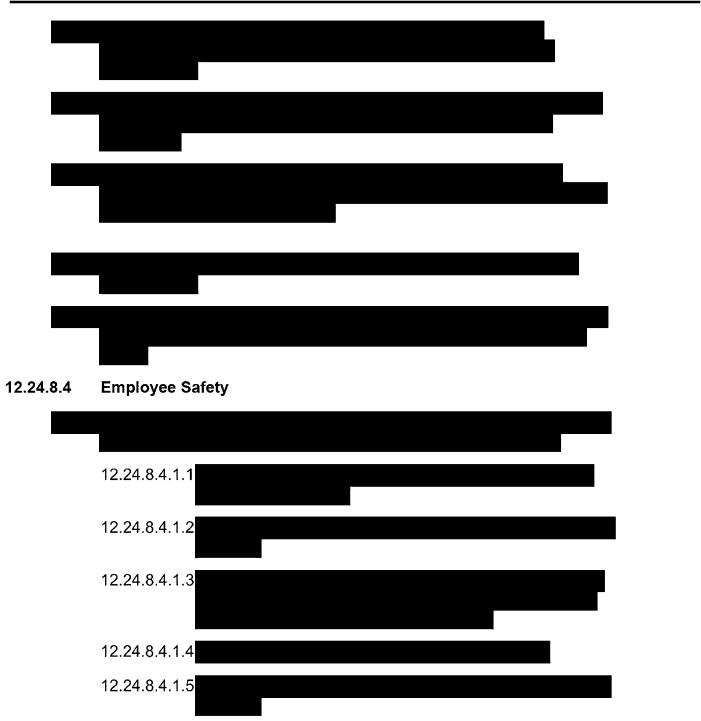


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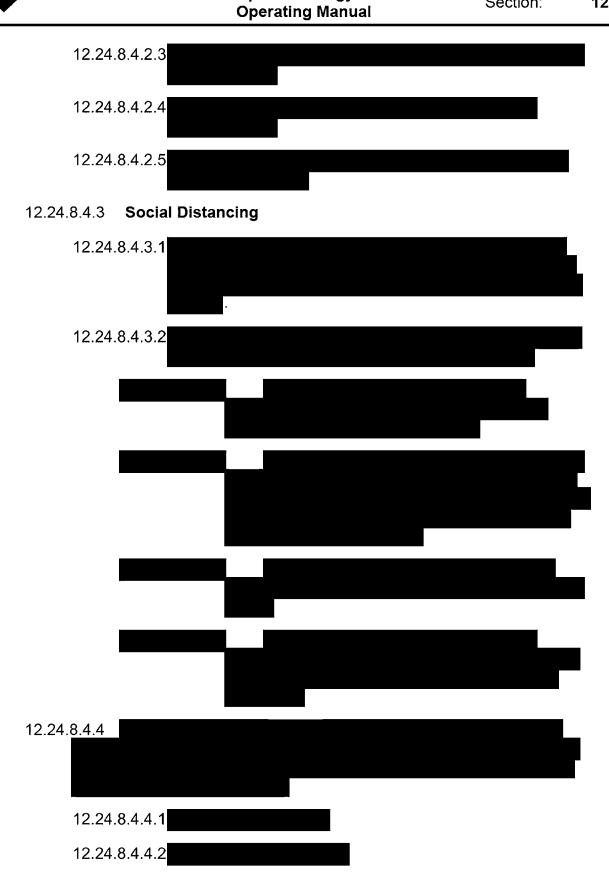
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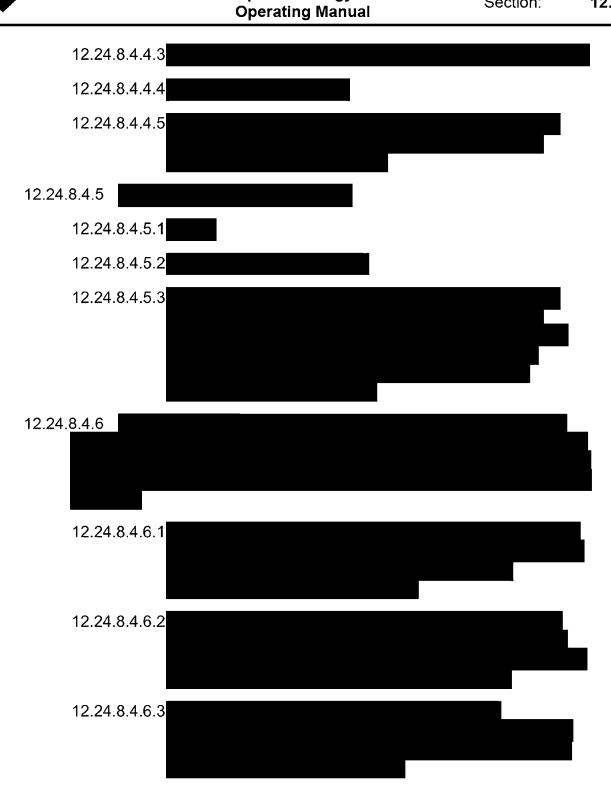


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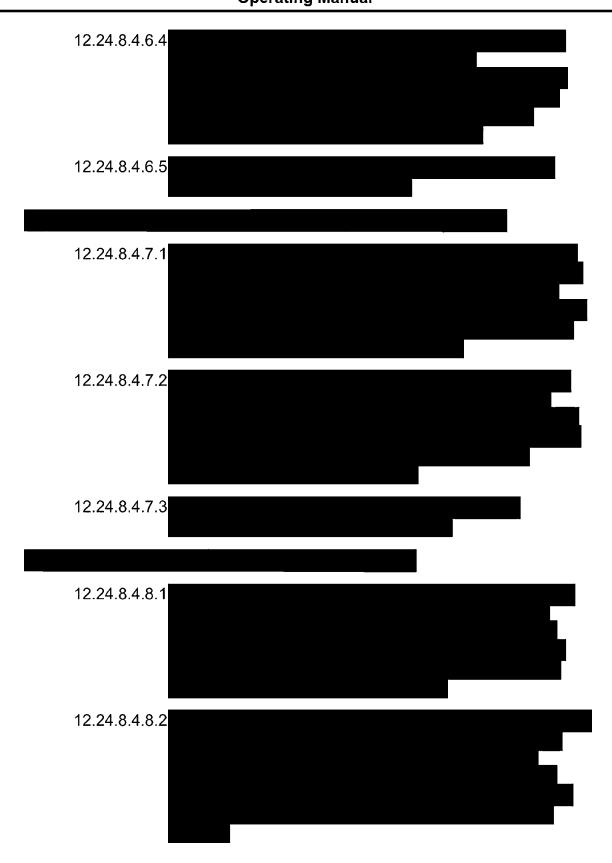


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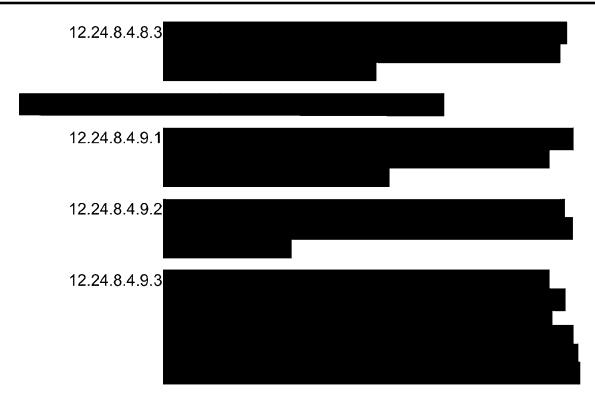


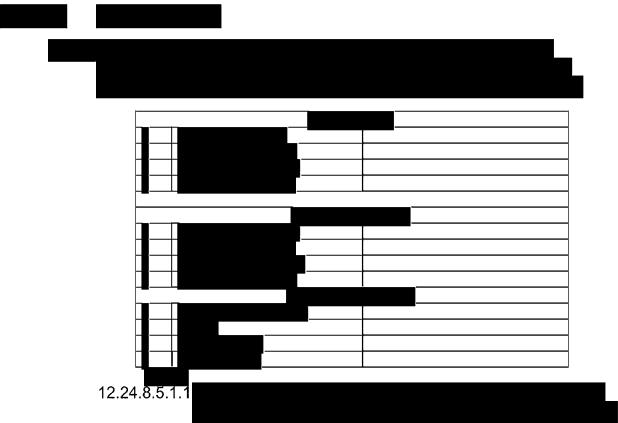
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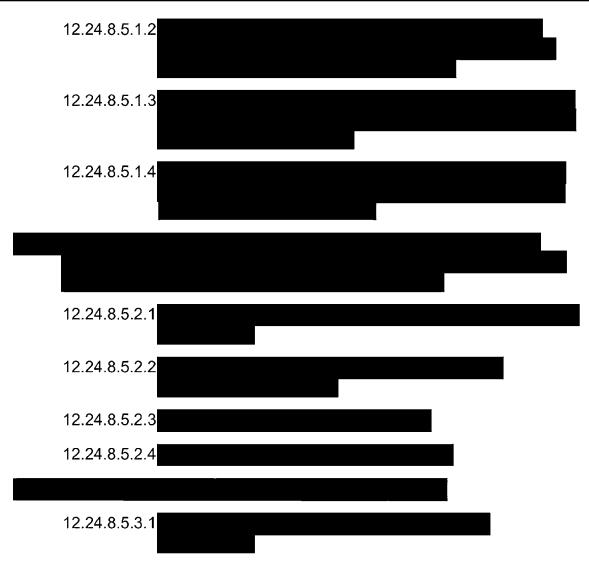






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#### 12.24.8.6 Operational Plans for Personnel Shortage



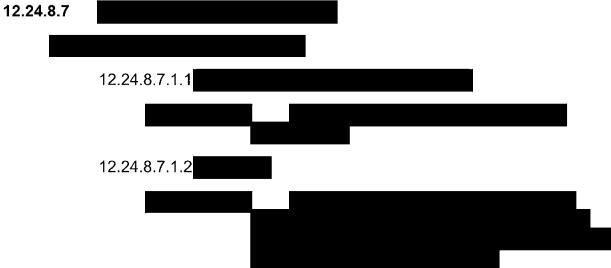
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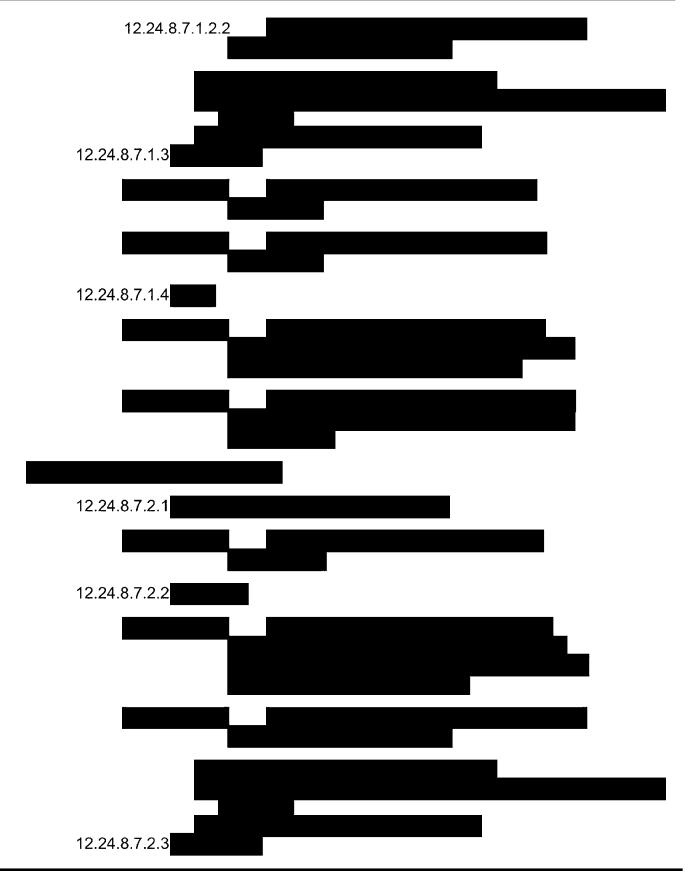








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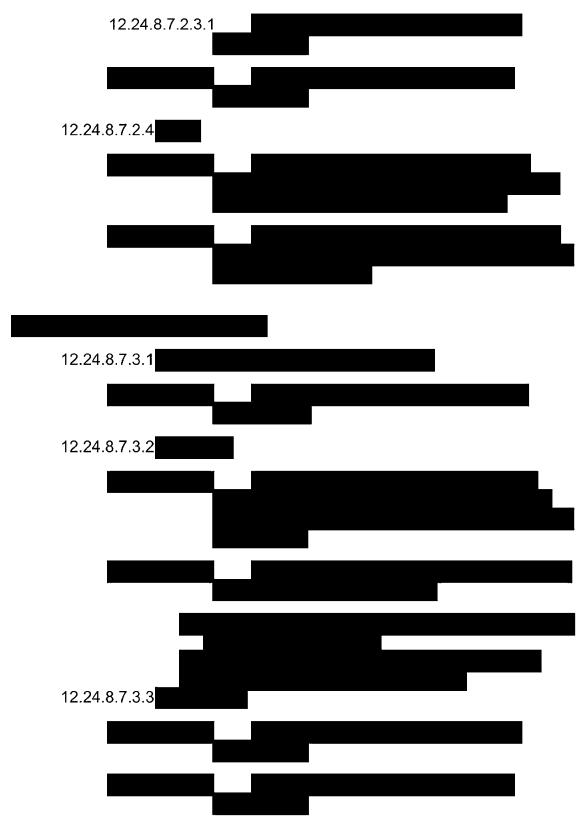


**Operating Manual** 

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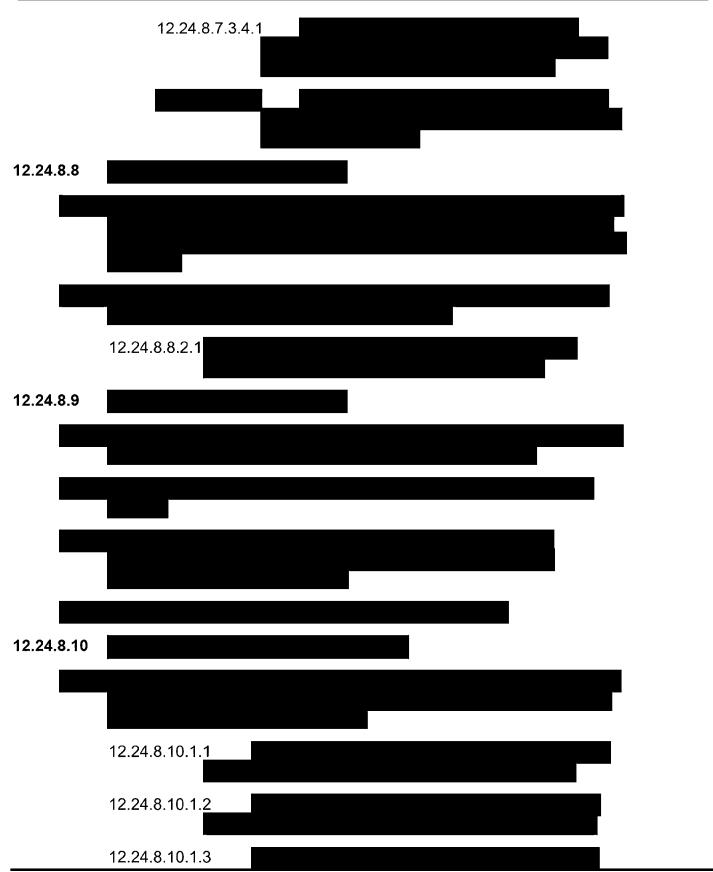
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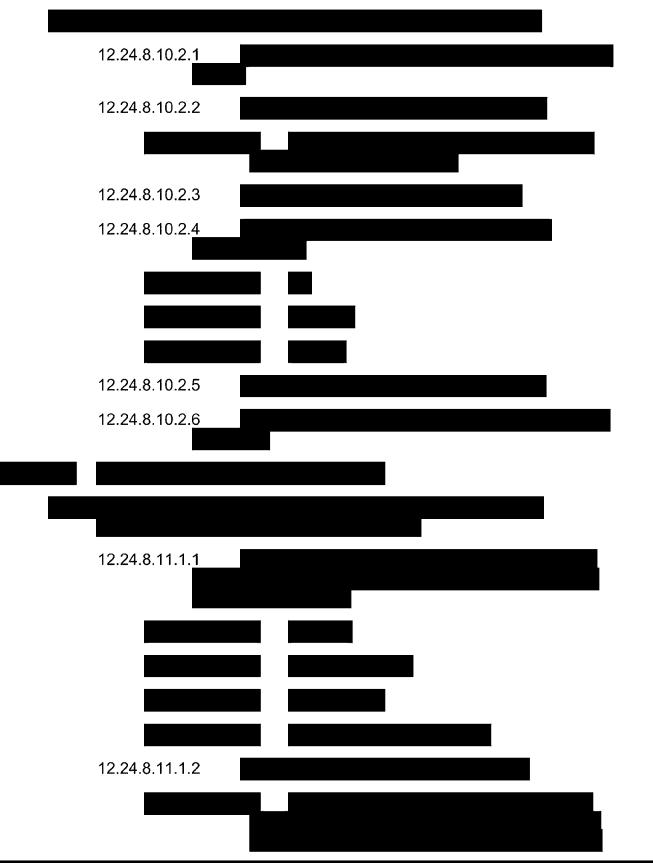
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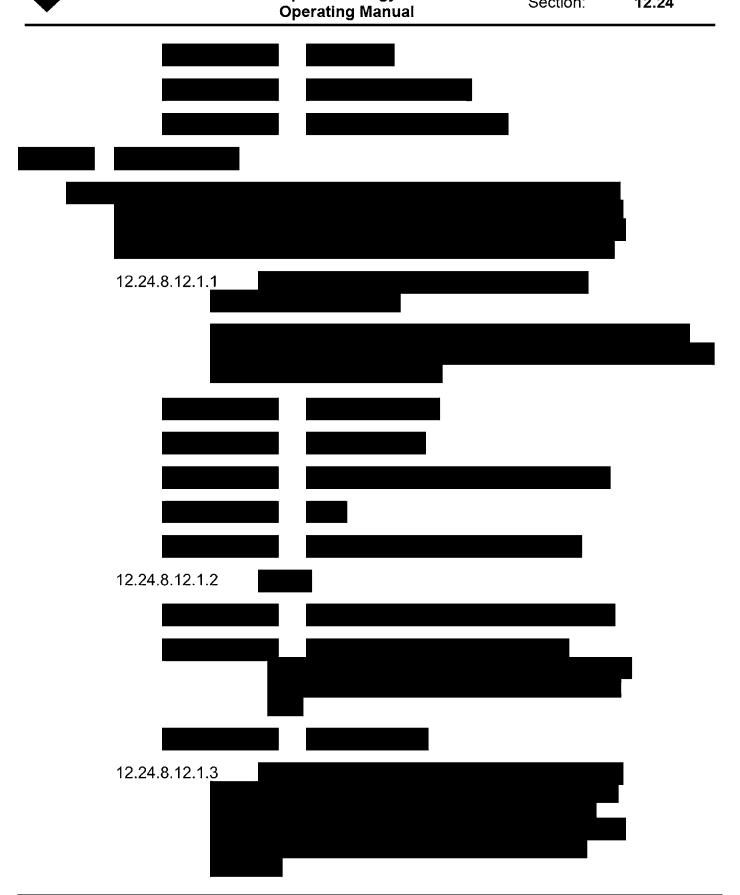




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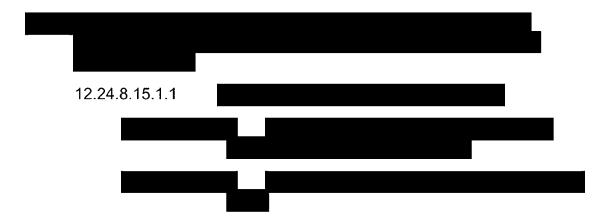
#### 12.24.8.13 Station Shutdown Consideration



#### 12.24.8.14 Human Resources



#### 12.24.8.15 Recovery





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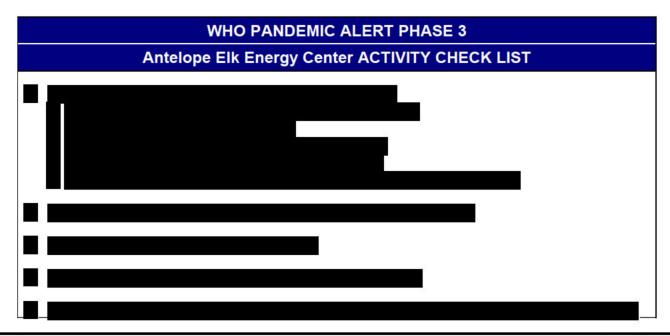
#### 12.24.8.16 Pandemic Response Activity Checklists

As the pandemic threat progresses through the World Health Organization's pandemic alert phases, there are response activities for protecting Antelope Elk Energy Center personnel. These actions are triggered by a change in the alert phases.

The following tables serve as guides, and provide activity check lists with the appropriate WHO pandemic alert phases. The Station Management should review these check lists and initiate action items when deemed necessary.

## WHO PANDEMIC PHASES 1 & 2 Antelope Elk Energy Center ACTIVITY CHECK LIST

The first two WHO pandemic alert phases pose no significant threat to the Antelope Elk Energy Center. It is business as usual and there are no suggested response activities.



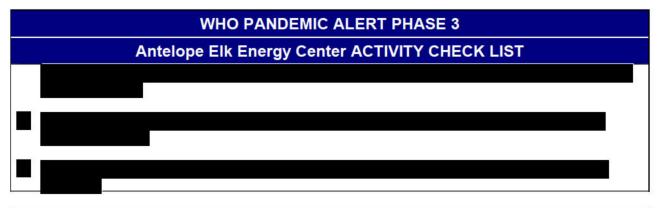
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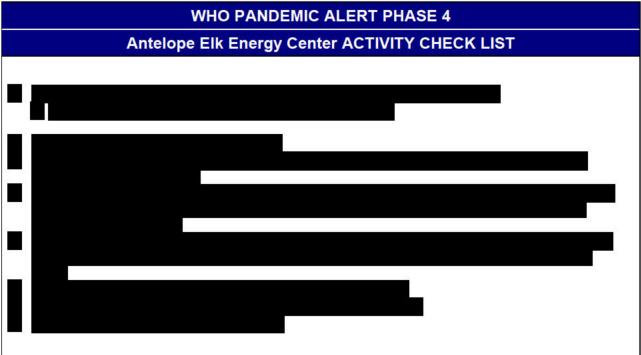


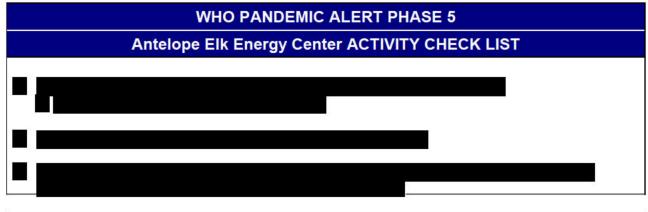
### Epidemic & Pandemic Plan

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WHO PANDEMIC ALERT PHASE 6
Antelope Elk Energy Center ACTIVITY CHECK LIST

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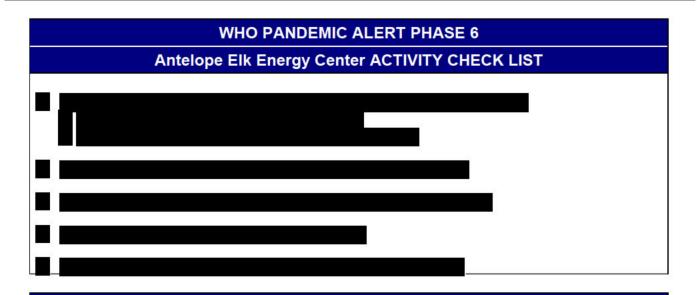
#### Epidemic & Pandemic Plan Antelope Elk Energy Center

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# The pandemic is predicted to occur in two or three waves, each wave being separated by a few months. After each wave subsides, the following activities should take place. Antelope Elk Energy Center ACTIVITY CHECK LIST

RECOVERY PHASE

# OTHER ITEMS TO CONSIDER 12.24.9 TRAINING

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#### 12.24.10 REVIEW REQUIREMENTS



#### 12.24.11 REFERENCES

The following references were used as technical guides in the preparation of this document.

#### NRG: OPO-039 - Infectious Disease and Pandemic Response Plan

Infectious Disease and Pandemic Response Plan

#### **Department of Homeland Security**

- Pandemic Influenza, Guide for Critical Infrastructure and Key Resources
- Department of Homeland Security

#### North American Electric Reliability Council (NERC)

- Electricity Sector Influenza Pandemic Threat Summary
- Critical Infrastructure Protection Committee Avian flu Pandemic Scope (issued as draft 1 and draft 2)
- Critical Infrastructure Protection Committee Electric Sector Avian flu Pandemic Preparedness and Response Reference Guide
- Electricity Sector Influenza Pandemic Threat Summary

#### US Department of Health and Human Services

Pandemic Planning Update

#### Homeland Security Council

National Strategy for Pandemic Influenza

#### Center for Disease Control (CDC)

Business Pandemic Influenza Planning Checklist

#### San Francisco Department of Public Health

Pandemic Influenza Business Continuity Guide and Template for Business

#### World Health Organization (WHO)

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#### ATTACHMENT 1 - AEEC CONTACT LIST



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#### ATTACHMENT 3 – STATION PERSONNEL QUALIFICATIONS

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#### **ATTACHMENT 4 - EMPLOYEE STATUS**

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#### **ATTACHMENT 5 – LOCKDOWN ADDENDUM**

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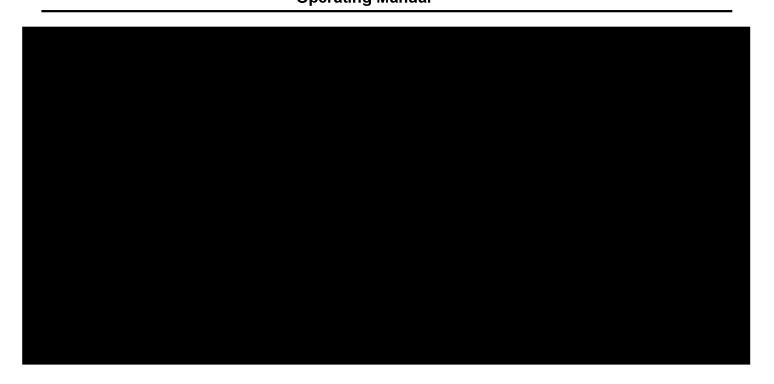
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# Appendix F Golden Spread Panhandle Wind Ranch Procedures



# Panhandle Wind Ranch Operations Manual Emergency Operations Plan Restoration of Service EOP-14

Wildorado, Texas

Rev	Date	Prepared By	Reviewed By	Approved By
0	04-04-2022	NRG Energy	J. Wilde	M. Greeno

#### **Procedure Revision Summary**

1.	Document and Revision Number: Procedure EOP-14 Rev. 0
2.	Document Title: Restoration of Service
3.	Effective Date: 04-04-2022
4. Rev 0	Document Change: Initial draft for procedure
5.	Training Requirements:  Required reading for all affected personnel.  The precautions to be observed by operating staff personnel during their work within the plant.

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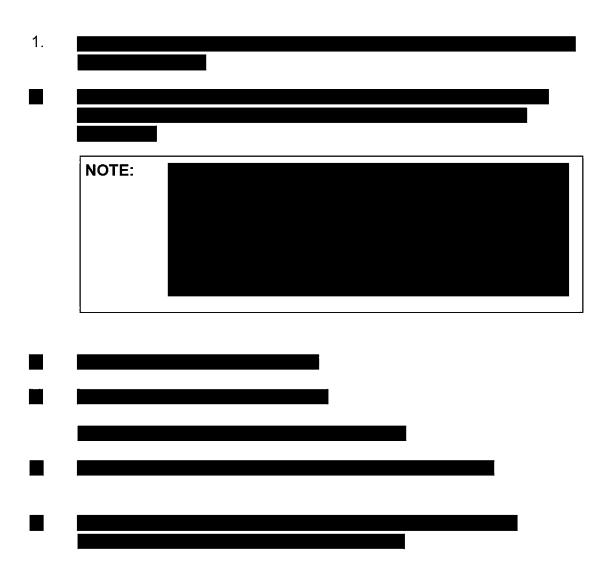
SEC <sup>-</sup>	<u>TION                                    </u>	<u>PAGE</u>
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4.0	IMMEDIATE ACTIONS	6
5.0	SUPPLEMENTARY ACTIONS	6
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1.0	PURPOSE
2.0	DEFINITIONS
	Emergency (PUCT Definition) – a situation in which the known, potential consequences of a hazard or threat are sufficiently imminent and severe that an entity should take prompt action to prepare for and reduce the impact of harm that may result from the hazard or threat. The term includes an emergency declared by local, state, or federal government, or MRO or another reliability coordinator designated by the North American Electric Reliability Corporation and that is applicable to the entity.
	<b>Hazard (PUCT Definition)</b> – a natural, technological, or human-caused condition that is potentially dangerous or harmful to life, information, operations, the environment, or property, including a condition that is potentially harmful to the continuity of electric service.

**Threat (PUCT Definition)** – the intention and capability of an individual or organization to harm life, information, operations, the environment, or property, including harm to the continuity of electric service.

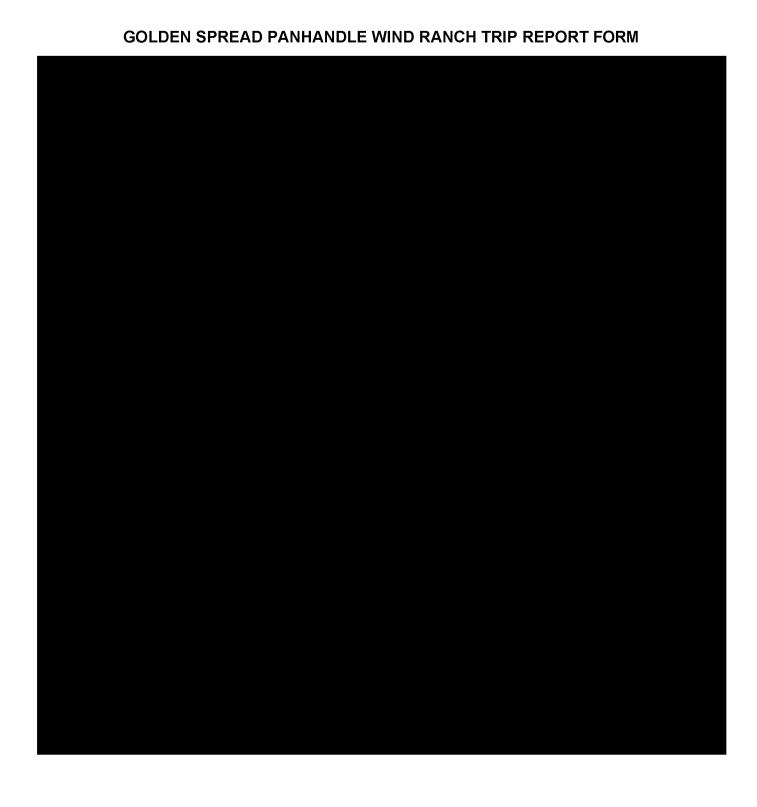
3.0 **POSSIBLE CAUSES** 4.0 **IMMEDIATE ACTIONS** 

#### 5.0 SUPPLEMENTARY ACTIONS



#### 6.0 ATTACHMENTS

1. Trip Report Form (See next page)



NOTES:



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## GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans

#### GSPWR-HS-01 Emergency Action Plan

# Golden Spread Panhandle Wind Ranch LLC. GSPWR

# EMERGENCY ACTION PLAN

FOR USE AT:

**Golden Spread Panhandle Wind Ranch** 

April 2022

APPROVED BY: Michael Greeno, Wind Site Manager



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#### GSPWR-HS-01 Emergency Action Plan

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#### LIST OF ACRONYMS AND ABBREVIATIONS

EAP Emergency Action Plan

ERC Emergency Response Coordinator

ERP Emergency Response Plan

EPA Environmental Protection Agency

FEMA Federal Emergency Management Agency

IC Incident Commander

ICS Incident Command System

OSHA Occupational Safety and Health Administration

O&M Operations and Maintenance

RQ Reportable Quantity
SPOC Single Point of Contact

SPCC Spill Prevention Control and Countermeasures Plan

SWPPP Storm Water Pollution Prevention Plan

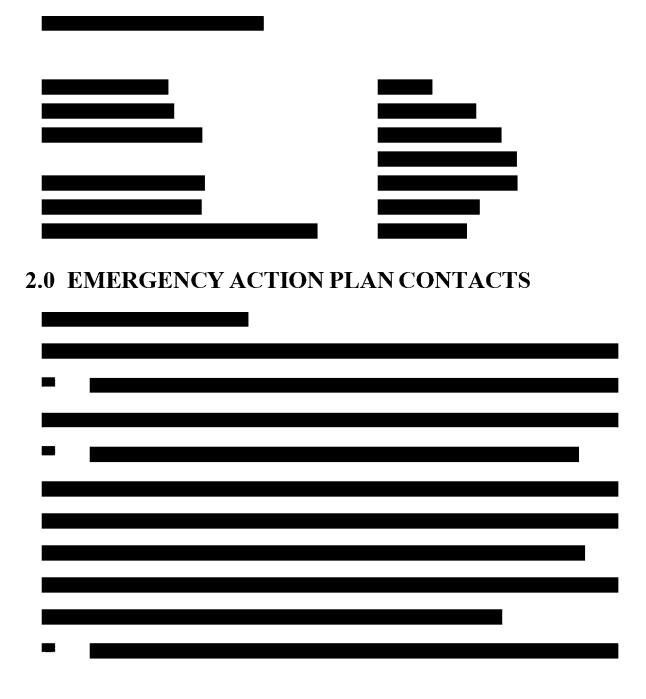
TCEQ Texas Commission on Environmental Quality



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**GSPWR-HS-01** Emergency Action Plan

#### 1.0 GENERAL FACILITY INFORMATION





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#### GSPWR-HS-01 Emergency Action Plan

Outside Responder Numbers:
General Emergency Hotline
Police Department: Oldham County Sheriff
Potter County Sheriff
Fire: dial 911 911
Fire: Potter County (Central Station)(806) 383-3373
Ambulance: 911
Hospital: Baptist St. Anthony's
Clinic: Concentra Urgent Care
Federal Bureau of Investigation – Dallas(972) 559-5000
Regulatory Agency Numbers:
Regulatory Agency Numbers:  TCEQ Emergency Release Hotline
TCEQ Emergency Release Hotline
TCEQ Emergency Release Hotline
TCEQ Emergency Release Hotline       (800) 832-8224         Or       (512) 563-7727         National Response Center       (800) 424-8802
TCEQ Emergency Release Hotline       (800) 832-8224         Or       (512) 563-7727         National Response Center       (800) 424-8802         TCEQ Region 1 Spill Reporting       (800) 832-8224
TCEQ Emergency Release Hotline       (800) 832-8224         Or       (512) 563-7727         National Response Center       (800) 424-8802         TCEQ Region 1 Spill Reporting       (800) 832-8224         Oldham County LEPC       (806) 267-2671
TCEQ Emergency Release Hotline       (800) 832-8224         Or       (512) 563-7727         National Response Center       (800) 424-8802         TCEQ Region 1 Spill Reporting       (800) 832-8224         Oldham County LEPC       (806) 267-2671         Potter County LEPC       (806) 378-9377
TCEQ Emergency Release Hotline       (800) 832-8224         Or       (512) 563-7727         National Response Center       (800) 424-8802         TCEQ Region 1 Spill Reporting       (800) 832-8224         Oldham County LEPC       (806) 267-2671         Potter County LEPC       (806) 378-9377         Oldham/Potter County Spill Line       911



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#### GSPWR-HS-01 Emergency Action Plan





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#### GSPWR-HS-01 Emergency Action Plan



The Facility has no customers that would need to be contacted in the event of an emergency.

#### Spill Response and Cleanup Contractor:

Sabotage Reporting	
OCC EOP-004- 02	
Oldham County Sheriffs Dept	911

#### 3.0 PREFACE

This Emergency Action Plan (EAP or Plan) has been designed to establish practices and procedures for the Golden Spread Panhandle Wind Ranch in the event of an emergency and has been developed to address elements in 29 CFR 1910.120(q)(2). This Plan is supported by a set of implementing procedures and additional plans as listed in this section. The elements that are required to be included in the Plan are identified and cross-referenced in **Table 3-1**.