

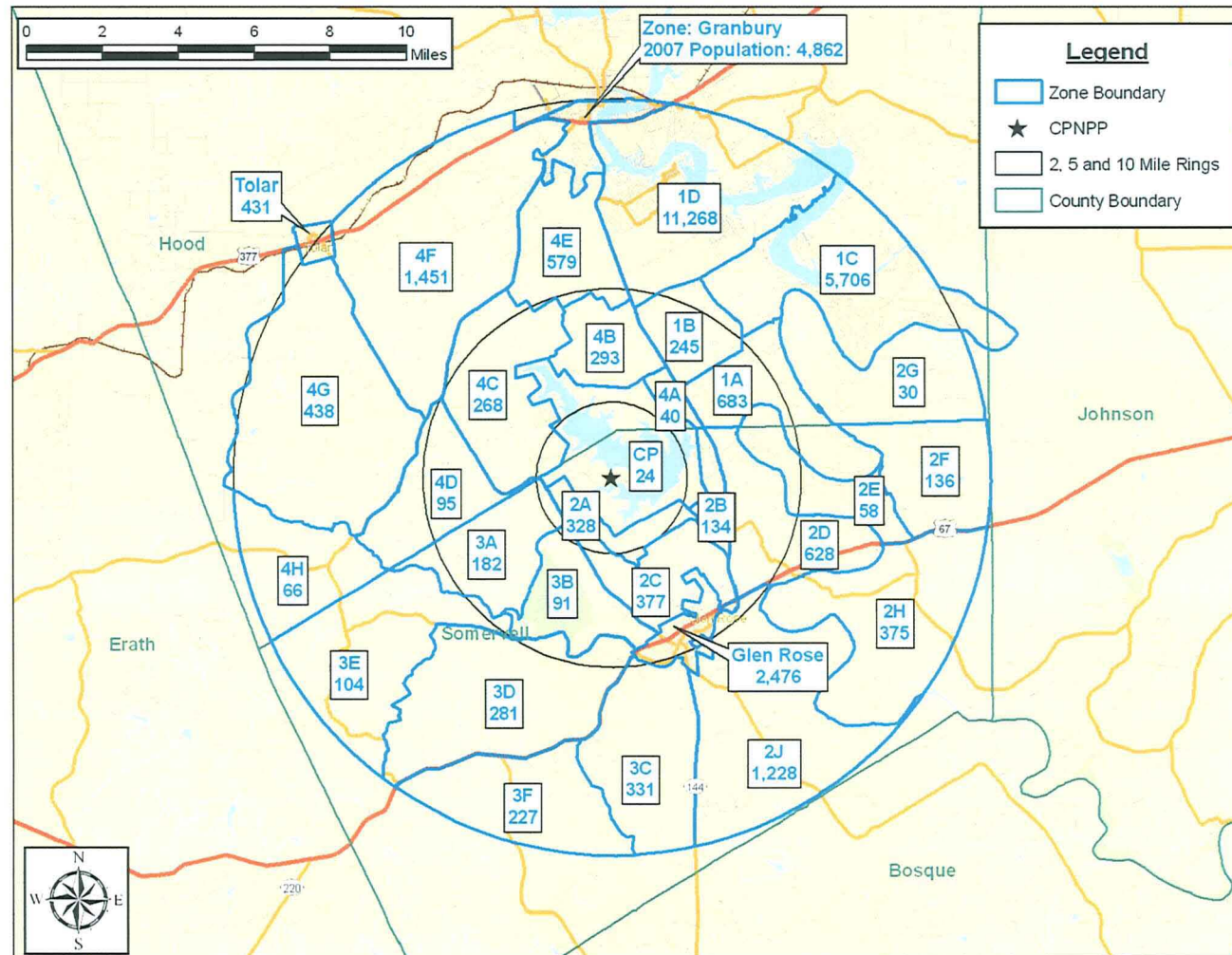
**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

The following figures illustrate selected information from the ETE:

- Figure A4-1 illustrates the Plume Exposure Pathway EPZ, including the permanent resident population of each emergency response planning area.
- Figure A4-2 illustrates the permanent resident population of the Plume Exposure Pathway EPZ in a sector format
- Figure A4-3 illustrates the locations of reception centers assumed for conduct of the ETE.
- Figure A4-4 illustrates the evacuation routes for the Plume Exposure Pathway EPZ population in Somervell County.
- Figure A4-5 illustrates the evacuation routes for the Plume Exposure Pathway EPZ population in Hood County

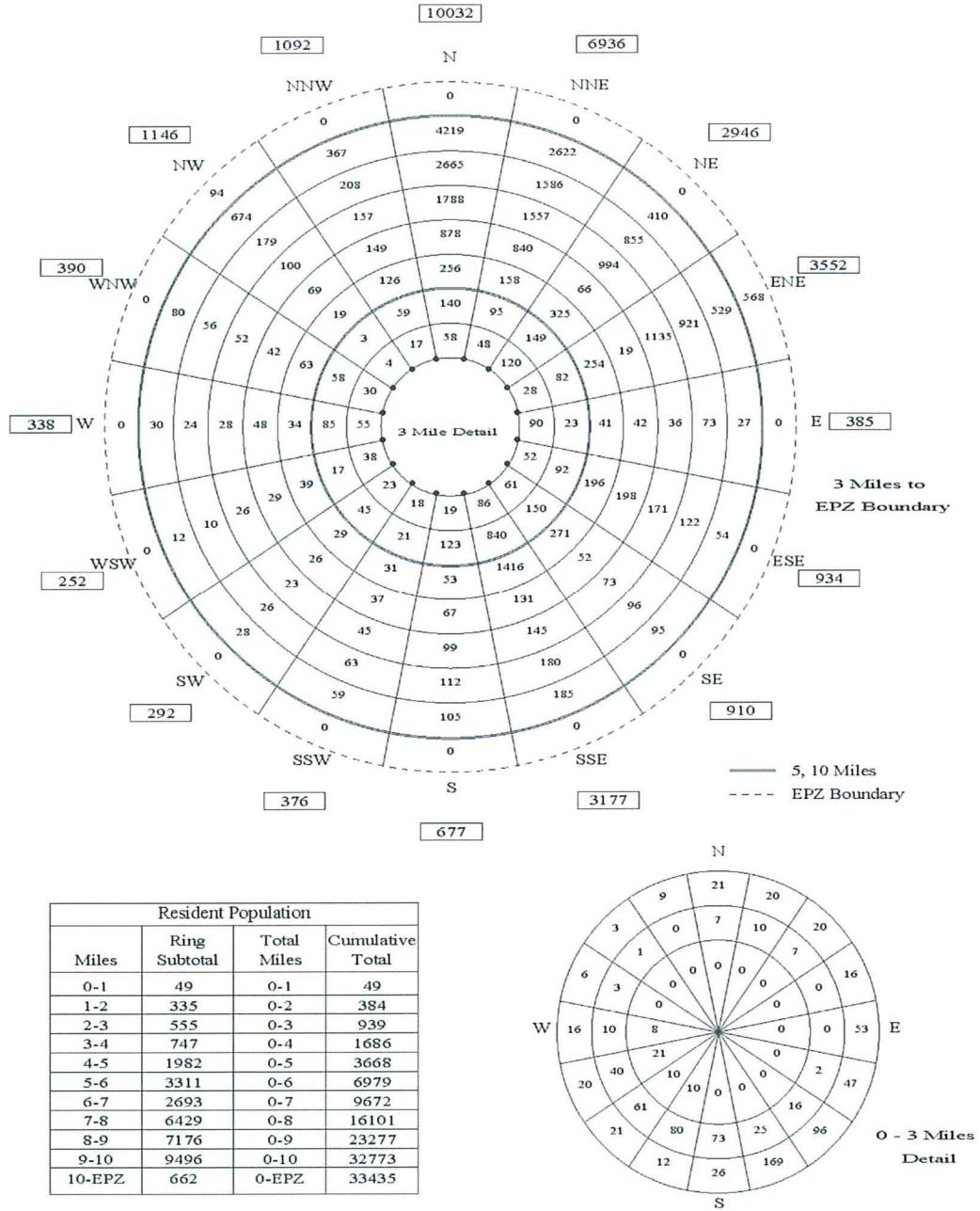
Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Figure A4-1 – Plume Exposure Pathway EPZ and Permanent Resident Population by Emergency Response Planning Areas



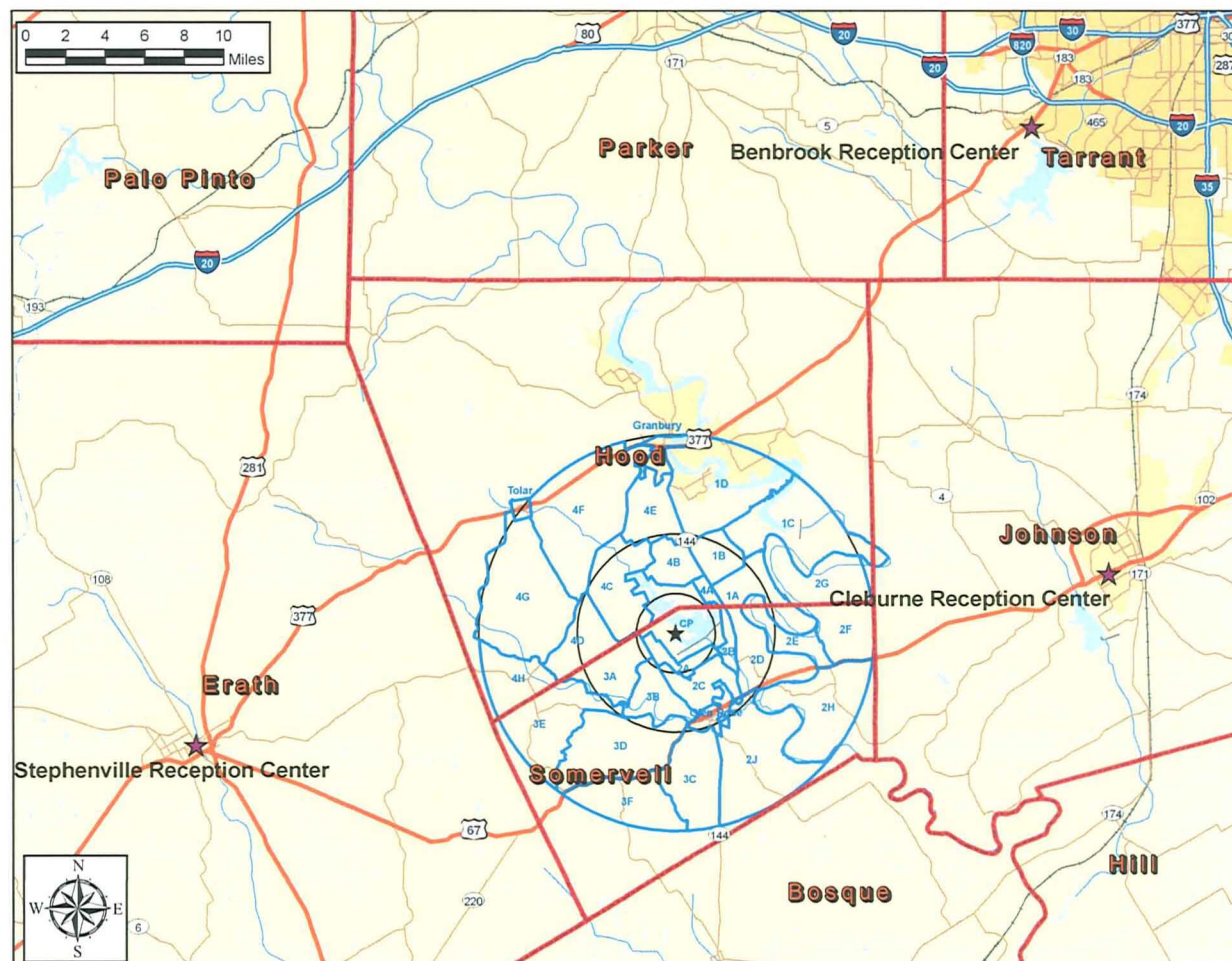
Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Figure A4-2 – Plume Exposure Pathway EPZ Permanent Resident Population by Sector



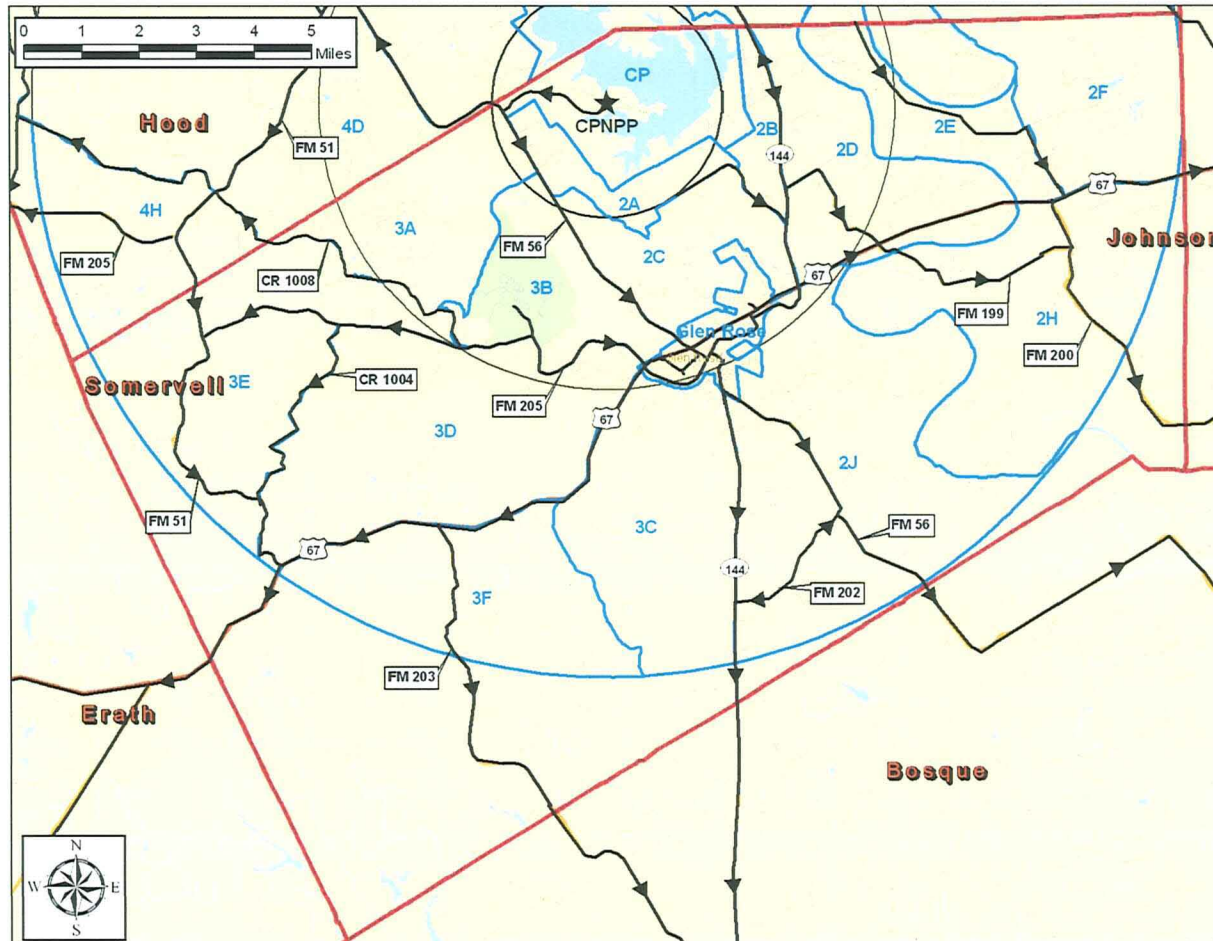
**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Figure A4-3 – Locations of Reception Centers



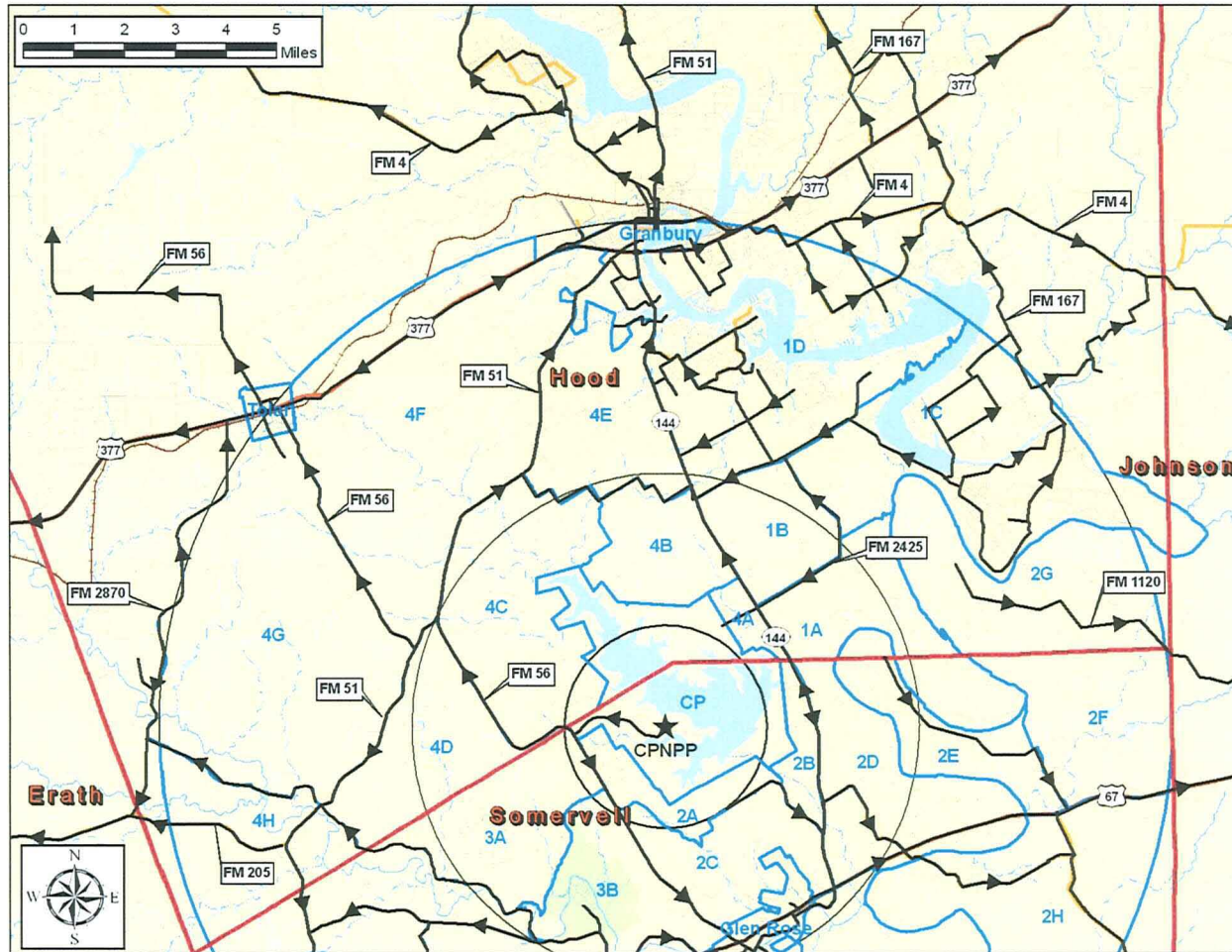
Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Figure A4-4 – Plume Exposure Pathway EPZ Evacuation Routes – Somervell County



Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Figure A4-5 – Plume Exposure Pathway EPZ Evacuation Routes – Hood County



**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Appendix 5 – Emergency Plan Procedures

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

EPPs address a range of actions needed to implement the contents of this Plan. The EPPs address, at a minimum, the following topics:

EPP Topic	Corresponding COL Emergency Plan Section(s)
Assessment of Emergency Action Levels, Emergency Classification and Plan Activation	Section II.D
Notifications	Sections II.A.1, II.E, II.L.1
Emergency Communications Systems and Equipment	Section II.F
Protective Action Recommendations	Sections II.J.7, II.J.10
Activation and Operation of the Technical Support Center (TSC)	Sections II.A.1, II.B, II.E.2, II.H.1
Activation and Operation of the Operations Support Center (OSC)	Sections II.A.1, II.B, II.E.2, II.H.1
Activation and Operation of the Emergency Operations Facility (EOF)	Sections II.A.1, II.B, II.E.2, II.H.1
Activation and Operation of the Joint Information Center (JIC)	Section II.G.3
Evacuation and Accountability	Sections II.A.1, II.J.2, II.J.4, II.J.5
Core Damage Assessment	Section II.I
On-Site/In-Plant Radiological Surveys and Off-Site Radiological Monitoring	Section II.B.5, II.I.7
Use of Thyroid Blocking Agents	Section II.J.6
Emergency Exposure Guidelines and Personnel Dosimetry	Sections II.K.2, II.K.3
Decontamination	Sections II.K.5, II.K.7
Obtaining and Analyzing High Activity Samples Under Emergency Conditions	Section II.I
Emergency Media Relations	Section II.G
Reentry, Recovery, and Closeout	Section II.M
Duties and Responsibilities of the Emergency Coordinator / Recovery Manager	Sections II.B, II.M
Emergency Repair and Damage Control and Immediate Entries	Section II.O

Additional plant procedures address various activities that are required to support the ongoing maintenance of emergency preparedness. These supporting procedures are not included within the body of the EPPs. These supporting procedures address, at a minimum, the following topics:

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

- Emergency Equipment Inventory and Operational Tests (see Plan Section II.H.10)
- Conduct of Emergency Drills and Exercises (see Plan Section II.N)
- Testing of Emergency Communications Systems (see Plan Sections II.N, II.F)
- Emergency Preparedness Training (see Plan Sections II.G.5, II.O, II.P.1)
- Maintaining Emergency Preparedness (see Plan Section II.P)

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Appendix 6 – Emergency Equipment and Supplies

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Luminant establishes and maintains inventories of emergency response equipment and supplies in on-site and off-site facilities, cabinets, and footlockers for use by emergency response personnel in the ERFs and by Luminant's off-site field monitoring teams. On-site, this equipment is stored in such places as the CR, TSC, OSC, EOF and NOSF. Off-site, this equipment is staged in such places as County Emergency Operating Centers (EOCs), hospitals, and reception centers.

Self-Contained Breathing Apparatus (SCBAs) and supplementary SCBA bottles are maintained for the CR. SCBAs are also maintained at the NOSF.

Luminant vehicles equipped with radiological monitoring equipment are available for use by Off-site Field Monitoring Teams. Off-site field monitoring kits are located in the NOSF. The kits contain supplies and equipment listed below.

The specific type and amount of equipment and supplies in each on-site or off-site facility, location, or kit is identified on a facility inventory worksheet. The inventory worksheet is prescribed by and maintained in accordance with an EPP. The actual inventories are based on the activities that occur in, or are dispatched from, each individual facility.

The following listing, by category, represents typical emergency response equipment and supplies maintained:

Personal Protection and Dosimetry

Coveralls, shoe covers, gloves, hoods

Thyroid Blocking Drugs (KI)

Thermoluminescent Dosimeters (TLDs), dosimeters

Respiratory Protection Equipment

Extra Clothing

Radiological Monitoring

Geiger-Mueller (GM) and Ionization Chamber instruments (e.g. count rate and dose rate survey instruments)

Air Sampler, equipped with sampler head for particulates and silver zeolite collectors

Particulate filter and silver zeolite cartridges

Contamination Control

Modesty clothing, plastic bags, signs/barricades, Step-Off Pads, tape, decontamination supplies

Communications

Vehicle-installed radios, base stations, handheld radios

Miscellaneous

Portable Lights

Computer equipment

Instrument check source

Plans, procedures, and drawings

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Clerical supplies, Maps, Clipboards, Tweezers
Radiological control posting and warning supplies
Batteries and Other Expendables
First-aid supplies

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Appendix 7 – Certification Letters and Letters of Agreement

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**



M. L. Lucas
Vice President, Nuclear Engineering
& Support
mlucas3@luminant.com

Luminant Power
P O Box 1002
6322 North FM 56
Glen Rose, TX 76043

T 254 897 6731
C 254 258 2867
F 254 897 6652

CP-200800857
Log # TXNB-08023

RECEIVED JUN 25 2008

June 19, 2008

Jack Colley, Chief
Governor's Division of Emergency Management
Texas Department of Public Safety
P.O. Box 4087
Austin, Texas 78773-0220

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 and 4
CERTIFICATION OF EMERGENCY PLANNING ACTIVITIES

RECEIVED

JUL 28 2008

M.L. Lucas

As previously indicated in public announcements and meetings, Luminant Generation Company LLC (Luminant Power) is developing a Combined License (COL) application for submission to the U.S. Nuclear Regulatory Commission (NRC), consistent with the requirements of 10 CFR 52, for two additional units at Comanche Peak Nuclear Power Plant near Glen Rose, Texas. The purpose of this initiative is to develop a COL application that will ultimately lead to NRC approval to construct and operate two commercial nuclear generating units at the site.

A key part of this COL application is the development of emergency plans which provide information sufficient to demonstrate compliance with pertinent regulatory requirements. These plans take credit, to the extent practical, for the site, federal, state, and local plans already in place for the operating units at the Comanche Peak site. With the cooperation of affected state and local agencies, Luminant Power has developed Part 5 of the COL application, the "Comanche Peak Nuclear Power Plant Units 3 and 4 Combined License Application Emergency Plan," Revision C dated May 2008. The emergency plan includes the emergency classification system required by 10 CFR 50. Luminant Power used nuclear industry guidance to develop a set of initiating conditions and emergency action levels consistent with this emergency classification system and appropriate to the proposed nuclear plant design.

In addition to the COL Emergency Plan, evacuation time estimates have been developed with input from various state and local government agencies. The evacuation time estimate report is included in Part 5 of the COL application.

These products have been presented to and discussed with representatives from the Texas Department of State Health Services and your organization.

Emergency planning provisions of 10 CFR 52 and the COL application process require that Luminant Power make good faith efforts to obtain certifications from the local and state governmental agencies

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

GDEM, Texas Department of Public Safety
CP-200800857
TXNB-06023
Page 2
June 19, 2008

with emergency planning responsibilities. At this time, we are seeking certification from the Governor's Division of Emergency Management (GDEM), Texas Department of Public Safety that:

- o the proposed emergency plans are practicable;
- o it is committed to participating in any further development of the plans, including any required field demonstrations; and
- o it is committed to executing its responsibilities under the plans in the event of an emergency.

The actual emergency planning arrangements would be finalized in a letter of agreement at a later stage in the new facilities' licensing process.

GDEM's participation in these emergency planning efforts is greatly appreciated. Please sign and return the attached certification. Your signature also indicates that you concur with the emergency classification system, initiating conditions, emergency action levels, and evacuation time estimates proposed in the Comanche Peak Units 3 and 4 Combined License Emergency Plan .

Sincerely,

Luminant Generation Company, LLC



M. L. Lucas

Attachment - Emergency Planning Certification

c - Greg Kelly, Luminant Development
Mike Blevins, Luminant Power
Jeff Simmons, Luminant Development
Matt Bozeman, Luminant Power
Rafael Flores, Luminant Power

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

GDEM, Texas Department of Public Safety
CP-200800157
TXNIB-08023
Attachment
June 19, 2008]

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

The Governor's Division of Emergency Management (GDEM), Texas Department of Public Safety has reviewed the emergency plan supporting the Combined License Application for two new nuclear generating units at the Comanche Peak Nuclear Power Plant site and certifies that:

- o although this reactor design has not been built and operated in the United States, the proposed emergency plans are practicable;
- o GDEM is committed to participating in further development of the plans, including any required field demonstrations; and
- o GDEM is committed to executing its responsibilities under the plans in the event of an emergency.

Furthermore, GDEM concurs with the proposed emergency classification system, initiating conditions, emergency action levels described in the Combined License Application Emergency Plan and evacuation time estimates provided in "Comanche Peak Nuclear Power Plant Development of Evacuation Time Estimates" dated April 2008.

It is my understanding that the specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of this nuclear facility.

Jack C. ...
Print Name

Signature
Chief, EMD
Title

7/22/08
Date

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**



M. L. Lucas
Vice President, Nuclear Engineering
& Support
mlucas3@luminant.com

Luminant Power
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CP-200800858
Log # TXNB-08022

June 19, 2008

Andy Rash, Hood County Judge
100 E. Pearl St., Room 7
Granbury, Texas 76048

**SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 and 4
CERTIFICATION OF EMERGENCY PLANNING ACTIVITIES**

Dear Judge Rash:

As previously indicated in public announcements and meetings, Luminant Generation Company LLC (Luminant Power) is developing a Combined License (COL) application for submission to the U.S. Nuclear Regulatory Commission (NRC), consistent with the requirements of 10 CFR 52, for two additional units at Comanche Peak Nuclear Power Plant near Glen Rose, Texas. The purpose of this initiative is to develop a COL application that will ultimately lead to NRC approval to construct and operate two commercial nuclear generating units at the site.

A key part of this COL application is the development of emergency plans which provide information sufficient to demonstrate compliance with pertinent regulatory requirements. These plans take credit, to the extent practical, for the site, federal, state, and local plans already in place for the operating units at the Comanche Peak site. With the cooperation of affected state and local agencies, Luminant Power has developed Part 5 of the COL application, the "Comanche Peak Nuclear Power Plant Units 3 and 4 Combined License Application Emergency Plan," Revision C dated May 2008. The emergency plan includes the emergency classification system required by 10 CFR 50. Luminant Power used nuclear industry guidance to develop a set of initiating conditions and emergency action levels consistent with this emergency classification system and appropriate to the proposed nuclear plant design.

In addition to the COL Emergency Plan, evacuation time estimates have been developed with input from various state and local government agencies. The evacuation time estimate report is included in Part 5 of the COL application.

These products have been presented to and discussed with you and your representatives from Hood County.

Emergency planning provisions of 10 CFR 52 and the COL application process require that Luminant Power make good faith efforts to obtain certifications from the local and state governmental agencies with emergency planning responsibilities. At this time, we are seeking certification from Hood County that:

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JUN 30 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Hood County
CP-200800858
TXNB-08022
Page 2
June 19, 2008

- o the proposed emergency plans are practicable;
- o it is committed to participating in any further development of the plans, including any required field demonstrations; and
- o it is committed to executing its responsibilities under the plans in the event of an emergency.

The actual emergency planning arrangements would be finalized in a letter of agreement at a later stage in the new facilities' licensing process.

Hood County's participation in these emergency planning efforts is greatly appreciated. Please sign and return the attached certification. Your signature also indicates that you concur with the emergency classification system, initiating conditions, emergency action levels, and evacuation time estimates proposed in the Comanche Peak Units 3 and 4 Combined License Emergency Plan .

Sincerely,

Luminant Generation Company, LLC



M. L. Lucas

Attachment - Emergency Planning Certification

c - Greg Kelly, Luminant Development
Mike Blevins, Luminant Power
Jeff Simmons, Luminant Development
Matt Bozeman, Luminant Power
Rafael Flores, Luminant Power

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Hood County
CP-200800858
TXNB-08021
Attachment
June 19, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

Hood County has reviewed the emergency plan supporting the Combined License Application for two new nuclear generating units at the Comanche Peak Nuclear Power Plant site and certifies that:

- o Hood County believes that the proposed emergency plans are practicable;
- o Hood County is committed to participating in further development of the plans, including any required field demonstrations; and
- o Hood County is committed to executing its responsibilities under the plans in the event of an emergency.

Furthermore, Hood County concurs with the proposed emergency classification system, initiating conditions, emergency action levels described in the Combined License Application Emergency Plan and evacuation time estimates provided in "Comanche Peak Nuclear Power Plant Development of Evacuation Time Estimates" dated April 2008.

It is my understanding that the specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of this nuclear facility.

ANDY RASH
Print Name

Andy Rash
Signature

6/25/08
Date

County Judge
Title

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**



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CP-200800856
Log # TXNB-08021

June 19, 2008

Walter Maynard, Somervell County Judge
P.O. Box 851
Glen Rose, Texas 76043

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 and 4
CERTIFICATION OF EMERGENCY PLANNING ACTIVITIES

Dear Judge Maynard:

As previously indicated in public announcements and meetings, Luminant Generation Company LLC (Luminant Power) is developing a Combined License (COL) application for submission to the U.S. Nuclear Regulatory Commission (NRC), consistent with the requirements of 10 CFR 52, for two additional units at Comanche Peak Nuclear Power Plant near Glen Rose, Texas. The purpose of this initiative is to develop a COL application that will ultimately lead to NRC approval to construct and operate two commercial nuclear generating units at the site.

A key part of this COL application is the development of emergency plans which provide information sufficient to demonstrate compliance with pertinent regulatory requirements. These plans take credit, to the extent practical, for the site, federal, state, and local plans already in place for the operating units at the Comanche Peak site. With the cooperation of affected state and local agencies, Luminant Power has developed Part 5 of the COL application, the "Comanche Peak Nuclear Power Plant Units 3 and 4 Combined License Application Emergency Plan," Revision C dated May 2008. The emergency plan includes the emergency classification system required by 10 CFR 50. Luminant Power used nuclear industry guidance to develop a set of initiating conditions and emergency action levels consistent with this emergency classification system and appropriate to the proposed nuclear plant design.

In addition to the COL Emergency Plan, evacuation time estimates have been developed with input from various state and local government agencies. The evacuation time estimate report is included in Part 5 of the COL application.

These products have been presented to and discussed with you.

Emergency planning provisions of 10 CFR 52 and the COL application process require that Luminant Power make good faith efforts to obtain certifications from the local and state governmental agencies with emergency planning responsibilities. At this time, we are seeking certification from Somervell County that:

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JUN 24 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Somervell County
CP-200805056
TXNB-08021
Page 2
June 19, 2008

- o the proposed emergency plans are practicable;
- o it is committed to participating in any further development of the plans, including any required field demonstrations; and
- o it is committed to executing its responsibilities under the plans in the event of an emergency.

The actual emergency planning arrangements would be finalized in a letter of agreement at a later stage in the new facilities' licensing process.

Somervell County's participation in these emergency planning efforts is greatly appreciated. Please sign and return the attached certification. Your signature also indicates that you concur with the emergency classification system, initiating conditions, emergency action levels, and evacuation time estimates proposed in the Comanche Peak Units 3 and 4 Combined License Emergency Plan .

Sincerely,

Luminant Generation Company, LLC



M. L. Lucas

Attachment - Emergency Planning Certification

- c - Greg Kelly, Luminant Development
Mike Blevins, Luminant Power
Jeff Simmons, Luminant Development
Matt Bozeman, Luminant Power
Rafael Flores, Luminant Power

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Somervell County
CP-2008-00856
TXNS 08021
Attachment
June 19, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

Somervell County has reviewed the emergency plan supporting the Combined License Application for two new nuclear generating units at the Comanche Peak Nuclear Power Plant site and certifies that:

- o Somervell County believes that the proposed emergency plans are practicable;
- o Somervell County is committed to participating in further development of the plans, including any required field demonstrations; and
- o Somervell County is committed to executing its responsibilities under the plans in the event of an emergency.

Furthermore, Somervell County concurs with the proposed emergency classification system, initiating conditions, emergency action levels described in the Combined License Application Emergency Plan and evacuation time estimates provided in "Comanche Peak Nuclear Power Plant Development of Evacuation Time Estimates" dated April 2008.

It is my understanding that the specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of this nuclear facility.

WALTER MAYNARD

Print Name

Walter Maynard

Signature

6/23/2008

Date

SOMERVELL COUNTY JUDGE

Title

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

City of Stephenville
TXNS-02012
Attestation
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

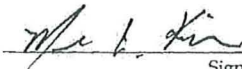
Combined License Application Emergency Plan

The City of Stephenville intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Mark A. Kaiser

Print Name



Signature

April 4, 2008

Date

City Administrator

Title

RECEIVED

~~APR 04 2008~~ *DW*

M.L. Lucas

RECEIVED

APR 08 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

City of Cleburne
PMB-08013
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The City of Cleburne intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Cherter R. Noler

Print Name

[Signature]

Signature

3-31-08

Date

City Manager

Title

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APR 02 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Lake Granbury Medical Center
TXNR-062004
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

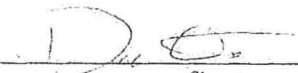
Combined License Application Emergency Plan

Lake Granbury Medical Center intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

DAVID Orcutt

Print Name



Signature

4/1/08

Date

CHIEF EXECUTIVE OFFICER

Title

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APR 02 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

DeCordova Bend Estates Acton Volunteer Fire Department
TXNB-08014
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

DCBE/Acton Volunteer Fire Department intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Paul McKinney

Print Name

Paul McKinney

Signature

3-28-08

Date

Fire Chief

Title

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APR 02 2008

M.L. Lucas

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Walls Regional Hospital
1445-06009
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

Walls Regional Hospital intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Blake Kretz

Print Name

Blake Kretz

Signature

3-31-08

Date

President

Title

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APR 03 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Somervell County Sheriff's Department
TXNB-08007
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

The Somervell County Sheriff's Department intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

GREG DOYLE
Print Name

M. Doyle
Signature

04-02-08
Date

SHERIFF
Title

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APR 03 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Grandbury Head County E.V. 11
TXNB-08005
Attachment:
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

The GHC EMS intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Verne Walker
Print Name

Verne Walker
Signature

3-31-08
Date

Director
Title

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APR 03 2008

M.L. Lucas

RECEIVED

APR 03 2008

M.L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Somervell County Volunteer Fire, Rescue & EMS
TX48-08013
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

Somervell County Volunteer Fire, Rescue & EMS intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Mark Crawford
Print Name
Mark Crawford
Signature
Fire Chief
Title

4/8/08
Date

RECEIVED

APR 14 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

American Red Cross Chisholm Trail Chapter
TXN8-08/16
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The Chisholm Trail Chapter of the American Red Cross intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

JASON A. SMITH
Print Name
[Signature]
Signature
CEO
Title

4/10/08
Date

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APR 14 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Granbury Volunteer Fire Department
LANS-98208
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

The Granbury Volunteer Fire Department intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Darrell Groben
Print Name

U. Groben
Signature

4/2/08
Date

Fire Chief
Title

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APR 14 2008
M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

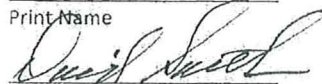
City of Granbury
TXNB-08016
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The City of Granbury intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units. The existing agreement allows for the use of space within Granbury City Hall during the event of an emergency. This concurrence statement regarding the extension of the existing agreement does not constitute the City's comprehensive support of the addition of the units. Rather, the City intends to work with Luminant Power to derive adequate and appropriate emergency plans and infrastructure to support the addition of the 2 units prior to the expansion of the Comanche Peak Nuclear Power Plant.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

David Southern
Print Name

Signature

4/16/08
Date

Mayor, City of Granbury
Title

RECEIVED

APR 17 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Tolar Volunteer Fire Department
TXNB-02011
Attachment:
March 26, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The Tolar Volunteer Fire Department intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Matt Hatzell

Print Name

Matt Hatzell

Signature

4-22-08

Date

Chief

Title

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Indian Harbor Volunteer Fire/EMS Department
TXN05-05017
Stationed:
March 18, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4
Combined License Application Emergency Plan

Indian Harbor Volunteer Fire/EMS Department intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

Randy Schmitz
Print Name
Randy Schmitz
Signature
Fire Chief
Title

4/24/08
Date

RECEIVED

APR 28 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

National Weather Service
OAH-00003
Attachment
March 28, 2008

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The National Weather Service intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

William F. Bunting
Print Name

W. F. Bunting
Signature

4/25/08
Date

Meteorologist - In Charge
Title

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APR 28 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

Hood County Sheriff's Office
TXNB-0800h
Attachment
March 28, 2008

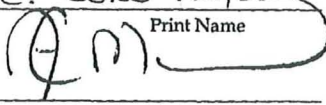
CP-200800996

Comanche Peak Nuclear Power Plant Units 3 and 4

Combined License Application Emergency Plan

The Hood County Sheriff's Office intends to work with Luminant Power to extend our existing agreement for the Comanche Peak Nuclear Power Plant site to include the two additional proposed units prior to operation of these units.

The specific nature of arrangements in support of emergency preparedness for operation of the proposed new nuclear units will be clearly established in a properly executed and binding letter of agreement that will be included in the Comanche Peak Units 3 and 4 Emergency Plan if and when Luminant Power proceeds with construction and operation of these nuclear plants.

J. E. "GENE" MAYO
Print Name

Signature

7-2-08
Date

HOOD COUNTY SHERIFF
Title

RECEIVED

JUL 23 2008

M. L. Lucas

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan**

**Appendix 8 – Cross-Reference to Regulations, Guidance, and State
and Local Plans**

Note: To a limited extent, certain details of the State of Texas and Somervell and Hood Counties' Plans may not yet reflect the addition of CPNPP Units 3 and 4. Such details are developed at a later date consistent with the commitments outlined in the certification letters listed in Appendix 7 of this Plan.

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-1 COL Emergency Plan Cross-Reference		Sheet 1 of 2
Requirement	Corresponding COL Emergency Plan Provision	
10 CFR 50.33(g)	I.C.2, II.P.6	
10 CFR 50.47(b)(1)	II.A, II.B, II.C	
10 CFR 50.47(b)(2)	II.A, II.B, II.C, II.E, II.F	
10 CFR 50.47(b)(3)	II.A, II.B, II.C, II.H	
10 CFR 50.47(b)(4)	II.D, App. 1	
10 CFR 50.47(b)(5)	II.E, II.F, II.J	
10 CFR 50.47(b)(6)	II.E, II.F, II.J	
10 CFR 50.47(b)(7)	II.G	
10 CFR 50.47(b)(8)	II.H	
10 CFR 50.47(b)(9)	II.H, II.I	
10 CFR 50.47(b)(10)	II.J, II.K	
10 CFR 50.47(b)(11)	II.J, II.K	
10 CFR 50.47(b)(12)	II.L	
10 CFR 50.47(b)(13)	II.M	
10 CFR 50.47(b)(14)	II.N	
10 CFR 50.47(b)(15)	II.O	
10 CFR 50.47(b)(16)	II.P	
10 CFR 50.72(a)(3)	II.E.1	
10 CFR 50.72(a)(4)	II.F.1.g	
10 CFR 50.72(c)(3)	II.E.4	
10 CFR 50 App E.III	COL Emergency Plan	
10 CFR 50 App E.IV	COL Emergency Plan, including App. 4 and Evacuation Time Estimate	
10 CFR 50 App E.IV.A	II.A, II.B, II.C, II.E, II.F, II.J, II.K, II.L	
10 CFR 50 App E.IV.B	II.D, II.H, II.I, App. 1	
10 CFR 50 App E.IV.C	II.A, II.D, II.E, II.F, App. 1	
10 CFR 50 App E.IV.D	II.A, II.E, II.F, II.G, App. 3	
10 CFR 50 App E.IV.E	II.B, II.F, II.H, II.I, II.L, II.N, App. 2, App. 6	
10 CFR 50 App E.IV.F	II.N, II.O	

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-1 COL Emergency Plan Cross-Reference		Sheet 2 of 2
Requirement	Corresponding COL Emergency Plan Provision	
10 CFR 50 App E.IV.G	II.P	
10 CFR 50 App E.IV.H	II.M	
10 CFR 52.79(a)(41)	N/A – No exceptions taken	

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 1 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
A.1.a	Plan § II.A.1.a	Annex D, Section V.B Annex D, Appendix 1 Annex D, Tab 1, Section VI.A.2 Annex D, Tab 1, Section VI.B.1-2 Annex D, Tab 1, Section VII. A-G	Basic Plan (BP) p.13, IV p.10, V.F Annex W (AW) p. W-1, III B p.W-2, IV.A.1	Basic Plan (BP) p.BP-13, IV p.BP-10, V.F Annex W (AW) p.W-3, III B p. W-4, IV.A.1
A.1.b	Plan § II.A.1.b	Annex D, Section IV.A-I Annex D, Tab 1, Section VII Annex D, Tab 1, Chapter 1, Section VI Annex D, Tab 1, Chapter 1, Section VII. A-C Annex D, Tab 1, Chapter 2, Section VI Annex D, Tab 1, Chapter 2, Section VII.A-C Annex D, Tab 2, Chapter 1, Section VI Annex D, Tab 2, Chapter 1, Section VII.A-C	BP p. 6, V AW p. W-2, IV	BP p. BP-6, V AW p. W-4, IV
A.1.c	Plan § II.A.1.c	Annex D, Tab 1, Attachment 1	BP p. 3-1 Att. 3	BP p. BP-3-1 Att. 3
A.1.d	Plan § II.A.1.d	Annex D, Tab 1, Chapter 1, Section V, (end of first paragraph) Annex D, Tab 1, Chapter 2, Section V, (end of first paragraph) Annex D, Tab 2, Chapter 1, Section V, (end of first paragraph)	BP p. 13, VI.A.2 p. 24, VII.A.1 AW p. W-2, IV.A.1	BP p. BP-13, VI.A.2 p. BP-24, VII.A.1 AW p.W-4, IV.A.1
A.1.e	Plan § II.A.1.e	Annex D, Appendix 2, 1.b.10) Annex D, Section V.B.1.b Annex D, Tab 1, Chapter 1, Section V, (last sentence of last paragraph) Annex D, Tab 1, Chapter 2, Section V, (last sentence of last paragraph) Annex D, Tab 2, Chapter 1, Section V, (last sentence of last paragraph) Procedure 13, Section IV	Annex B (AB) p.B-2, IV.A.2	Annex B (AB) p. B-2, IV.A.2
A.2.a	NA	Annex D, Tab 1, Chapter 1, Section VII.C.1-11 Annex D, Tab 1, Chapter 2, Section VII.C.1-11 Annex D, Tab 2, Chapter 1, Section VII.C.1-15 Procedure 13, Section III	BP p. 13—23 , VI.B p. 4-1 Att. 4 AW p. W-3-5, V.B AW p.W-9 Att. 1	BP p. BP-14, VI.B p. BP-4-1 Att. 4 AW p. W-5-8, V.B p. W-12, Att. 1

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 2 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
A.2.b	NA	Annex D, Section I.A-B	BP p. 1, I	BP p. BP-1, I
A.3	Plan § II.A.3	Annex D, Section IV.A.2-3 Annex D, Tab 1, Section VII.G Annex D, Tab 1, Attachments 2 and 3 Annex D, Tab 1, Chapter 1, Section II.A.3 Annex D, Tab 1, Chapter 2, Section III.C.3, (last sentence)	AW Manual of Procedures (MOP) p.137 App 8, Att. S	AW Manual of Procedures (MOP) p.143, App 9, Att. S
A.4	Plan § II.A.4	Annex D, Tab 1, Section VII.G Annex D, Tab 1, Chapter 1, Section V Annex D, Tab 1, Chapter 2, Section III.C.1 Annex D, Tab 1, Chapter 2, Section V Annex D, Tab 2, Chapter 1, Section V Annex D, Tab 2, Chapter 1, Section VII.C Annex D, Tab 2, Chapter 1, Section VII.C.3 Procedure 13, Section IV.C.2 Procedure 13, Attachment 4	BP p. 14, VI.B.3.a.7) BP p.17, VI.B.3.i.2).c) Annex N (AN) p. N-11 VI.B.3.b	BP p. BP-14, VI.B.3.a.6) p. BP-14, VI.B.3.c.7)&8) p. BP-18 VI.B.3.i.2).c) Annex N (AN) p N-9, VI.B.4.b
B.1	Plan § II.B.1	NA	NA	NA
B.2	Plan § II.B.2	NA	NA	NA
B.3	Plan § II.B.3	NA	NA	NA
B.4	Plan § II.B.4	NA	NA	NA
B.5	Plan § II.B.5	NA	NA	NA
B.6	Plan § II.B.6	NA	NA	NA
B.7	Plan § II.B.7	NA	NA	NA
B.7.a	Plan § II.B.7.a	NA	NA	NA
B.7.b	Plan § II.B.7.b	NA	NA	NA
B.7.c	Plan § II.B.7.c	NA	NA	NA
B.7.d	Plan § II.B.7.d	NA	NA	NA
B.8	Plan § II.B.8	NA	NA	NA
B.9	Plan § II.B.9	NA	NA	NA

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 3 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
C.1.a	Plan § II.C.1.a	Texas Emergency Management Plan, Basic Plan, Section IV.C.6.f Annex D, Tab 1, Section VI.B.4-5 Annex N, Appendix 2, Section 2.D.2.a	NA	NA
C.1.b	Plan § II.C.1.b	Annex D, Section IV.B.2 Annex D, Tab 1, Section VI.B.6 Annex D, Tab 1, Chapter 1, Section III.D Annex D, Tab 1, Chapter 2, Section III.D.1 Annex D, Tab 2, Chapter 1, Section III.B	NA	NA
C.1.c	Plan § II.C.1.c	Annex D, Tab 1, Section VI.B.6, (last sentence) Annex D, Tab 1, Chapter 1, Section III (III.C.1. for Federal Liaison support) Annex D, Tab 1, Chapter 2, Section III (III.C.1. for Federal Liaison support) Annex D, Tab 2, Chapter 1, Section III.A.1 (for Federal Liaison support) Annex D, Tab 2, Chapter 1, Section VII.B.1 Annex D, Tab 2, Chapter 1, Section VII.C.10	BP p. 20, VI.B.6.f Annex B (AB), p. B-1-1 Annex M (AM) All	BP p. BP-21, VI.B.6.f Annex B (AB), p. B-1-1 Annex M (AM) All
C.2.a	NA	Annex D, Section V.B.2.e Annex D, Tab 1, Chapter 1, Section III.B.1, (last sentence) Annex D, Tab 1, Chapter 1, Section VII.A.6 Annex D, Tab 1, Chapter 1, Section VII.C.1 Annex D, Tab 1, Chapter 2, Section III.B.1 Annex D, Tab 1, Chapter 2, Section VII.A.2 Annex D, Tab 1, Chapter 2, Section VII.C.1 Annex D, Tab 2, Chapter 1, Section VII.A.6 Annex D, Tab 2, Chapter 1, Section VII.C.5	NA	NA
C.2.b	Plan § II.C.2.b	NA	NA	NA

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 4 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
C.3	Plan § II.C.3	Annex D, Section IV.G.1 Annex D, Tab 1, Section VII.G Annex D, Tab 1, Section VII.D.1-4 Annex D, Tab 1, Attachments 2 and 3 Annex D, Tab 1, Chapter 1, Section VII.C.4-5 Annex D, Tab 1, Chapter 2, Section VII.C.4-5 Annex D, Tab 2, Chapter 1, Section VII.C.9	NA	NA
C.4.	Plan § II.C.4, Appendix 7	Annex D, Section IV.A.2 Annex D, Section IV.I.1-5 Annex D, Section V.B.3.a-f Annex D, Tab 1, Section VI.B.1-4 Annex D, Tab 1, Section VII.A-G Annex D, Tab 1, Attachments 2 and 3 Annex D, Tab 1, Chapter 1, Section III Annex D, Tab 1, Chapter 2, Section III Annex D, Tab 2, Chapter 1, Sections II-III	AW, MOP, p.51, App 7, C.1&2 AW MOP p.120, App 8, Att. M AW MOP p.136 App 8, Att. S	AW, MOP, p.57, App8, IV.C.1&2 AW MOP p. 124 App 9, Att. M AW MOP p. 141 App9, Att. S
D.1	Plan § II.D.1, App. 1	NA	NA	NA
D.2	Plan § II.D.2, Appendix 1	NA	NA	NA
D.3	NA	Annex D, Tab 1, Section VII.A.2 Annex D, Tab 1, Chapter 1, Section IV Annex D, Tab 1, Chapter 2, Section IV & V Annex D, Tab 2, Chapter 1, Section IV	AW p.W-6, VII MOP p. 4, App. 1	AW p.W-8, VII MOP p.4, App. 1
D.4	NA	Annex D, Tab 1, Chapter 1, Section V Annex D, Tab 1, Chapter 2, Section V Annex D, Tab 2, Chapter 1, Section V Procedure 1, Section II Procedure 1, Section VII.B.2.a-e Procedure 1, Attachments 1 & 2 Procedure 13, Section IV.B	AW MOP Appendices 1-7	AW MOP Appendices 1-8

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 5 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
E.1	Plan § II.E.1	Annex D, Appendix 2, Section 2.a-e Annex D, Tab 1, Section VII.A.3,4,&10 Annex D, Tab 1, Section VII.B.1	AW MOP p. 78 App 8, Att C p. 81 App 8, Att D	AW MOP p. 84 App 9, Att C p. 87 App 9, Att D
E.2	Plan § II.E.2	Annex D, Appendix 2, Section 2.b-e Annex D, Tab 1, Chapter 1, Section V Annex D, Tab 1, Chapter 2, Section V Annex D, Tab 2, Chapter 1, Section V Procedure 13, Section IV.B Procedure 13	AW MOP p. 6-24, App's 2&3 AW MOP p. 81, App 8, Att. D p. 84, App 8, Att. E	AW MOP p. 6-24, App's 2&3 AW MOP p. 87, App 9, Att. D p. 90, App 9, Att. E
E.3	Plan § II.E.3	NA	NA	NA
E.4	Plan § II.E.4	NA	NA	NA
E.4.a	Plan § II.E.4.a	NA	NA	NA
E.4.b	Plan § II.E.4.b	NA	NA	NA
E.4.c	Plan § II.E.4.c	NA	NA	NA
E.4.d	Plan § II.E.4.d	NA	NA	NA
E.4.e	Plan § II.E.4.e	NA	NA	NA
E.4.f	Plan § II.E.4.f	NA	NA	NA
E.4.g	Plan § II.E.4.g	NA	NA	NA
E.4.h	Plan § II.E.4.h	NA	NA	NA
E.4.i	Plan § II.E.4.i	NA	NA	NA
E.4.j	Plan § II.E.4.j	NA	NA	NA
E.4.k	Plan § II.E.4.k	NA	NA	NA
E.4.l	Plan § II.E.4.l	NA	NA	NA
E.4.m	Plan § II.E.4.m	NA	NA	NA
E.4.n	Plan § II.E.4.n	NA	NA	NA

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 6 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
E.5	NA	Annex D, Appendix 2, Section 2.b-e Annex D, Tab 1, Section VII.B.4 Annex D, Tab 1, Section VII.F.1 Annex D, Tab 1, Chapter 1, Section III.B.2 Annex D, Tab 1, Chapter 1, Section VII.C.8 Annex D, Tab 1, Chapter 2, Section III.B.2 Annex D, Tab 1, Chapter 2, Section VII.C.8 Annex D, Tab 2, Chapter 1, Section VII.C.13	AW MOP p.12, App. 2, III.G,M,P p. 59, App. 7 County Code Red callout lists p. 86, App. 8, Att. F	AW MOP p. 13 App. 2, III. G,M,P p. 63, 65, App. 8 p. 92, App 9, Att. F
E.6	Plan § II.E.6	Texas Emergency Management Plan, Basic Plan, Section IV.C.2.c Annex A, Section IV.B.2.i Annex A, Section IV.C.1 & 2 Annex D, Appendix 2, Section 2.b-e Annex D, Tab 1, Section VII.B.4 Annex D, Tab 1, Chapter 1, VII.C.8 Annex D, Tab 1, Chapter 2, Section VII.C.8 Annex D, Tab 2, Chapter 1, Section VII.C.13	AW MOP p. 12, App 2, III.G,M,P p. 23, App 3 III.B.1 p.89, App 8, Att. F, IV.B.1.d Annex A, p. A-8, V.E.	AW MOP p. 13&14, App 2, III. G,M,P p. 23, App 3, III.B.1 p. 96, App 9, Att. F, IV.B.1.d Annex A, p. A-8, V.E.
E.7	Plan § II.E.7	Annex D, Tab 2, Chapter 1, Section VIII.A-C Procedure 1, Section VII.B.1-2 Procedure 2, Attachments 2-3 Procedure 14, Attachment 2 (In Draft)	AW, MOP, p. 51, App. 7, C.1&2 AW MOP p. 128, App. 8, Att. O Somervell County PIO SOG, EAS Messages County Code Red Callout lists	AW, MOP, p. 57, App.8, IV,C.1&2 AW MOP p.133-134, App. 9, Att. O HOOD County PIO SOG, EAS Messages County Code Red Callout lists
F.1.a	Plan § II.F.1.a	Annex D, Tab 1, Section VII.A.7-8 Annex D, Tab 1, Section VII.B.5 Procedure 13, Section III.A.2 Procedure 13, Section IV.A.1-3	BP p. 15, VI.B.5.c AW p. W-4, V.B.2 AB p. B-1, III.B p. B-2, IV.A.2	BP p.BP-16, VI.B.5.c AW p. W-6, V.B.3 AB p. B-1, III.B p. B-2, IV.A.2
F.1.b	Plan § II.F.1.b	Annex D, Appendix 2, Section 2.h.3-4 Procedure 13, Attachment 3	AW p. W-4 V.B.2.e	AW p.W-6, V.B.3.e
F.1.c	Plan § II.F.1.c	Annex D, Appendix 2, Section 2.e.1-3 Annex D, Appendix 2, Section 2.h.5-6 Procedure 13, Section IV.H 2	BP p.B-10, V.F AB p. B-1-1, App. 1	BP p.BP-10, V.F AB p.B-1-1, App. 1

Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application
Part 5 - Emergency Plan

Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 7 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
F.1.d	Plan § II.F.1.d	Annex D, Tab 1, Chapter 1, Section VII.B.1, (last sentence) Annex D, Tab 1, Chapter 1, Section VII.C.8, (last sentence) Annex D, Tab 1, Chapter 2, Section VII.B.1, (last sentence) Annex D, Tab 1, Chapter 2, Section VII.C.1 Procedure 10, Section VIII.E.1-2 Procedure 13, Attachment 3	AB p. B-1-1, App. 1 AW p. W-5&6, VI.B&C County Code Red Callout Lists	AB p. B-1-1, App. 1 AW p. W-8, VI.B County Code Red Callout Lists
F.1.e	Plan § II.F.1.e	Annex D, Appendix 2, Section 2.b Procedure 13, Section IV.D.(c) Procedure 13, Section IV.H.1-3	AW MOP p. 16, App.3.III.A.2 p. 18, App. 3 III A 3 p. 21, App. 3 III A 2 p. 23, App. 3 III A 2 p. 81, App. 8, Att. D p. 84, App. 8, Att. E County Code Red callout lists	AW MOP p. 16, App. 3.III.A.2 p. 18, App. 3.III.A. 3 p. 21, App. 3.III.A. 2 p. 23, App. 3.III.A. 2 p. 87, App. 9.Att. D p. 90, App. 9.Att. E County Code Red callout lists
F.1.f	Plan § II.F.1.f	NA	NA	NA
F.2	Plan § II.F.2	Annex B, Section III.A Annex D, Tab 1, Section IV Procedure 5, Attachment 2 Procedure 13, Attachment 3 Procedure 24, Section V.L	AB p. B-1-1, App. 1	AB p. B-1-1, App. 1
F.3	Plan § II.F.3	Annex D, Tab 1, Attachment 4, Section II.B-C	AW p. W-4, V.B.2.f	AW p. W-6, V.B.3.f
G.1	Plan § II.G.1	Annex D, Tab 1, Section VII.F.1&8 Annex D, Tab 1, Attachment 4, Section I.B.9 Procedure 14, Attachment 3	AW MOP p. 49&50, App. 7, III AW MOP p. 50&51, App 7, IV.A 2 Annex I (AI) p. I-5 V.D.5 p. I-6, V.F.2.a	AW MOP p. 55&56, App. 8, III AW MOP p.56&57, App 8, IV.A Annex I (AI) p. I-5, V.D.5. p. I-6, V.F.2a
G.2	Plan § II.G.2	Annex D, Tab 1, Chapter 1, Section II.A.3, (last sentence of 1 st par) Annex D, Tab 1, Chapter 2, Section II.A.3, (last sentence of 1 st par) Procedure 14, Attachment 3	AI p. I-5, V.D.5 AW MOP p.50&51, App. 7, IV	AI p. I-5, V.D.5 AW MOP p. 56&57, App. 8, IV

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G.3.a	Plan § II.G.3.a	Annex D, Tab 1, Chapter 1, Section III.B.2 Annex D, Tab 1, Chapter 1, Section VII.C.8 Annex D, Tab 1, Chapter 2, Section III.B.2 Annex D, Tab 1, Chapter 2, Section VII.C.8 Annex D, Tab 2, Chapter 1, Section VII.C.13 Annex D, Tab 2, Chapter 1, Attachment 2	AI p. I-9, VI.B.2.f. AW MOP p. 51 App 7, IV. B. 4-7	AI p. I-9, VI.B.2.b. AW MOP p. 57, App 8, IV. B.4-7
G.3.b	Plan § II.G.3.b	NA	NA	NA
G.4.a	Plan § II.G.4.a	Annex D, Tab 1, Chapter 1, Section VII.C.8 Annex D, Tab 1, Chapter 2, Section VII.C.8 Annex D, Tab 2, Chapter 1, Section VII.C.13	AI p. I-9, VI.B.1.a, 2.f AW MOP p. 51, App. 7, IV.B. 4-9	AI p. I-9, VI.B.1.a, 2.b AW MOP p. 57, App. 8, IV.B. 4-9 -
G.4.b	Plan § II.G.4.b	Annex D, Tab 1, Section VII.A.6-7	AW MOP p. 51, App. 7, IV.B. 4-9	AW MOP p. 57, App 8, IV.B. 4-9
G.4.c	Plan § II.G.4.c	Annex D, Tab 1, Chapter 1, Section III.B.2 Annex D, Tab 1, Chapter 2, Section III.B.2 Annex I, Section IV. C.1-2 Procedure 13, Attachment 3	AW MOP p. 51, App 7, IV.B. 4-9	AW MOP p.57, App.8, IV.B. 4-9
G.5	Plan § II.G.5	Annex D, Tab 1, Section VII.A.14 Annex D, Tab 1, Attachment 4, Section I.B.9 Annex D, Tab 1, Attachment 4, Section II.A	AW MOP p 50, App 7, III.B.2.b	AW MOP p.56, App. 8, III.B.2.b
H.1	Plan § II.H.1	NA	NA	NA
H.2	Plan § II.H.2	NA	NA	NA
H.3	NA	Annex D, Tab 1, Chapter 1, Section III.C.1-2 Annex D, Tab 1, Chapter 1, Attachments 9-10 Annex D, Tab 1, Chapter 2, Section III.C.1-2 Annex D, Tab 1, Chapter 2, Attachments 9-10 Annex D, Tab 2, Chapter 1, Section III.A.1-2 Annex D, Tab 2, Chapter 1, Attachments 2-4 Procedure 10, Section VII.A.2 Procedure 11, Section VII.A.2	BP p. 24, VII.B.2 AW p. W-2, IV.A.2 AN All	BP p.BP-25, VII.B.2 AW p. W-4, IV.A.2 AN All

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 9 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
H.4	Plan § II.H.4	Annex D, Section IV.B.1 Annex D, Tab 1, Chapter 1, Section VI Annex D, Tab 1, Chapter 2, Section VI Annex D, Tab 2, Chapter 1, Section VI Procedure 13, Section IV.B	BP p. 14, VI.B.3 AW p. W-5, VI.B.1.a AN All	BP p. BP-14, VI.B.3 AW p. W-8, VI&VII AN All
H.5	Plan § II.H.5	NA	NA	NA
H.5.a	Plan § II.H.5.a	NA	NA	NA
H.5.b	Plan § II.H.5.b	NA	NA	NA
H.5.c	Plan § II.H.5.c	NA	NA	NA
H.5.d	Plan § II.H.5.d	NA	NA	NA
H.6.a	Plan § II.H.6.a	NA	NA	NA
H.6.b	Plan § II.H.6.b	NA	NA	NA
H.6.c	Plan § II.H.6.c	NA	NA	NA
H.7	Plan § II.H.7, App. 6	Annex D, Tab 2, Chapter 1, Section VII.B.2 Annex D, Tab 2, Chapter 1, Section VII.C.9 Procedure 3, Section IV.A Procedure 5, Section IV.A-B Procedure 7, Section IV.A-C Procedure 7, Section VII.E Procedure 10, Section V Procedure 10, Attachment 1 Procedure 10, Tab 1, Section III Procedure 11, Section V Procedure 24, Section IV.A-F Procedure 25, Section IV.A-D	AW MOP p. 72, App 7, Att B, V.B.4.b.&e	AW MOP p. 78, App. 9, Att. B, V.B.4.b.&e
H.8	Plan § II.H.8, App. 2	NA	NA	NA
H.9	Plan § II.H.9, App. 2	NA	NA	NA

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 10 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
H.8	Plan § II.H.8, App. 2	NA	NA	NA
H.9	Plan § II.H.9, App. 2	NA	NA	NA
H.10	Plan § II.H.10, App. 6	Annex D, Tab 1, Attachment 4, Section I.B.10 Procedure 10, Section VIII.C.4 Procedure 10, Attachments 4 & 5 Procedure 11, Section VIII.C.1&5	AW MOP p. 73, App. 8, Att. B, Annex D, p. D-7, VI.B.4.b	AW MOP p.79, App. 9, Att. B, Annex D, p.D-7, VI.B.4.b
H.11	Plan § II.H.11, App. 6	Procedure 1, Section IV.A Procedure 3, Section IV.A-C Procedure 4, Section IV.A-I Procedure 5, Section IV.C-Z Procedure 6, Section IV.A-E Procedure 7, Section IV.D Procedure 8, Section IV.A-C Procedure 9, Section IV.A Procedure 10, Attachments 1-2 Procedure 10, Tab 1, Section III Procedure 10, Tab 2, Section III Procedure 10, Tab 3, Section III Procedure 10, Tab 4, Section III Procedure 10, Tab 5, Section III Procedure 11, Section XII.A-E Procedure 11, Attachments 1-3 Procedure 24, Attachment 1 Procedure 26, Section IV.A-K	AW MOP p. 73, App 8, Att B, 4.j.&k. Annex D, Pg D-8,VI.B.4.b	AW MOP p. 80, App. 9, Att. B, 4.i.&j. Annex D, Pg D-8,VI.B.4.b
H.12	Plan § II.H.12	Annex D, Tab 1, Chapter 1, Section VII.C.4-5 Annex D, Tab 1, Chapter 2, Section VII.C.4-5 Annex D, Tab 2, Chapter 1, Section VII.C.4-5 Procedure 10, Attachment 7 Procedure 10, Tab 1, Section V Procedure 10, Tab 2, Section V.b Procedure 10, Tab 3, Section V.a Procedure 10, Tab 4, Section V.a Procedure 10, Tab 5, Section V.b	State Responsibility ¹	State Responsibility ¹

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I.1	Plan § II.I.1	NA	NA	NA
I.2	Plan § II.I.2	NA	NA	NA
I.3.a	Plan § II.I.3.a	NA	NA	NA
I.3.b	Plan § II.I.3.b	NA	NA	NA
I.4	Plan § II.I.4	NA	NA	NA
I.5	Plan § II.I.5	NA	NA	NA
I.6	Plan § II.I.6	NA	NA	NA
I.7	Plan § II.I.7, App. 6	Annex D, Section III.G.1&3 Annex D, Section V.B.1.e Annex D, Sections V.B.3.c, d.(3), e.(2), and f Annex D, Tab 1, Section VII.B.5 Annex D, Tab 1, Section VII.C.2-5 Annex D, Tab 1, Section VII.E.3 Annex D, Tab 1, Attachments 2 & 3 Annex D, Tab 1, Chapter 1, Section VI (last sentence of first paragraph) Annex D, Tab 1, Chapter 1, Section VII.B.1 Annex D, Tab 1, Chapter 1, Section VII.C.2-3 & 10 Annex D, Tab 1, Chapter 2, Section VI (last sentence of first paragraph) Annex D, Tab 1, Chapter 2, Section VII.B.1 Annex D, Tab 1, Chapter 2, Section VII.C.2-3 & 9 Annex D, Tab 2, Chapter 1, Section III.B.2.f & 3.b Annex D, Tab 2, Chapter 1, Section VII.C.7 & 14	AW MOP p. 72, App. 8, Att. B, V.B.4. e	AW MOP p. 78, App. 9, Att. B, V.B.4.e

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 12 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
I.8	Plan § II.I.8	Annex D, Section IV.E.1-2 Annex D, Tab 1, Chapter 1, Section VI Annex D, Tab 1, Chapter 1, Section VII.B.1-2 Annex D, Tab 1, Chapter 1, Section VII.C.3 Annex D, Tab 1, Chapter 2, Section VI Annex D, Tab 1, Chapter 2, Section VII.B.1-2 Annex D, Tab 1, Chapter 2, Section VII.C.3 Annex D, Tab 2, Chapter 1, Section VI Annex D, Tab 2, Chapter 1, Section VII.B.1 Annex D, Tab 2, Chapter 1, Section VII.C.7 Procedure 10 Procedure 10, Section III.B Procedure 10, Section VIII.A-F	AW MOP p. 72, App. 8, Att. B, V.B.4.e	AW MOP p. 78, App. 9, Att. B, V.B.4.e
I.9	Plan § II.I.9	Annex D, Tab 1, Chapter 1, Section VII.C.3 Annex D, Tab 1, Chapter 2, Section VII.C.3 Annex D, Tab 2, Chapter 1, Section VII.C.3 Procedure 10	NA	NA
I.10	Plan § II.I.10, App. 2	Annex D, Section IV.F.1 Annex D, Tab 1, Chapter 1, Section VII.C.6 Annex D, Tab 1, Chapter 2, Section VII.C.6 Annex D, Tab 2, Chapter 1, Section VII.C.10 Procedure 1, Section IV.A Procedure 1, Section VII.B Procedure 10, Tab 1, Section VI.a-b Procedure 11, Section IX.A	NA	NA
I.11	NA	Annex D, Section IV.E.2.(2) Annex D, Section V.B.2.f Annex D, Tab 1, Section VI.B.6 Annex D, Tab 1, Chapter 1, Section VII.C.2-4 Annex D, Tab 1, Chapter 2, Section VII.C.2-4 Annex D, Tab 2, Chapter 1, Section VII.C.7 Procedure 10, Section II Procedure 10, Section IX-X Procedure 11, Section II Procedure 11, Section XI.A-B	NA	NA

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 13 of 22
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J.1.a	Plan § II.J.1.a	NA	NA	NA
J.1.b	Plan § II.J.1.b	NA	NA	NA
J.1.c	Plan § II.J.1.c	NA	NA	NA
J.1.d	Plan § II.J.1.d	NA	NA	NA
J.2	Plan § II.J.2	Annex D, Tab 1, Section IV (reference) Annex D, Tab 1, Section VII.F.1&4 Annex D, Tab 1, Chapter 1, Attachment 5 Annex D, Tab 1, Chapter 2, Attachment 5 Annex D, Tab 2, Chapter 1, Attachment 7	AW MOP p. 143, App.8, Att. U	AW MOP p. 149, App.9, Att. U
J.3	Plan § II.J.3	NA	NA	NA
J.4	Plan § II.J.4	NA	NA	NA
J.5	Plan § II.J.5	NA	NA	NA
J.6.a	Plan § II.J.6.a	NA	NA	NA
J.6.b	Plan § II.J.6.b	NA	NA	NA
J.6.c	Plan § II.J.6.c	NA	NA	NA
J.7	Plan § II.J.7, App. 2	NA	NA	NA
J.8	Plan § II.J.8, App. 4	NA	NA	NA

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NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
J.9	NA	Annex D, Section IV.A.3-4 Annex D, Section IV.E.2.(4) & F.1.(2) Annex D, Section V.B.2.f Annex D, Tab 1, Chapter 1, Section VII.C.6 Annex D, Tab 1, Chapter 2, Section VII.C.6 Procedure 1, Section VII.B-C Procedure 1, Attachments 1-4 Procedure 2, Section III Procedure 2, Section IV.A.3 Procedure 10, Section VIII.F.3-5 Procedure 11, Section VIII.F.3 Procedure 11, Section IX.A Procedure 24, Section V.A-G	AW MOP p. 12-14, App. 2, III And, Attachments B, F, G, & K	AW MOP p. 12-14, App. 2, III And, Attachments B, F, G, & K
J.10.a	Plan § II.J.10.a	<u>Evacuation Routes</u> Annex D, Tab 1, Chapter 1, Attachment 5 Annex D, Tab 1, Chapter 2, Attachment 5 Annex D, Tab 2, Chapter 1, Attachment 7 <u>Evacuation Areas (Emergency Response Zones)</u> Annex D, Tab 1, Chapter 1, Attachment 12 Annex D, Tab 1, Chapter 2, Attachment 4 Annex D, Tab 2, Chapter 1, Attachment 1 <u>Pre-Selected Monitoring Points</u> Annex D, Tab 1, Chapter 1, Attachment 3 Annex D, Tab 1, Chapter 2, Attachment 3 Annex D, Tab 2, Chapter 1, Attachment 6 <u>Relocation Centers, Shelter Areas & Hospitals</u> Annex D, Tab 1, Chapter 1, Attachments 11-12 Annex D, Tab 1, Chapter 2, Attachments 9-10 Annex D, Tab 2, Chapter 1, Attachment 2	AW MOP p. 96, 97, 117 & 143	AW MOP p. 103, 104, 123, & 149
J.10.b	Plan § II.J.10.b	Annex D, Tab 1, Chapter 1, Attachment 4 Annex D, Tab 1, Chapter 2, Attachment 4	AW MOP p. 143, App.8, Att. U	AW MOP p. 149, App. 9, Att. U

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J.10.c	Plan § II.J.10.c, App. 3	Annex A, Section IV.C.2 Annex D, Tab 1, Section VII.A.3 Annex D, Tab 1, Section VII.B.6 Annex D, Tab 1, Section VII.F.1-3 Procedure 1, Section VII.B.1-2 Procedure 14, Attachment 2	Annex A, p. A-6-8 &8, V.D. & E. AW MOP p. 13,14, App 2, III L,&M p. 86, Att. 8, Att. F	Annex A, p. A-6-8, V.D.& E. AW MOP p. 13, App. 2, III.L.& M p. 92, App. 9, Att. F
J.10.d	NA	Annex D, Tab 1, Section VII.A.13 Annex E, Section IV.C.4 Annex E, Section IV.I Annex E, Section IV.J.1.d Annex H, Section IV.A.7.c Annex H, Section V.3.e.3 Procedure 9, Section VII.A (last sentence)	Annex A, p.A-8, V.E. AW MOP p. 21, App. 3, Tab C, III.B.4.&5	Annex A, p. A-8, V.E AW MOP p. 21, App. 3, Tab C, III.B.4.&5
J.10.e	NA	Annex D, Tab 1, Section VII.A.13 Procedure 1, Section VII.B.2.d Procedure 1, Attachments 1-2 Procedure 9, Section I Procedure 9, Section II.C Procedure 9, Section VII.A Procedure 9, Section VII.B.1 Procedure 9, Attachment 3	AW MOP p. 39, App. 5, Tab D, III.A.10 AW MOP p. 73 App. 8, Att. 8, IV.B.4	AW MOP p. 39 App. 5, Tab D, III. A.10 AW MOP p. 46 App. 6, Tab D, III.A.6
J.10.f	NA	Procedure 1, Section VII.B.2.d Procedure 1, Attachments 1-2 Procedure 8, Section II.B (last sentence) Procedure 9, Section V.D-E Procedure 9, Section VII.A Procedure 24, Section V.G Procedure 24, Section VIII.C.4	Thyroid Blocking Agents are not distributed to the general public per DSHS policy	Thyroid Blocking Agents are not distributed to the general public per DSHS policy
J.10.g	NA	Annex E, Section IV.H Annex E, Section V.B.3.b.7 & 10 Annex E, Section V.B.3.d.1 Annex S, Section IV.E.2 Annex S, Appendix 4 Procedure 1, Section VII.B.2.a Procedure 25, Section VIII	AW MOP p 101 App. 8, Att. H Public Information in Telephone Book Addresses this standard	AW MOP p. 107 App. 9, Att. H Public Information in Telephone Book Addresses this standard

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J.10.h	NA	Annex D, Tab 1, Chapter 1, Section II.A.3 Annex D, Tab 1, Chapter 1, Section VII.C.9 Annex D, Tab 1, Chapter 2, Section II.A.3 Annex D, Tab 1, Chapter 2, Section VII.C.10 Annex D, Tab 2, Chapter 1, Section II.A.3 Annex D, Tab 2, Chapter 1, Section VII.C.12	AW MOP p 104 App 8, Att H Public Information in Telephone Book Addresses this standard	AW MOP p 110 App 9, Att H Public Information in Telephone Book Addresses this standard
J.10.i	NA	Annex E, Section IV.C.3 Procedure 1, Section VII.D (last sentence)	AW MOP p. 143, App. 8, Att. U	AW MOP p. 149, App. 9, Att. U
J.10.j	NA	Annex D, Section IV.I.3-4 Annex D, Tab 1, Chapter 1, Section VII.C.7 Annex D, Tab 1, Chapter 2, Section VII.C.7 Procedure 24, Section II (second paragraph) Procedure 24, Section VIII.C.1	AW MOP p. 15-24, App. 3 AW MOP p. 93 App. 8 Att. G	AW MOP p. 15-24, App. 3 AW MOP p. 98 App. 9, Att. G
J.10.k	NA	Procedure 24, Section VIII.C.2.b,c,d&h	AW MOP p. 15-24, App. 3	AW MOP p. 15-24, App. 3
J.10.l	NA	Evacuation Time Estimate	AW MOP p. 143, App. 8, Att. U	AW MOP p 149, App. 9, Att U
J.10.m	Plan § II.J.10.m	Annex D, Tab 1, Section VII.F.2,5,6,7&9 Procedure 1, VII.B.2.a-e	AW p.W-2,Section III.B.6 AW P.W-3, Section V.B.1.b EPA 400, PAGs, Chapters 4, 5, 6, and 7	AW p.W-4,Section III.B.6 AW p.W-5, Section V.B.1.b EPA 400, PAGs, Chapters 4, 5, 6, and 7
J.11	NA	Annex D, Section IV.A.3 Annex D, Section IV.E.1-2 Annex D, Tab 1, Section VII.C & E Procedure 2 Procedure 10, Section II	NA	NA
J.12	NA	Annex D, Section IV.H.2 Procedure 25, Section VIII.A-B	AW MOP p. 101-108, App. 8, Att H	AW MOP p. 106-113, App. 9, Att. H
K.1.a	Plan § II.K.1.a	NA	NA	NA
K.1.b	Plan § II.K.1.b	NA	NA	NA

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K.1.c	Plan § II.K.1.c	NA	NA	NA
K.1.d	Plan § II.K.1.d	NA	NA	NA
K.1.e	Plan § II.K.1.e	NA	NA	NA
K.1.f	Plan § II.K.1.f	NA	NA	NA
K.1.g	Plan § II.K.1.g	NA	NA	NA
K.2	Plan § II.K.2	NA	NA	NA
K.3.a	Plan § II.K.3.a	Annex D, Tab 1, Chapter 1, Section VII.C.4 (second paragraph) Annex D, Tab 1, Chapter 1, Section VII.C.7 (middle of 4 th paragraph) Annex D, Tab 1, Chapter 2, Section VII.C.4 (second paragraph) Annex D, Tab 1, Chapter 2, Section VII.C.7 (middle of 4 th paragraph) Procedure 7, Section II Procedure 7, Section VII.D.8 Procedure 7, Section VII.E.1-6 Procedure 10, Section VIII.F.1 Procedure 11, Section VIII.F Procedure 24, Section V.H Procedure 25, Section IV.A-C Procedure 25 Section VII.G	BP p. 15-16 VI.B.5.d AW p. W-5, V.B.7 AW MOP p. 72-73, App 8, Att B V.B.4.c.d.&f Annex D (AD) All	BP p. BP-16, VI.B.5.d AW p. W-7, V.B.8 AW p.79-80 App.9, tt.B.4.c.d,e,&f Annex D (AD) All
K.3.b	Plan § II.K.3.b	Procedure 7, Section VII.D.2-5 Procedure 10, Section VIII.F.3&7 Procedure 24, Section V.I Procedure 25, Section V.H	AW p. W-5, V.B.7.c AW MOP p. 72-73, App 8, Att B V.B.4.c.d.&f	AW p. W-8, V.B.8.c AW MOP p. 79-80, App. 9, Att. B V.B.4.c.d.&f
K.4	NA	Procedure 1, Attachments 3-4 Procedure 7, Section VII.A-C Procedure 10, Section VI.A Procedure 10, Section VIII.F.4-5 Procedure 11, Section VI.A-B Procedure 24, Section V.A-F Procedure 25, Section V.A-E	AW p. W-5, V.B.7.c AW MOP p. 72-73, App 8, Att B V.B.4.d.e.&f	AW p. W-8, V.B.8.c AW MOP p. 79-80, App. 9, Att. B V.B.4.d.e.&f -- -

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K.5.a	Plan § II.K.5.a	Annex D, Section H Procedure 5 Procedure 10, Section VIII.D Procedure 11, Section X Procedure 24, Section VIII.D.1.d-e.&2.b Procedure 25, Section VIII.B.2.c-f Procedure 25, Section IX.C-D	AW p. W-5, V.B.7.c AW MOP p. 109-110, App 8, Att H, Tab 3	AW p. W-8, V.B.8.c AW MOP p. 115-116, App. 9, Att. H, Tab 3
K.5.b	Plan § II.K.5.b	Annex D, Section IV.H.1 Procedure 5 Procedure 10, Section XII.C-D Procedure 25, Section VIII.B.2.g-h Procedure 25, Section VIII.B.5.j Procedure 25, Section VIII.C.2	AW p W-5 V B7c AW MOP p. 109-110, App 8, Att H AD p. D-7, V.B.3.c, 7b, 8a State of Texas, DSHS, RCP - Procedures 5 & 25	AW p. W-8, V B8c AW MOP p. 115-116, App 9, Att H AD p. D-7, V.B.3.c, 7b, 8a State of Texas, DSHS, RCP - Procedures 5 & 25
K.6.a	Plan § II.K.6.a	NA	NA	NA
K.6.b	Plan § II.K.6.b	NA	NA	NA
K.6.c	Plan § II.K.6.c	NA	NA	NA
K.7	Plan § II.K.7	NA	NA	NA
L.1	Plan § II.L.1	Annex D, Section V.B.2.g Annex D, Tab 1, Chapter 2, Section III.A.3 Procedure 24, Section V.L Procedure 25, Section V.K Procedure 25, Section IX.A-B	AW MOP p.134, App. 9, Att. Q AW MOP p. 137, Att. S	AW MOP p.140, App. 9, Att. Q AW MOP p. 143, App. 9 Att. S
L.2	Plan § II.L.2	NA	NA	NA
L.3	NA	Procedure 5, Attachment 2	NA	NA
L.4	Plan § II.L.4	Annex D, Tab 1, Chapter 2, Section III.A.3 Procedure 24, Section V.L Procedure 25, Section V.K Procedure 25, Section IX.A-B	AW MOP p.137, App9, Att S Somervell County Fire Department, EMS SOP	AW MOP p.143, App. 9, Att. S Granbury/Hood County EMS SOP

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M.1	Plan § II.M.1	Annex D, Section V.B.2.h Annex D, Appendix 2, Section 3 Procedure 22	AW MOP p 14, App 2, III.V	AW MOP p. 14, App 2, III.V
M.2	Plan § II.M.2	NA	NA	NA
M.3	Plan § II.M.3	Procedure 22, Section II.D (second paragraph) Procedure 22, Section VII	NA	NA
M.4	Plan § II.M.4	Procedure 1, Section VII.D	NA	NA
N.1.a	Plan § II.N.1.a	Annex D, Tab 1, Attachment 4, Section II.A	BP p. 14, VI.B.3.a.8) AW MOP p. 139-141, App. 8, Att. T	BP p. BP-15, VI.B.3.c.5) AW MOP p. 145-147, App. 9, Att. T
N.1.b	Plan § II.N.1.b	Annex D, Section V.B.g, page D-7 Annex D, Tab 1, Attachment 4, Section II.A	BP, p. 31-32, X.C.&D AW MOP p. 139-141, App. 8, Att. T	BP, p. BP-32, X.C.&D AW MOP p. 145-147, App. 9, Att. T
N.2.a	Plan § II.N.2.a	Annex D, Appendix 2, Section 1.a.1,3&5 Annex D, Appendix 2, Section 1.b.4 Annex D, Tab 1, Attachment 4, Section II.B.1&C.1-3	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147 App. 9, Att. T
N.2.b	Plan § II.N.2.b	NA	NA	NA
N.2.c	Plan § II.N.2.c	NA	AW MOP p. 139-141, App. 8, Att. T Somervell County Volunteer Fire Department (VFD), EMS SOP Glen Rose Medical Center Plan and Procedures LGMC Plan and Procedures Texas Health – Harris Methodist Hospital – Cleburne, Plan and Procedures	AW MOP p. 145-147, App. 9, Att. T Granbury/Hood County EMS SOP Lake Granbury Medical Center (LGMC) Plan and Procedures Texas Health – Harris Methodist Hospital – Cleburne, Plan and Procedures T
N.2.d	Plan § II.N.2.d	Annex D, Tab 1, Attachment 4, Section II.B.4	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, Appendix 9 Attachment T
N.2.e(1)	Plan § II.N.2.e	Annex D, Tab 1, Attachment 4, Section II.B.4	NA	NA
N.2.e(2)	Plan § II.N.2.e	NA	NA	NA
N.3.a	Plan § II.N.3.a	Annex D, Tab 1, Attachment 4, Section IV	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, Appendix 9 Attachment T

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 20 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
N.3.b	Plan § II.N.3.b	Annex D, Tab 1, Attachment 4, Section IV.3	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, Appendix 9 Attachment T
N.3.c	Plan § II.N.3.c	Annex D, Tab 1, Attachment 4, Section IV.4	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, Appendix 9 Attachment T
N.3.d	Plan § II.N.3.d	Annex D, Tab 1, Attachment 4, Section IV.5	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, Appendix 9 Attachment T
N.3.e	Plan § II.N.3.e	Annex D, Tab 1, Attachment 4, Section IV.6	AW MOP p. 139-141, App 8, Att T	AW MOP p. 145-147 Appendix 9 Attachment T
N.3.f	Plan § II.N.3.f	Annex D, Tab 1, Attachment 4, Section IV.7	AW MOP p. 139-141, App 8, Att T	AW MOP p. 145-147, Appendix 9 Attachment T
N.4	Plan § II.N.4	Annex D, Tab 1, Attachment 4, II.A (second paragraph)	AW MOP p. 139-141, App 8, Att T	AW MOP p. 145-147, Appendix 9 Attachment T
N.5	Plan § II.N.5	Annex D, Tab 1, Attachment 4, Section II.A (last sentence)	AW MOP .p 139-141, App 8, Att T	AW MOP p .145-147, Appendix 9 Attachment T
O.1	Plan § II.O.1	Annex D, Section V.B.1.a&g Annex D, Section VIII.B Annex D, Appendix 2, Section 1.a.1&3 Annex D, Tab 1, Section VIII Annex D, Tab 1, Attachment 4	BP p. 14, VI.B.3.a.8) AW MOP p. 139-141, App. 8, Att. T	BP p. BP-15, VI.B.3.c.5) AW MOP p. 145-147, App. 9, Att. T
O.1.a	Plan § II.O.1.a	NA	NA	NA
O.1.b	NA	Annex D, Section V.B.1.a&g Annex D, Appendix 2, Section 1.a.2&3 Annex D, Tab 1, Attachment 4, Section I.A	AW MOP p 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
O.2	Plan § II.O.2	NA	NA	NA
O.3	Plan § II.O.3	NA	NA	NA
O.4.a	Plan § II.O.4.a	Annex D, Tab 1, Attachment 4, Section I	AW MOP p 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
O.4.b	Plan § II.O.4.b	Annex D, Tab 1, Attachment 4, Section I.E	State Responsibility ¹	State Responsibility ¹

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 21 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
O.4.c	Plan § II.O.4.c	Annex D, Tab 1, Attachment 4, Section I.E	State Responsibility ¹	State Responsibility ¹
O.4.d	Plan § II.O.4.d	Annex D, Appendix 2, Section 1.a.2 Annex D, Tab 1, Attachment 4, Section I.F.1	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147 App. 9, Att. T
O.4.e	Plan § II.O.4.e	NA	NA	NA
O.4.f	Plan § II.O.4.f	Annex D, Appendix 2, Section 1.a.2&5 Annex D, Tab 1, Attachment 4, Section I.F.2	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
O.4.g	Plan § II.O.4.g	Annex D, Appendix 2, Section 1.a.1-5 Annex D, Tab 1, Attachment 4, Section I.F.3	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
O.4.h	Plan § II.O.4.h	Annex D, Appendix 2, Section 1.a.5 Annex D, Tab 1, Attachment 4, Section I.F.4	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
O.4.i	Plan § II.O.4.i	NA	NA	NA
O.4.j	Plan § II.O.4.j	Annex D, Tab 1, Attachment 4, Section I.F.5	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147 App. 9, Att. T
O.5	Plan § II.O.5	Annex D, Tab 1, Attachment 4, Section I.A-B	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
P.1	Plan § II.P.1	Annex D, Tab 1, Attachment 4, Section I.B.2	AW MOP p. 139-141, App. 8, Att. T	AW MOP p. 145-147, App. 9, Att. T
P.2	Plan § II.P.2	Annex D, Section X.A-C	BP p. 14, VI.B.3.a.2)	BP p. BP-15, VI.B.3.c.3)
P.3	Plan § II.P.3	Annex D, Section X.B & C	BP p. 14, VI B.3.a.2)	BP p. BP-15, VI.B.3.c.3)
P.4	Plan § II.P.4	Annex D, Section X.C Annual Letter of Certification	BP p. BP-31 X.B,C, &D The Annual Letter of Certification is the responsibility of GDEM for the State of Texas	BP p. BP-31 X.B,C,& D The Annual Letter of Certification is the responsibility of GDEM for the State of Texas

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Table A8-2 NUREG-0654 Crosswalk to COL Emergency Plan, State, and Local Emergency Plans				Sheet 22 of 22
NUREG-0654 Eval. Criterion	COL Plan	State of Texas	Somervell County	Hood County
P.5	Plan § II.P.5	Annex D, Section V.B.2.d Annex D, Section X.B Annex D, Appendix 1 Annex D, Tab 1, Section IV	BP p. 31, X.B BP p. BP-1-1, Att.1 (Distribution List) Plans distributed by the County EMC All future plans will contain change bars	BP p. BP-31, X.B BP p. BP-1-1, Att.1 (Distribution List) Plans distributed by the County EMC All future plans will contain change bars
P.6	Plan § II.P.6	Annex D, Appendix 1 Annex D, Tab 1, Attachment 5	AW MOP p.136, App. 8, Att. S	AW MOP p.143, App. 9, Att. S
P.7	Plan § II.P.7, App. 5	Radiological Emergency Management Procedures Index Annex D, Tab 1, Attachment 6	AW MOP All	AW MOP All
P.8	Plan § II.P.8, App. 8	Annex D, page D-iii (Table of Contents) Annex D, Tab 5, Crossreference	BP p. iii AW p i	BP p. iv AW p W-1
P.9	Plan § II.P.9	NA	NA	NA
P.10	Plan § II.P.10	Procedure 13, Section IV.H.1-3	AW MOP p. 84-85, App. 8, Att. E	AW MOP p. 91-92, App. 9, Att. E

NA = NUREG-0654 Evaluation Criterion is not applicable to Plan

1 = Somervell and Hood County crosswalks indicate "State Responsibility" for this evaluation criteria

2 = Somervell and Hood County crosswalks indicate "Covered in Utility Plan" for this evaluation criteria

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Table A8-3 COL Emergency Plan Appendix 3 Cross-Reference Sheet 1 of 2	
NUREG-0654 Appendix 3 Criteria for Acceptance	COL Emergency Plan Appendix 3
A	II
B.1	II
B.2.a	II.A
B.2.b	III.B
B.2.c	III.C
B.3	II
C.1	V
C.1.a	V.A
C.1.b	V.A
C.1.c	IV
C.1.d	II,V.B
C.1.e	NA
C.1.f	NA
C.1.g	NA
C.2.a	NA
C.2.b	NA
C.2.c	NA
C.2.d	NA
C.3	III.A, III.G, III.H, III.I
C.3.a	III.D
C.3.b	III.D
C.3.c	III.C, III.E
C.3.d	III.D

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Table A8-3 COL Emergency Plan Appendix 3 Cross-Reference Sheet 2 of 2	
NUREG-0654 Appendix 3 Criteria for Acceptance	COL Emergency Plan Appendix 3
C.3.e	III.E
C.3.f	NA
C.3.g	IV.A
C.3.h.1	III.F, VI.B, VI.C
C.3.h.2	III.F, VI.B
C.4.a	NA
C.4.b	NA
C.4.c	NA
C.4.d	III.C

NA = Not Applicable

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 1 of 7
I. INTRODUCTION	ETE Section	
This section of the report should make the reader aware of the general location of the nuclear power plant and plume exposure pathway emergency planning zone, and generally discuss how the analysis was done.	Section 1	
A. <u>Site location and emergency planning zone</u> A vicinity map showing the plant location shall be provided along with a detailed map of the plume exposure pathway emergency planning zone (EPZ). The map shall be legible and identify transportation networks, topographical features and political boundaries. (See planning element J.10.a)	Section 1, Figures 1-1, 3-1 and 6-1.	
B. <u>General Assumptions</u> All assumptions used in the analysis shall be provided. The assumptions shall include such things as automobile occupancy factors, method of determining roadway capacities, and method of estimating populations.	Section 2	
C. <u>Methodology</u> A description of the method of analyzing the evacuation times shall be provided. If computer models are used, a general description of the algorithm shall be provided along with a source for obtaining further information or documentation.	Section 2, Appendices B,C and D	
II. DEMAND ESTIMATION		
The objective of this section is to provide an estimate of the number of people to be evacuated. Three potential population segments shall be considered: permanent residents, transients, and persons in special facilities.	Section 3, Section 8, Appendix E	
Permanent residents include all people having a residence in the area, but not in institutions.	Section 3, Table, 3-1, Figures 3-2, 3-3	
Transients shall include tourists, employees not residing in the area, or other groups that may visit the area.	Section 3, Non-EPZ resident employees and transients treated separately. Figures 3-4, 3-5, 3-6, and 3-7.	
Special facility residents include those confined to institutions such as hospitals and nursing homes.	Section 8, Appendix E	
The school population shall be evaluated in the special facility segment. Care should be taken to avoid double counting.	Section 8, Appendix E	
A. <u>Permanent Residents</u> The number of permanent residents shall be estimated using the U. S. Census data or other reliable data, adjusted as necessary, for growth. (See planning element J.10.b.).	Section 3, Tables 3-1 and 3-2	
This population data shall then be translated into two subgroups: 1) those using autos and those without autos.	With autos – Section 3 Transit Dependent – Section 8	
The number of vehicles used by permanent residents is estimated using an appropriate auto occupancy factor. A range of two to three persons per vehicle would probably be reasonable in most cases.	Telephone survey of EPZ Residents – Appendix F	

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 2 of 7
An alternative approach is to calculate the number of vehicles based on the number of households that own vehicles assuming one vehicle per household is used in evacuation. Regardless of the approach used, special attention must be given to those households not having automobiles. The public transport—dependent population must, therefore, be considered as a special case.	Households with autos – Section 3, Transit Dependent Households – Section 8	
<u>B. Transient Populations</u> Estimates of transient populations shall be developed using local data such as peak tourist volume and employment data for large factories.	Section 3, Appendix E	
Automobile occupancy factors would vary for different transient groups. Tourists might have automobile occupancy factors in the range of three to four while a factory would probably have a factor of less than 1.5 persons per vehicle.	Section 2, Section 3, Appendix E	
This population segment along with the permanent population subgroup using automobiles constitutes the general population group for which an evacuation time estimate shall be made.	Section 6, Table 6-4 summarizes vehicles evacuating	
<u>C. Special Facility Population</u> An estimate for this special population group shall usually be done on an institution-by-institution basis.	Section 8, Appendix E	
The means of transportation are also highly individualized and shall be described.	Section 8	
Schools shall be included in this segment.	Section 8	
<u>D. Emergency Planning Zone and Sub-areas</u> The sub-areas for which evacuation time estimates are required must encompass the entire area within the plume exposure EPZ.	Section 6, Appendix L	
Additionally, evacuation time estimates are also required for simultaneous evacuation of the entire plume exposure pathway.	Section 7, Appendix J	
The areas to be considered are as follows: Radius		

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 3 of 7
The EPZ and its sub-areas shall be identified by mapping on United States Geological Survey (USGS) 7-1/2-minute series quadrant maps when available.	Highly detailed Geographical Information Systems (GIS) maps provided. Figures 3-1 and 6-1; Appendix H.	
Special facilities shall also be noted on these maps, to the extent that their locations can be geographically specified.	Appendix E – location of facility given by compass direction and distance from the plant	
Populations shall be provided by evacuation areas as specified in planning element J.10.b.	Table 3-1 – permanent resident population by ERPA	
For the purpose of determining evacuation times it may also be useful to summarize population data by sector and distance from the plant. Figure 1 is an example of such a summary.	Figures 3-2, 3-4, and 3-6 – population rose for residents, transients and employees, respectively	
Separate totals shall be provided for the three population segments. Figure 2 shows the population totals translated into the number of vehicles estimated to be used in evacuation.	Figures 3-3, 3-5, and 3-7 – vehicle rose for residents, transients, and employees, respectively	
III. TRAFFIC CAPACITY		
This section of the report shall show the facilities to be used in evacuation. It shall include their location, types, and capacities.	Section 4, Appendix K	
A complete review shall be made of the road network. Analyses shall be made of travel times and potential locations for serious congestion in potential corridors. (The analyses may be simplified in extreme rural areas.)	Section 1.3. Detailed road survey conducted.	
The entire road network shall be used but local routes shall be carefully selected and analyzed to minimize their impact on the major routes should queuing or cross traffic conflicts occur. Care shall be taken to avoid depending only on high-capacity interstate and similar type routes because of limitations of on-ramp capacities.	Figure 1-2.	
Alternatively, special traffic management plans may be developed to effectively utilize available capacity. Evacuation shall be based on general radial dispersion.	Section 9, Appendix G	
A. <u>Evacuation Roadway Network</u> A map showing only those roads used as primary evacuation routes shall be provided. Figure 3 is an example. The map need not show local access streets necessary to get to the evacuation routes.	Section 10	
Each segment of the network shall be numbered in some manner for reference.	Appendix K	

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 4 of 7
The sector and quadrant boundaries shall also be indicated. (See planning elements J.10.a and b.).	Appendix H	
<u>B. Roadway Segment Characteristics</u> A table such as example Table 1 shall be provided indicating all the evacuation route segments and their characteristics, including capacity. The characteristics of a segment shall be given for the narrowest section or bottleneck if the roadway is not uniform in the number of lanes throughout the segment.	Appendix K	
IV. ANALYSIS OF EVACUATION TIMES		
As indicated previously, evacuation time is composed of several components. Each of these components shall be estimated in order to determine the total evacuation time. <u>A. Reporting Format</u> Table 2 shows the desired format for presenting the data and results for each type of evacuation. Each of the evacuation time components is presented along with the total evacuation time.	Section 7, Appendix J. Results provided in tabular and graphical format	
Two conditions -- normal and adverse--are considered in the analyses. Adverse conditions would depend on the characteristics of a specific site and could include flooding, snow, ice, fog or rain. The adverse weather frequency used in this analysis shall be identified and shall be severe enough to define the sensitivity of the analysis to the selected events. These conditions will affect both travel times and capacity. More than one adverse condition may need to be considered. That is, a northern site with a high summer tourist population should consider rain, flooding, or fog as the adverse condition as well as snow with winter population estimates.	Good weather, rain, and ice (where applicable) considered. See Section 2.	
The text accompanying the table shall clearly indicate the critical assumptions which underlie the time estimates; e.g., day versus night, workday versus weekend, peak transient versus off—peak transient, and evacuation on adjacent sectors versus nonevacuation.	Figure 2-1 – voluntary and shadow evacuation considered. Sections 2.2 and 2.3 list all assumptions. Table 6-3 details evacuation percentages by Scenario.	
The relative significance of alternative assumptions shall be addressed, especially with regard to time dependent traffic loading of the segments of the evacuation roadway network. Some modification of the reporting format may be appropriate, depending on local circumstances.	Appendix I presents several sensitivity studies.	

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Table A8-4 Evacuation Time Estimate Cross-Reference	Sheet 5 of 7
<p><u>B. Methodology</u></p> <p>The method for computing total evacuation time shall be specified. Two approaches are acceptable. The simplest approach is to assume that events are sequential. That is to say, for example, that no one begins to move until all persons are warned and prepared to leave before anyone starts moving. The time is estimated by simply adding the maximum time for each component. This approach tends to overestimate the evacuation time.</p> <p>The second approach, which is more complex and will be discussed further, is to combine the distribution functions for the various evacuation time components. This second approach may result in reduced time estimates due to more realistic assumptions. The added complexity of analysis, therefore, may be warranted at sites with long evacuation times.</p> <p>When distribution functions are used, estimates are made of the likelihood that each stage in an evacuation sequence will be accomplished within a given period of time. These conditional probabilities depend upon completion of the preceding stage. For example, formulation of family units or other evacuation groups does not commence until notification is received. Some of these distribution functions must be based on the judgment of the estimators. Computation of the joint distribution functions of evacuation times are made. Typically, the joint distribution assumes the form of an S—shape curve as shown in Figure 4. The evacuation time function is fairly smooth for large homogeneous population segments such as the general public. Special facilities, such as hospitals and industrial centers, produce less smooth functions, or discontinuous ones. The assessment of evacuation time may be easily updated should further analyses be conducted, assumptions changed, or new plans developed. When distributions are used, distribution functions for notification of the various categories of the evacuee population shall be developed. The distribution functions for the action stages after notification predict what fraction of the population will complete a particular action within a given span of time. There are separate distributions for auto—owning households, school population, and transit dependent populations. These distribution functions can be constructed in a variety of ways, depending greatly on the kinds of data available for the actual site being studied. The previously developed conditional distributions are combined to develop the time distributions for the various population segments departing their home or other facility from which they are being evacuated. For example, for the auto—owning population segment¹ these vehicles are then loaded onto the roadway network in order to compute travel times and delays.</p>	<p>Section 5 and Appendix F – trip generation curves are based on the results of a telephone survey of EPZ residents. Figures 5-2 and 5-3 show the S-curves used, while Table 5-8 details the trip generation rates.</p>

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 6 of 7
Regardless of the means by which the time and amount of traffic to be loaded on the network is determined (i.e., sequentially or using distribution functions), it is necessary to calculate the on—road travel and delay times. In this step, traffic from each sector is assigned to available evacuation routes, and, if assigned volumes exceed capacity, delay times must be calculated using a queuing analysis. Traffic queue (backup) locations and estimated delay times should be indicated on the area map.	Section 7 – Congestion diagrams provided. Section 4 details how the model (PC-DYNEV) handles delay calculations.	
An estimate of the time required to evacuate that segment of the non— car—owning population dependent upon public transport shall be made, in a similar manner to that used for the auto-owning population. This estimate shall include consideration of any special services which might be initiated to serve this population subgroup. Such services might include fixed-route departures from designated assembly points. Estimates for special facilities shall be made with consideration for the means of mobilization of equipment and manpower to aid in evacuation and the needs for designated employees or staff to delay their evacuation in order to shut down industrial facilities.	Section 8.4 details evacuation for transit-dependent population. Figure 8-2 provides proposed bus routes. Table 8-7 provides ETE for transit dependents for good and adverse weather.	
Each special facility shall be treated on an Individual basis. Weather conditions and time of day conditions shall be considered. Consideration shall be given to the impact of peak populations including behavioral aspects. All of the results shall be reported in the format previously indicated. This format summarizes the maximum time for each component and for each sector. The components may or may not be directly additive based on the methodology used and stated in the report. Where distribution functions are used the percentage of the population as a function of time should be reported (See Figure 4 for an example format).	Schools and Medical Facilities are handled on an individual basis. See Section 8.	
V. OTHER REQUIREMENTS		
The time required for confirmation of evacuation shall be estimated. Candidate methods include visual confirmation by aircraft or ground vehicles and telephone confirmation.	Section 12	
Specific recommendations for actions that could be taken to significantly improve evacuation time shall be given. Where significant costs may be involved, preliminary estimates of the cost of implementing these recommendations shall be given.	Section 9 and Appendix G provide a detailed traffic management plan which has been reviewed with state and local law enforcement officials	

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Table A8-4 Evacuation Time Estimate Cross-Reference		Sheet 7 of 7
A review of the draft submittal by the principal organizations (State and local) involved in emergency response for the site shall be solicited and comments resulting from such review included with the submittal.	This is not included in the text of the report; however, we have documentation of the comments received and the corrective actions taken	