

## PMComanchePeakPEm Resource

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**From:** Monarque, Stephen  
**Sent:** Tuesday, January 24, 2012 11:31 AM  
**To:** Woodlan, Don; ComanchePeakCOL Resource  
**Cc:** Conly, John; thefrost; nicholas\_kellenberger@mnes-us.com; russell\_bywater@mnes-us.com; Evans, Todd  
**Subject:** RE: 2012-01-24 Woodlan, Use of uranium hexafluoride

Thanks

steve

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**From:** Woodlan, Don [<mailto:Donald.Woodlan@luminant.com>]  
**Sent:** Tuesday, January 24, 2012 11:15 AM  
**To:** Monarque, Stephen  
**Cc:** Conly, John; thefrost; [nicholas\\_kellenberger@mnes-us.com](mailto:nicholas_kellenberger@mnes-us.com); [russell\\_bywater@mnes-us.com](mailto:russell_bywater@mnes-us.com); Evans, Todd  
**Subject:** 2012-01-24 Woodlan, Use of uranium hexafluoride

Steve,

I did a search of 10 CFR 70, 73 and 74. The only restrictions regarding uranium hexafluoride for operating plants (as opposed to facilities where the proposed activity is processing and fuel fabrication, scrap recovery, conversion of uranium hexafluoride, uranium enrichment facility construction and operation, or any other activity which the Commission determines will significantly affect the quality of the environment) is in 10 CFR 70.22 (i)(1) which reads:

(i)(1) Each application to possess enriched uranium or plutonium for which a criticality accident alarm system is required, uranium hexafluoride in excess of 50 kilograms in a single container or 1000 kilograms total, or in excess of 2 curies of plutonium in unsealed form or on foils or plated sources, must contain either:

(i) An evaluation showing that the maximum dose to a member of the public offsite due to a release of radioactive materials would not exceed 1 rem effective dose equivalent or an intake of 2 milligrams of soluble uranium, or

(ii) An emergency plan for responding to the radiological hazards of an accidental release of special nuclear material and to any associated chemical hazards directly incident thereto.

This section of the regulations served as the basis for the license condition that we proposed.

**Donald R. Woodlan**

Manager, Nuclear Regulatory Affairs

**Luminant Power**

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**From:** Monarque, Stephen

**Created By:** Stephen.Monarque@nrc.gov

**Recipients:**

"Conly, John" <John.Only@luminant.com>

Tracking Status: None

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Tracking Status: None

"nicholas\_kellenberger@mnes-us.com" <nicholas\_kellenberger@mnes-us.com>

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Tracking Status: None

"Evans, Todd" <Eric.Evans@luminant.com>

Tracking Status: None

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Tracking Status: None

"ComanchePeakCOL Resource" <ComanchePeakCOL.Resource@nrc.gov>

Tracking Status: None

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