

## ClinchRiverESPSafRAIPEm Resource

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**From:** Sutton, Mallecia  
**Sent:** Thursday, May 25, 2017 5:38 PM  
**To:** Schiele, Raymond Joseph  
**Cc:** Fetter, Allen; Manoharan, Archana; Stout, Daniel Paul; Hastings, Peter S; 'Peter Hastings'; Perry, Jeffrey Neal; ClinchRiverESPSafRAIPEm Resource; ClinchRiverESPSafRAIPR Resource; Donoghue, Joseph; Tesfaye, Getachew  
**Subject:** CRNS ESP Application RAI-1-8761 [13.3- Emergency Planning]  
**Attachments:** CRNS ESP Final RAI EP01 8761.pdf

TVA,

The attachment contains the subject request for additional information (RAI). This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of the RAI.

Please submit your RAI response to the NRC Document Control Desk.

*Mallecia Sutton  
Project Manager  
U.S.Nuclear Regulatory Commission  
Two White Flint North  
11545 Rockville Pike  
Rockville, MD 20852-27388  
Mailstop:T6C32  
301-415-0673*

**Hearing Identifier:** ClinchRiver\_ESP\_SafRAI\_Public  
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**Subject:** CRNS ESP Application RAI-1-8761 [13.3- Emergency Planning]  
**Sent Date:** 5/25/2017 5:38:19 PM  
**Received Date:** 5/25/2017 5:38:21 PM  
**From:** Sutton, Mallecia

**Created By:** Mallecia.Sutton@nrc.gov

**Recipients:**

"Fetter, Allen" <Allen.Fetter@nrc.gov>  
Tracking Status: None  
"Manoharan, Archana" <Amanoharan@tva.gov>  
Tracking Status: None  
"Stout, Daniel Paul" <dpstout@tva.gov>  
Tracking Status: None  
"Hastings, Peter S" <pshastings@tva.gov>  
Tracking Status: None  
"Peter Hastings" <Peter@hastings-group.com>  
Tracking Status: None  
"Perry, Jeffrey Neal" <jnperry@tva.gov>  
Tracking Status: None  
"ClinchRiverESPSafRAIPEm Resource" <ClinchRiverESPSafRAIPEm.Resource@nrc.gov>  
Tracking Status: None  
"ClinchRiverESPSafRAIPR Resource" <ClinchRiverESPSafRAIPR.Resource@nrc.gov>  
Tracking Status: None  
"Donoghue, Joseph" <Joseph.Donoghue@nrc.gov>  
Tracking Status: None  
"Tefaye, Getachew" <Getachew.Tefaye@nrc.gov>  
Tracking Status: None  
"Schiele, Raymond Joseph" <rjschiele@tva.gov>  
Tracking Status: None

**Post Office:** HQPWMSMRS04.nrc.gov

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**Options**

**Priority:** Standard  
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**Reply Requested:** No  
**Sensitivity:** Normal  
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## Request for Additional Information 1-8761

Issue Date: 05/25/2017  
Application Title: Clinch River Nuclear Site, ESP-52-047  
Operating Company: Tennessee Valley Authority  
Docket No. 52-047  
Review Section: 13.3.5 - Emergency Planning  
Application Section: SRP 13.3

### QUESTIONS

#### 13.03-1

NRC Request for Additional Information RAI 13.03-01:

10 CFR 52.17(b)(2)(i) addresses the required contents of an early site permit application (ESPA) that proposes major features of the emergency plans. For such an application, 10 CFR 52.17(b)(4) requires that the Site Safety Analysis Report (SSAR) must include a description of contacts and arrangements made with Federal, State, and local governmental agencies with emergency planning responsibilities. The SSAR must also contain any certifications that have been obtained. If these certifications cannot be obtained, the SSAR must contain information, including a utility plan, sufficient to show that the proposed plans provide reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency at the site.

Guidance regarding the specific nature of the contacts and arrangements is provided in NUREG-0800 (Standard Review Plan (SRP)), Section 13.3, "Emergency Planning," which states in Subsection II, "Acceptance Criteria" (SRP Acceptance Criteria Nos. 15 and 18), that the ESP application should include copies of letters of agreement or other certifications, reflecting contacts and arrangements made with local, State, and Federal agencies (including agreements or other arrangements with tribal agencies and private organizations) with supporting emergency responsibilities. The agreement information should be up-to-date when the application is submitted, and should reflect use of the proposed ESP site for possible construction of a new reactor (or reactors). In addition, a discussion of the details associated with any ambiguous or incomplete language in the letters of agreement should be provided in the application.

Additional guidance is provided in Section II.B, "Contacts and Arrangements," of Supplement 2 to NUREG-0654, "Criteria for Emergency Planning in an Early Site Permit Application," which states, in part, that the descriptions of contacts and arrangements should include the name and location of the organization contacted, the title and/or position of the person(s) contacted, and the role of the organization in emergency planning.

ESPA Part 2 (SSAR) Section 13.3.5, "Contacts and Agreements," states that TVA has held numerous discussions with local, state and county agencies, and emergency response organizations that currently support DOE's Oak Ridge Reservation, and that these discussions, including letters of support from the State of Tennessee and Anderson County, were productive and indicative of broad support from these organizations in further development of CRN emergency plans. In addition, TVA will maintain arrangements with surrounding emergency response organizations that currently support DOE's Oak Ridge Reservation, including an existing agreement with the Radiation Emergency Assistance Center/Training Site in Oak Ridge, TN. Section 13.3.5 further states that certification letters from the State of Tennessee, Roane County, and the City of Oak Ridge will be obtained by TVA and provided in the combined license application (COLA), and that a letter of agreement with each of the following organizations will be obtained by TVA for the CRN Site and provided in the COLA.

- Local medical facility services
- Offsite ambulance service
- Local firefighting support
- Local law enforcement agencies

The references in SSAR Section 13.3.5 to emergency response organizations that currently support Oak Ridge Reservation do not reflect an acknowledgement by those organizations of the proposed expanded responsibilities associated with the CRN Site. Pursuant to the above-referenced regulations and guidance, the submission of a description of contacts and arrangements made with Federal, State, and local governmental agencies with emergency planning responsibilities is required at the ESP application stage. In addition, the SSAR must contain any certifications that have been obtained.

Consistent with the requirements and guidance described above, please provide the following information, or explain why it is not required.

- a. Provide a copy of the three letters referenced in SSAR Section 13.3.6, "References," from the Tennessee Emergency Management Agency, Anderson County, and Roane County. Explain why there is no letter of support from the City of Oak Ridge, which is identified in SSAR Section 13.3.5, "Contacts and Arrangements," and provide a copy if one exists. In addition,

provide a copy of the existing agreement with the Radiation Emergency Assistance Center/Training Site in Oak Ridge, TN (for radiological medical support), which is referenced in SSAR Section 13.3.5.

- b. SSAR Section 13.3.5, "Contacts and Agreements," refers to certification letters that will be provided from the State of Tennessee, Roane County, and the City of Oak Ridge in the COLA. Explain why Anderson County is not included in this list of offsite agencies.
- c. For each of the local/offsite support organizations, referred to in SSAR Section 13.3.5 by the nature of the arrangements they currently provide in support of the Oak Ridge Reservation (i.e., medical, ambulance, firefighting, and law enforcement (listed above)), provide a letter of agreement, certification, or other documentation of arrangements that describes their acknowledgement of their expanded support for the CRN Site. Consistent with the requirements and guidance cited above, include the name and location of the organization contacted, the title and/or position of the person(s) contacted, and the role of the organization in emergency planning.