

From: [Hurley, Bobbie](#)
To: [Freeman, Carol](#); [Horton, Ruth M](#)
Subject: FW: Request for farmland conversion impact rating of Clinch River Reactor project
Date: Friday, October 16, 2015 8:43:13 AM
Attachments: [ClinchRiverSMRProject_AD1006_10_16_2015.pdf](#)

Bobbie Hurley
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From: Khiel, Anthony - NRCS, KNOXVILLE, TN [mailto:Anthony.Khiel@tn.usda.gov]
Sent: Friday, October 16, 2015 9:23 AM
To: Hurley, Bobbie
Subject: RE: Request for farmland conversion impact rating of Clinch River Reactor project

Bobbie:

Attached please find the AD-1006 with sections IV and V completed. If you need any additional information, please feel free to contact me at any time.

Thanks,
Anthony

Anthony Khiel, CPSS
Resource Soil Scientist
9737 Cogdill Rd
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Anthony.khiel@tn.usda.gov

From: Hurley, Bobbie [<mailto:Bobbie.Hurley@aecom.com>]
Sent: Wednesday, October 14, 2015 2:12 PM
To: Khiel, Anthony - NRCS, KNOXVILLE, TN <Anthony.Khiel@tn.usda.gov>
Cc: Horton, Ruth M <rmhorton@tva.gov>; Freeman, Carol <Carol.Freeman@aecom.com>
Subject: RE: Request for farmland conversion impact rating of Clinch River Reactor project

Anthony,

Thank you for your review. Approximately 328 acres would be permanently converted within the

CRN Site, including the entire 240-acre area previously disturbed during the CRBRP. An additional approximately 140 acres within the CRN Site would be temporarily converted as a result of construction activities, mostly to the northeast of the main plant site. Within the offsite Barge/Traffic area approximately 30 acres would be permanently converted (of which approximately 12.1 acres have been previously disturbed) and an additional 15 acres would be temporarily converted. Overall, the entire 935 acres of the CRN site would be unavailable for use as farmland because the site would be restricted access. Much of the Barge/Traffic Area is DOE property that already has restricted access. Attached is a new Figure 4 that shows the permanently and temporarily cleared areas. The GIS files for these are also included for download in the link below. If you need additional information please let me know and we will be happy to assist.

This file will be available for download until 10/21/2015

<u>File</u>	<u>Description</u>	<u>Size</u>
USDA_Figure 4 Data.zip		13,495KB
Download all files (.zip)		

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From: Khiel, Anthony - NRCS, KNOXVILLE, TN [<mailto:Anthony.Khiel@tn.usda.gov>]
Sent: Wednesday, October 07, 2015 12:31 PM
To: Hurley, Bobbie
Subject: RE: Request for farmland conversion impact rating of Clinch River Reactor project

Roberta:

I received your request for Farmland Protection Policy Act (FPPA) review of the Clinch River Reactor project and I need to get a little more information that was not in the documentation that I had forwarded to me. On the enclosed AD-1006, you have listed that the entire 1131 acres will be converted and I wanted to make sure this was correct or is the area that was manipulated in 1983-1984 the area that will be impacted by the overall project (240 acres).

Thanks for your help.
Anthony

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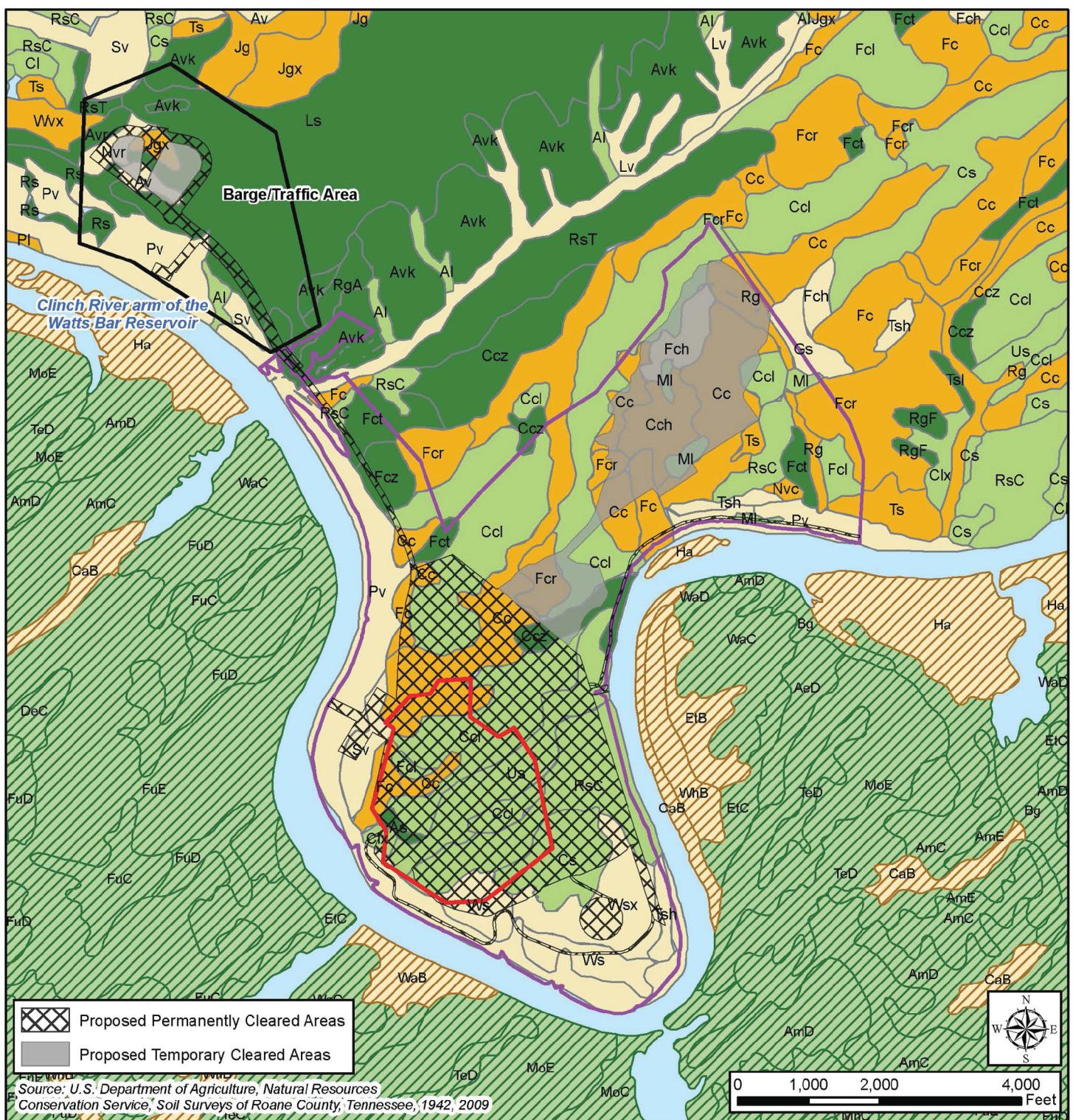


Figure 4. CRN Site Prime Farmland Soils

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 9/30/15			
Name Of Project Clinch River SMR Project		Federal Agency Involved Tennessee Valley Authority			
Proposed Land Use Small modular reactor (SMR) facility		County And State Roane County, Tennessee			
PART II (To be completed by NRCS)		Date Request Received By NRCS 10/8/15			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated na	Average Farm Size 88 acres
Major Crop(s) corn	Farmable Land In Govt. Jurisdiction Acres: 19,476	% 8	Amount Of Farmland As Defined in FPPA Acres: 100,596 % 40		
Name Of Land Evaluation System Used LESA	Name Of Local Site Assessment System na			Date Land Evaluation Returned By NRCS 10/16/15 <i>APL 10/12</i>	
PART III (To be completed by Federal Agency)		Alternative Site Rating			
A. Total Acres To Be Converted Directly		Site A 1,131.0	Site B	Site C	Site D
B. Total Acres To Be Converted Indirectly		0.0			
C. Total Acres In Site		1,131.0	0.0	0.0	0.0
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		178.0			
B. Total Acres Statewide And Local Important Farmland		0.0			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		0.2			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		0.9			
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		37	0	0	0
PART VI (To be completed by Federal Agency) Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))		Maximum Points			
1. Area In Nonurban Use		15			
2. Perimeter In Nonurban Use		10			
3. Percent Of Site Being Farmed		0			
4. Protection Provided By State And Local Government		0			
5. Distance From Urban Builtup Area		15			
6. Distance To Urban Support Services		0			
7. Size Of Present Farm Unit Compared To Average		0			
8. Creation Of Nonfarmable Farmland		10			
9. Availability Of Farm Support Services		5			
10. On-Farm Investments		0			
11. Effects Of Conversion On Farm Support Services		0			
12. Compatibility With Existing Agricultural Use		10			
TOTAL SITE ASSESSMENT POINTS		160	65	0	0
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100	37	0	0
Total Site Assessment (From Part VI above or a local site assessment)		160	65	0	0
TOTAL POINTS (Total of above 2 lines)		260	102	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

Reason For Selection: