



*Designated Original*

System Energy Resources, Inc.  
1340 Echelon Parkway  
Jackson, MS 39286-1995

CNRO-2005-00045

September 3, 2005

U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
Attention: Document Control Desk

DOCKET: 52-009

SUBJECT: Response to Request for Additional Information Regarding the Grand Gulf Early Site Permit Draft Safety Evaluation Report Open Item 2.3-5 (TAC MC 1378)

REFERENCE:

1. System Energy Resources, Inc. (SERI) letter to USNRC – Early Site Permit Application (CNRO-2003-00054), dated October 16, 2003.
2. USNRC letter to SERI – Potential Open Items for the Draft Safety Evaluation Report for the Grand Gulf Early Site Permit Application (CNRI-2005-00003), dated March 24, 2005.
3. USNRC letter to SERI – Draft Safety Evaluation Report for the Grand Gulf Early Site Permit Application (CNRI-2005-00004), dated April 7, 2005.
4. SERI letter to USNRC – Response to Request for Additional Information to Resolve the Grand Gulf Early Site Permit Draft Safety Evaluation Report Open Items (CNRO-2005-00033), dated June 21, 2005.

CONTACT:

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On July 19, 2005, the NRC requested additional information relating to DSER Open Item 2.3-5. Reference 4 contained incorrect numbers for the "No Decay Undepleted" data for the Nearest Milk Cow and Nearest Meat Cow.

This letter transmits corrected information as outlined in Attachment 1 to this letter; included are the corrected pages of Environmental Report (ER) Table 2.7-117 and SSAR Table 2.3-143. Should you have any questions, please contact me.

*7069*

I declare under penalty of perjury that the foregoing is true and correct.

Executed on September 3, 2005.

Sincerely,

A handwritten signature in black ink, appearing to read 'George A. Zinke', with a stylized, cursive script.

George A. Zinke  
Project Manager  
System Energy Resources, Inc.

Attachment: GGNS ESP Part 2; SSAR; Table 2.3-143 (sheet 2 of 2)  
GGNS ESP Part 3; Environmental Report; Table 2.7-117 (Sheet 2 of 2)

cc: Mr. R. K. Anand, USNRC/NRR/DRIP/RNRP  
Mr. C. Brandt, PNL  
Ms. D. Curran, Harmon, Curran, Spielberg, & Eisenberg, L.L.P.  
Mr. W. A. Eaton (ECH)  
Mr. B. S. Mallett, Administrator, USNRC/RIV  
Mr. J. H. Wilson, USNRC/NRR/DRIP/RLEP

Resident Inspector's Office: GGNS

GGNS  
EARLY SITE PERMIT APPLICATION  
PART 2 – SITE SAFETY ANALYSIS REPORT

TABLE 2.3-143 (Continued)

Location	Direction	Distance (miles) <sup>2</sup>	Distance (meters)	$\chi/Q$ (sec/m <sup>3</sup> ) No Decay Undepleted	$\chi/Q$ (sec/m <sup>3</sup> ) No Decay Depleted	D/Q (per sq. meter)
NEAREST HOME	E-SE	1.06	1708	4.1E-07	3.5E-07	1.5E-09
NEAREST HOME	SE	2.39	3843	1.3E-07	1.0E-07	3.7E-10
NEAREST HOME	S-SE	1.42	2283	4.5E-07	3.9E-07	2.0E-09
NEAREST GARDEN	S	3.45	5548	1.8E-07	1.4E-07	5.2E-10
NEAREST GARDEN	S-SW	1.05	1686	2.0E-06	1.7E-06	4.4E-09
NEAREST GARDEN	N	1.49	2404	8.0E-07	6.8E-07	2.3E-09
NEAREST GARDEN	E-NE	0.63	1021	1.7E-06	1.5E-06	5.4E-09
NEAREST GARDEN	E-SE	1.06	1701	4.1E-07	3.6E-07	1.6E-09
NEAREST GARDEN	SE	4.17	6704	5.5E-08	4.2E-08	1.4E-10
NEAREST GARDEN	S-SE	4.70	7561	7.0E-08	5.3E-08	2.4E-10
RV AREA	E-NE	0.39	620	4.1E-06	3.8E-06	1.2E-08
ESC	N-NW	0.20	314	2.9E-05	2.7E-05	6.0E-08
GIN LAKE	W-NW	0.46	747	1.6E-05	1.4E-05	1.5E-08
HAMILTON LAKE	W	0.55	884	1.8E-05	1.6E-05	1.3E-08
SITE GARDEN	S-SE	0.69	1107	1.5E-06	1.4E-06	6.8E-09
NEAREST MILK COW	S-SW	10	16093	7.0E-08	4.7E-08	8.7E-11
NEAREST MEAT COW	S	4	6437	1.4E-07	1.1E-07	4.0E-10

**NOTES:**

1. Combined vent – Ground Level Releases Only.
2. Distances are corrected for the approximate difference between GGNS Unit 1 location and the ESP facility location. For example, dose analyses were done using a distance of 0.63 miles for the nearest garden, based on the distance of 0.67 miles given in ER Section 2.7 Reference 29 for this receptor location.

GGNS  
EARLY SITE PERMIT APPLICATION  
PART 3 – ENVIRONMENTAL REPORT

TABLE 2.7-117 (Continued)

Location	Direction	Distance (miles) <sup>2</sup>	Distance (meters)	X/Q (sec/m <sup>3</sup> ) No Decay Undepleted	X/Q (sec/m <sup>3</sup> ) No Decay Depleted	D/Q (per m <sup>2</sup> )
NEAREST HOME	E-SE	1.06	1708.	4.1E-07	3.5E-07	1.5E-09
NEAREST HOME	SE	2.39	3843.	1.3E-07	1.0E-07	3.7E-10
NEAREST HOME	S-SE	1.42	2283.	4.5E-07	3.9E-07	2.0E-09
NEAREST GARDEN	S	3.45	5548.	1.8E-07	1.4E-07	5.2E-10
NEAREST GARDEN	S-SW	1.05	1686.	2.0E-06	1.7E-06	4.4E-09
NEAREST GARDEN	N	1.49	2404.	8.0E-07	6.8E-07	2.3E-09
NEAREST GARDEN	E-NE	0.63	1021.	1.7E-06	1.5E-06	5.4E-09
NEAREST GARDEN	E-SE	1.06	1701.	4.1E-07	3.6E-07	1.6E-09
NEAREST GARDEN	SE	4.17	6704.	5.5E-08	4.2E-08	1.4E-10
NEAREST GARDEN	S-SE	4.70	7561.	7.0E-08	5.3E-08	2.4E-10
RV AREA	E-NE	0.39	620.	4.1E-06	3.8E-06	1.2E-08
ESC	N-NW	0.20	314.	2.9E-05	2.7E-05	6.0E-08
GIN LAKE	W-NW	0.46	747.	1.6E-05	1.4E-05	1.5E-08
HAMILTON LAKE	W	0.55	884.	1.8E-05	1.6E-05	1.3E-08
SITE GARDEN	S-SE	0.69	1107.	1.5E-06	1.4E-06	6.8E-09
NEAREST MILK COW	S-SW	10	16093	7.0E-08	4.7E-08	8.7E-11
NEAREST MEAT COW	S	4	6437	1.4E-07	1.1E-07	4.0E-10

NOTES:

1. Combined vent – Ground Level Releases Only.
2. Distances are corrected for the approximate difference between GGNS Unit 1 location and the ESP facility location. For example, dose analyses were done using a distance of 0.63 miles for the nearest garden, based on the distance of 0.67 miles given in ER Section 2.7 Reference 29 for this receptor location.