

RAS 12681

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

DOCKETED 12/18/06

ATOMIC SAFETY AND LICENSING BOARD

SERVED 12/18/06

Before Administrative Judges:

Lawrence G. McDade, Chairman
Nicholas G. Trikouros
Dr. Richard E. Wardwell

In the Matter of

SYSTEM ENERGY RESOURCES, INC.

(Early Site Permit for Grand Gulf ESP Site)

Docket No. 52-009-ESP

ASLBP No. 04-823-03-ESP

December 18, 2006

ORDER

(Adopting Transcript Corrections)

Before the Licensing Board are motions submitted by the NRC Staff and System Energy Resources, Inc., requesting that certain corrections be made to the transcripts of the November 29, November 30, and December 1, 2006 evidentiary hearing sessions in this proceeding.¹

Being that neither of the parties object to the proposed corrections, the Board hereby adopts those corrections and the transcript of the evidentiary hearing held on November 29, November 30, and December 1, 2006 is revised per Appendix A to this Order.

It is so ORDERED.

FOR THE ATOMIC SAFETY
AND LICENSING BOARD²

/RA/

Lawrence G. McDade, Chairman
ADMINISTRATIVE JUDGE

Rockville, Maryland
December 18, 2006

¹ [NRC Staff] Transcript Corrections (Dec. 11, 2006); System Energy Resources, Inc.'s Motion Requesting Transcript Corrections (Dec. 11, 2006).

² Copies of this Order were sent this date by Internet e-mail transmission to counsel for (1) applicant SERI; and (2) the NRC Staff.

Appendix A

Corrections to November 29, November 30, December 1, 2006 Transcript for Grand Gulf ESP Site (Docket No. 52-009-ESP) Mandatory Hearing

Page	Line	Correction
passim		Change "sheer" to "shear"
passim		Change "Constantino" to "Costantino"
passim		Change "Klamentowicz" to "Klementowicz"
passim		Change "Wonder" to "Wunder" (e.g., "George Wunder," "WITNESS WUNDER," and "Mr. Wunder")
passim		Change "Ramsdale" to "Ramsdell" (e.g., "Van Ramsdell," "WITNESS RAMSDELL," "Dr. Ramsdell," and "Mr. Ramsdell")
passim		Change "MEMBER HICKEY" to "WITNESS HICKEY"
passim		Change "times 10-" to "times 10 to the minus" (e.g., "2.4 times 10-7" is changed to "2.4 times 10 to the minus 7")
passim		Change "NETVAD" to "NETVAC"
53	16	Add "TISON CAMPBELL, ESQ." after "ROBERT WEISMAN, ESQ."
58	2	Change "Clayborn" to "Clayborne"
66	6	Change "System Energy Resource," to "System Energy Resources,"
83	8	Change "we have any objections we'll make them" to "we have any objections, we'll make them"
85	18	Change "clean copies per your instruction yesterday" to "clean copies, per your instruction yesterday,"
90	22	Change "as witnesses by way of background Lori Evans," to "as witnesses, by way of background, Lori Evans,"
92	25	Change "Brook Haven" to "Brookhaven"
94	17	Change "wishes to to start" to "wishes to start"
95	11	Change "mic" to "microphone"
96	10	Change "2576" to "2.5-76"
96	12	Change "25-75" to "2.5-75"
103	4	Change "surface to the site" to "surface at the site"
106	15	Change "used especially" to "used, especially"
107	1	Delete "to the loess"

108	1	Change “so it has an” to “so it has”
108	3	Change “approximately a -70” to “approximately at -70”
108	21	Change “Catahoulas” to “Catahoula”
110	13	Change “zone” to “design”
119	18-19	Change “put the base mount of the reactor” to “put the basemat of the reactor”
122	8	Change “profiled” to “provided”
122	16	Change “governed” to “governs”
123	8	Change “phase and it will” to “phase. It will”
124	24	Change “during that process take samples” to “during that process, take samples”
125	24	Change “On Staff Exhibit 41 the area” to “On Staff Exhibit 41, the area”
127	25	Change “ingratiating” to “in gray shading”
128	1	Change “that” to “the”
128	5	Change “cross-section. And there” to “cross-section, and there”
128	24	Change “occurred. And the fill” to “occurred, and the fill”
129	2	Change “ESP area, they in-filled” to “ESP area; they in-filled”
130	5	Change “it's” to “is”
130	6	Change “but they have” to “that have”
130	10	Change “investigation. And these” to “investigation, and these”
130	11	Delete “they’re”
130	12	Change “mark. And that” to “mark. That”
131	11	Change “area. And that actually” to “area. That actually”
131	15	Change “a tributary drainage” to “the tributary drainage”
132	4	Change to “maps that extend” to “map that extends”
133	22	Change “Figure 2.5” to “Figure 2.5-37”
136	18	Change “planned” to “plant”
139 140	10 8	Change “solutioning” to “dissolutioning”
143	1	Add “hundred” after “several”

145	25	Delete the word "but"
148	1	Change "to a COL Action Item 2.5-8" to "to COL Action Item 2.5-8"
162	19	Change "experiment" to "expert"
164	20	Change "and have him" to "and we have him"
168	22	Change "empaneled" should read "impaneled"
171	25	Change "negligent" to "negligible"
179	12	Change "1.032 and 1.038" to "1.132 and 1.138"
192	18	Change "MS. SUTTON: -wave" to "S-wave"
198	17	Change "pass" to "path"
206	9	Change "population" to "operation"
207	19	Change "As a matter of law before" to "As a matter of law, before"
207	23	Change "So they can answer but it is purely" to "So they can answer, but it is purely"
220	21	Change "sole source for designation" to "sole source aquifer designation"
226 285 286	3 23 18	Change "Yung" to "Yong"
227	20	Change "plant design operation until" to "plant design, operation, until"
233	2	Change "characteristics. Conformance" to "characteristics; conformance"
234	2	Change "data revision" to "date revision"
249	18	Change "to Issue B it seems that" to "to Issue B, it seems that"
254	5	Add "it" after "back"
256	12	Change "Part 20. Should" to "Part 20 should"
262	25	Change "distributor" to "distributed"
265	5	Change "No, Your Honor, we're ready" to "No, Your Honor. We're ready"
265	11	Change "On behalf of the applicant" to "On behalf of the applicant,"
284	15	Change "We do now have marked the copy" to "We now have the marked copy"

289	3	Change "P ground acceleration" to "peak ground acceleration"
289	12	Change "that" to "the"
289	20	Change "design of" to "and design of"
289	22	Change "And at" to "At"
292	2	Change "0.19gpga" to "0.19g pga"
299	8	Change "also add some" to "also to add some"
299	13	Change "tri-axial sheer tests" to "triaxial shear tests"
299	15	Change "those tri-axial tests" to "the triaxial tests"
299	17	Change "loess and based" to "loess based"
299	19	Change "square foot. So relatively high values" to "square foot; relatively high values"
301	14	Change "the site all expose loess" to "the site: all expose loess"
301	24	Change "good model of the long-term performance" to "good model for the long-term performance"
302	5	Change "that that is a likely scenario" to "that it is a likely scenario"
303	1	Change "on that plan map," to "on the plan map,"
304	3	Change "projected a hypothetical plane" to "projected hypothetical plane"
309	16	Change "Action Items 210 and 11" to "Action Items 10 and 11"
315	16	Add "TISON CAMPBELL, ESQ." after "ROBERT WEISMAN, ESQ."
319	3	Change "nd" should be "and"
322	15	Change "whole report in unless" to "whole report unless"
324	19	Change "exhibit" to "exhibits"
325	6	Change "We can do that at break." to "We can do that at the break."
326	25	Change "60" to "50"
331	11	Change "Fail" to "Vail"
332	19	Change "assessments, regional" to "assessments and regional"
335	10-11	Change "construction, operation" to "construction and operation"
335	22	Change "a local economy" to "the local economy"
336	20	Change "collocated" to "co-located"

340	17	Change “EIS” to “an EIS”
340	18	Change “NEAP” to “NEPA”
341	18	Change “dissipational” to “dissipation”
342	16	Change “It’s” to “Its”
347	19	Change “plan” to “plant”
355	2	Change “COR” to “COL”
355	4	Change “I’m required to is look” to “I’m required to do is look”
364	20	Change “I can provided you with” to “I can provide you with”
364	23	Change “license renewal space we go through” to “license renewal space, we go through”
365	4	Change “Ms. Zinke is” to “Mr. Zinke has”
365	6	Change “on site” to “on-site,”
371	1	Change “plant” to “plants”
371	22	Change “plant” to “plants”
371	23	Change “Extension” to “The extension”
371	25	Change “option, that’s” to “option is”
372	1	Change “vote” to “load”
372	6	Delete “and COL”
373	5	Change “assume” to “assumes”
373	7	Change “error” to “air”
373	13	Change “ecological” to “and ecological”
374	3	Change “fact” to “stack”
374	5	Change “impact” to “impacts”
374	20	Change “signal” to “single”
378	20	Change “disruption” to “construction”
378	25	Change “cited” to “sited”
379	10	Delete “the”
379 381	13 23	Change “SER catalysts” to “SCR catalysts”

383	13	Change “216(b)” to “316(b)”
386	6	Change “WITNESS CESARE” to “WITNESS VAIL”
396	11-12	Change “forests. A lot of them lay in” to “forest, bottomland”
396	17	Change “show” to “shown”
396	19	Change “Southeaster” to “southeastern”
397	1	Change “red bellied” to “redbelly”
401	3	Change “red bellied” to “redbelly”; change “turtle” to “turtles”
402	7	Change “the entry” to “an”
403	15	Change “site” to “sites”
403	18	Change “instruction” to “construction”
404	8	Change “end result” to “unresolved”
409	18	Change “radio” to “radial”
414	22	Change “cited” to “sited”
416	7	Change “or you” to “or your”
423	9	Change “they include John Cesare” to “They include John Cesare”
424	17	Change “Slide 1 to Slide 1” to “Slide 1 to Slide 2”
425	3	Change “increased” to “increase”
426	7	Change “an” to “and”
428	2-3	Change “Beyond site” to “On-site”
432	18	Change “plant” to “the plant”
433	8, 20	Change “variably” to “a variably”
434	4	Change “impacts in” to “impacts, and”
435	21	Change “operation. Regulatory” to “operation, regulatory”
436	3	Change “public biota” to “public and biota”
436	15	Change “could” to “did”
436	24	Change “resolve” to “resolved”
437	15	Change “with” to “was”
437	17	Change “in” to “and”

439	11	Change “EPS” to “EPA’s”
442	22	Change “result so four ” to “results of our”
446 475	6-7 17	Change “Dan” to “Van”
449	4	Change “PP” to “PPE”
452	25	Change “design” to “designs”
454	4	Change “bioaccumulation factor, conversion factor.” to “bioaccumulation factor and dose conversion factor.”
458	19 & 21	Delete quotation marks
464	6	Change “NASLB” to “and ASLB”
466	25	Add “of” after “because”
467	1	Add “and” after “information”
467	3	Change “detail” to “detailed”
467	17	Change “substitute to 0654, that they specifically described” to “Supplement 2 to -0654, that they should specifically describe”
468	6	Change “we” to “they”
469	1	Change “an” to “and”
470	25	Change “Sub” to “Supp.”
471	3	Change “or” to “their”
471	4	Change “at” to “their”
471	20	Change “area” to “provided”
471	20	Delete “I”
479	10	Change “so far in the issues” to “so far and in the issues”
480	5	Change “no redress planned.” to “no redress plan.”
480	6	Change “that would have gone into” to “that it would have gone into”
481	21	Change “electronic files, and then” to “electronic files --, and then”
488	8	Change “certain” to “certainly”
498	1	Change “pi over Q” to “CHI over Q”
505	2	Change “Twenty units” to “Twin units”

508	16	Change “from GE NEI guidance to our PP application tables” to “from the NEI guidance to our PPE application tables”
510	25	Change “for an ESP at COL. The site” to “for an ESP. At COL the site”
517	7	Change ““noes” in the exhibit” to “‘NOS’ in the exhibit”
518	23	Change “At COL per 52-79” to “At COL per 52.79”
519	4	Change “be per 52-93” to “be per 52.93”
519	21	Change “unit module basis” to “unit/module basis”
522	6	Change “for the PP parameters” to “for the PPE parameters”
522	11	Change “flow-down temperature” to “blow-down temperature”
524	22	Change “cold stage” to “COL stage”
527	9	Change “parameter 2.5-2” to “parameter 2.5.2”
534	22	Change “released” to “releases”
536	9	Change “PBE” to “PPE”
536	25	Change “values” to “value is”
537	17	Delete “one”
538	23	Change “A-23” to “A-3”
543	18	Change “PCE” to “PPE”
546	16	Change “go in” to “going”
546	18	Change “sa” to “as”
550	16	Change “HR-700” to “ACR-700”
550	20	Change “MCCS II” to “MACCS2”
552	25	Change “cryptons” to “kryptions”
557	25	Change “lab” to “laugh”
564	23	Change “Just a minor this.” to “Just a minor one.”
564	25	Change “Mr. Ramsdale said that the 8,500” to “Mr. Ramsdale said that the 85,000”
565	1	Change “versus 7,800 flow rate” to “versus 78,000 flow rate”
565	2	Change “for the Unit 1” to “for by the Unit 1”
571	3	Change “transmission” to “transition”

574	21, 23, 24	Change “insure” to “ensure”
575	4	Change “in” to “and”
575	6, 10	Change “insures” to “ensures”
576	6	Change “in” to “and”
576	23	Change “prepare” to “prepared”
577	4	Change “alternatives” to “alternative”
577	14	Change “continue” to “continued”
578	14	Change “5141” to “51.41”
578	23	Change “5120” to “51.20”
579	12	Change “to specific” to “to, specific”
579	17	Change “5239” to “52.39”
581	3	Change “issue” to “issues”
583	6	Change “issues” to “issuance”
584	7	Change “Vogel” to “Vogtle”
586	17	Change “document” to “documented”
588	15	Change “no” to “not”
592	7	Change “A permit condition for 5224” to “A permit condition, per 52.24,”
592	10	Change “Section 8.2” to “Section A.2”
598	3	Change “rad waste” to “radwaste”
600	7	Change “staff witnesses prior with” to “staff witnesses with”
606	15	Add “TISON CAMPBELL, ESQ.” after “ROBERT WEISMAN, ESQ.”
609	16	Change “reporter system.” to “reporter.”
611	2	Change “contact your” to “contact the”
611	7	Change “on an expedited basis, a highly unusual circumstance” to “on an expedited basis; this is a highly unusual circumstance”
612	16	Change “George Zinke, the applicant.” to “George Zinke, for the applicant.”
618	5	Change “adherence” to “adhering”
618	11	Change “congestion” to “ingestion”

628	5	Change “bounced” to “bounded”
628	6	Change “ABWRs to surrogate” to “ABWRs, two surrogate”
633	23	Change “pocket” to “pocketbook”
644	1	Change “all” to “old”
644	9	Delete “that”
644	18	Change “currents” to “occurrence”
644	20	Change “rector” to “reactor”
645	2	Change “recall” to “report”
645	20	Change “drafted” to “dropped”
646	9	Change “insulin” to “instrument”
646	10	Change “CBCS” to “CVCS”
646	12	Change “PWR” to “BWR”
647	5 & 6	Change “lot water” to “locked rotor”
648	6	Change “efficient” to “fission”
649	11	Change “both” to “Board’s”
649	16-17	Change “lot water” to “locked rotor”
652	13 & 14	Change “efficient” to “fission”; change “competition” to “combination”
655	19 & 21	Change “efficient” to “fission”
656	12	Change “Teddy” to “TEDE”
659	17	Change “briefing” to “breathing”
659	23	Change “FDSP” to “ESP”
660	1, 3 & 6	Change “briefing” to “breathing”
660	2	Change “devalued” to “divided”
663	1	Change “certain” to “certified”
664	14	Change “ABL” to “ABWR”
686	6	Change “exhibit” to “example at”
692	14	Change “cost” to “code”
696	10	Change “late” to “latent”
710	1	Change “pat” to “part”

710	3	Change "7-11.22" to "71122"
726	7	Change "Dr. Yung Li" to "Dr. Yong Li"
730	2	Change "be" to "by"
742	25	Change "cited" to "sited"
747	4	Change "Both" to "The Board"
747	21	Change "a step we could not use" to "Staff, we did not use"
748	12	Insert "in" before "2003" and insert "an" before "ETE"
748	17	Change "suing" to "using"
749	5	Change "form" to "from"
771	13	Change "require" to "required"
772	14	Change "Action" to "Act"
775	25	Change "innovative" to "integrated"
782	8	Change "52.47(a)(1)(3)(i)" to "52.47(a)(1)(iii)"
782	15	Change "is" to "in"
790	5	Change "were" to "or"
792	5	Change "52.9" to "52.39"
794	14	Change "regulator problem" to "regulatory problem"
794	18	Change "there" to "their"

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
SYSTEM ENERGY RESOURCES, INC.) Docket No. 52-009-ESP
)
)
(Early Site Permit for Grand Gulf ESP Site))

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing LB ORDER (ADOPTING TRANSCRIPT CORRECTIONS) have been served upon the following persons by U.S. mail, first class, or through NRC internal distribution.

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Docket No. 52-009-ESP
LB ORDER (ADOPTING TRANSCRIPT CORRECTIONS)

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[Original signed by Evangeline S. Ngbea]

Office of the Secretary of the Commission

Dated at Rockville, Maryland,
this 18th day of December 2006