

October 31, 2023

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION  
BEFORE THE COMMISSION

In the Matter of )  
 )  
KAIROS POWER LLC ) Docket No. 50-7513-CP  
 )  
(Hermes Test Reactor)

JOINT PROPOSED TRANSCRIPT CORRECTIONS

Pursuant to the Commission's October 24, 2023, Order (Setting Deadline for Proposed Transcript Corrections), the staff of the U.S. Nuclear Regulatory Commission and Kairos Power LLC jointly propose corrections to the October 19, 2023, transcript for the Kairos Hermes mandatory hearing. The proposed corrections are listed in the attachment to this filing by transcript page and line number, with instructions regarding how the current text of the transcript should be modified.

Respectfully submitted,  
**/Signed (electronically) by/**  
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**Executed in accord with 10 C.F.R. § 2.304(d)**

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Dated at Rockville, Maryland,  
this 31st day of October, 2023

Page	Line	Now Reads	Should Read	Speaker
3	12	Kairos'	Kairos's	Chair Hanson
3	15	fluoride, salt-cooled high	fluoride, salt-cooled, high	Chair Hanson
3	16	isotopic	isotropic	Chair Hanson
7	12	Kairos'	Kairos's	Chair Hanson
9	4	Kairos'	Kairos's	Chair Hanson
9	10	Kairos'	Kairos's	Mr. Lighty
14	21	world to transition	world's transition	Mr. Laufer
15	10	fluoride, salt-cooled high	fluoride, salt-cooled, high	Mr. Laufer
15	13	FLiBe	Flibe	Mr. Laufer
16	2	works	work	Mr. Laufer
16	7	complimentary	complementary	Mr. Laufer
17	2	FLiBe	Flibe	Mr. Laufer
17	11	FLiBe	Flibe	Mr. Laufer
17	23	FLiBe	Flibe	Mr. Laufer
18	13	is just a	serves a	Mr. Laufer
18	18	manufacturing uncertainty, and as well as build uncertainty.	manufacturing certainty, and as well as build certainty.	Mr. Laufer
21	1	FLiBe	Flibe	Mr. Laufer
21	20	Also just set	Also just that	Mr. Laufer
22	20	in FHR	an FHR	Mr. Peterson
23	8	including nuclear function	including nuclear functions	Mr. Peterson
23	20	thin-wall	thin-walled	Mr. Peterson
24	6	margin-to-fuel	margin to fuel	Mr. Peterson
29	3	say focus	stay focused	Mr. Laufer
40	18	...core tenant	...core tenet	Mr. Laufer
42	13	models makes	model makes	Commissioner Crowell
44	23	Kairos'	Kairos's	Mr. Taylor
45	19	risks informed	risk informed	Mr. Taylor
45	19	Established risks informed	Established risk-informed	Mr. Taylor
46	13-4	advance reactor	advanced reactor	Mr. Taylor
46	17	review	reviews	Mr. Taylor
46	18	advance reactor	advanced reactor	Mr. Taylor
46	13	...future advance	...future advanced	Mr. Taylor
46	17	Part 50 to advanced	Part 50 to an advanced	Mr. Taylor
46	18	advance reactor	advanced reactor	Mr. Taylor
47	20	Kairos'	Kairos's	Mr. Shams
48	6	review	reviews	Mr. Shams
48	6	acceptance review are a key	acceptance reviews are a key	Mr. Shams
49	8	mind set	mindset	Mr. Shams

50	14	Kairos'	Kairos's	Mr. Shams
50	16	applicant	applicant's	Mr. Shams
50	24	pay dividends	paid dividends	Mr. Shams
51	15	Kairos'	Kairos's	Mr. Bowen
51	21	FliBe	Flibe	Mr. Bowen
51	22	FliBe	Flibe	Mr. Bowen
52	11	FliBe	Flibe	Mr. Bowen
52	19	FliBe	Flibe	Mr. Bowen
53	1	both, a risk-informed	both a risk-informed	Mr. Bowen
53	6	perspective. Considering	perspective, considering	Mr. Bowen
56	14	51, these	51. These	Mr. Bowen
57	6	both, virtual	both virtual	Mr. Regan
59	16	record of decision	Record of Decision	Mr. Regan
59	17	states,	states:	Mr. Regan
60	6	fields. Including	fields, including	Mr. Regan
61	1	alternatives,	alternative	Mr. Regan
61	14	cost,	cost-	Mr. Regan
61	21	request	requests	Mr. Regan
62	10	Safety Environmental	Safety and Environmental	Mr. Regan
62	15	Kairos'	Kairos's	Mr. Taylor
64	8	some their	some of their	Mr. Shams
64	12	its	it is	Mr. Shams
64	13	seismic isolations	seismic isolation	Mr. Shams
65	4	it's to	it's up to	Mr. Taylor
66	16	Kairos'	Kairos's	Mr. Taylor
67	9	rule	rules	Mr. Shams
70	17	through General Counsel's	through the General Counsel's	Mr. Shams
71	14	applications.	application.	Mr. Bowen
72	12	achieved	approved	Mr. Bowen
73	7	enhanced	enhance	Mr. Taylor
73	21	Hermes I and Hermes II	Hermes 1 and Hermes 2	Commissioner Crowell
74	1	Hermes II	Hermes 2	Commissioner Crowell
74	3	Hermes I and II	Hermes 1 and 2	Commissioner Crowell
74	6	Hermes II	Hermes 2	Mr. Taylor
74	9	Hermes II	Hermes 2	Mr. Taylor
74	18	Hermes II	Hermes 2	Mr. Taylor
74	23	the Hermes II	Hermes 2	Mr. Taylor
77	11	license	licensed	Mr. Taylor
78	5	at molten salt reactor experiments	at the Molten Salt Reactor Experiment	Mr. Shams

78	7	This where	This is where	Mr. Shams
78	12	also	all	Mr. Shams
80	10-11	first one of the gate	first one out of the gate	Mr. Taylor
80	12	Hermes II	Hermes 2	Mr. Taylor
80	22	Hermes I	Hermes 1	Chair Hanson
84	7	buoyant to	buoyant in	Mr. Blandford
84	12	It's	Its	Mr. Blandford
85	13	radionuclides the	radionuclides, the	Mr. Blandford
86	20	KPTR-012-PA	KP-TR-012-PA	Mr. Blandford
87	21	Branch II	Branch 2	Mr. Chereskin
87	24	Branch II	Branch 2	Ms. Hart
88	4	Branch II	Branch 2	Ms. Siwy
90	14	determined to most	determined to be most	Mr. Jessup
91	20	Kairos'	Kairos's	Mr. Helvenston
91	21	the site determined	The Staff determined	Mr. Helvenston
92	14	Kairos'	Kairos's	Mr. Helvenston
93	2	ACRS'	ACRS's	Mr. Helvenston
93	6	Kairos'	Kairos's	Chair Hanson
93	6	efficient was thorough	efficient and thorough	Mr. Helvenston
93	20	These related	These are related	Mr. Helvenston
97	21	Kairos'	Kairos's	Mr. Chereskin
97	22	Kairos'	Kairos's	Mr. Chereskin
98	8	mitigate	mitigates	Mr. Chereskin
103	11	Kairos'	Kairos's	Ms. Hart
103	7	The radiologic consequence analysis	The radiological consequence analysis	Ms. Hart
107	4	Thank for	Thank you for	Commissioner Caputo
107	7	Kairos'	Kairos's	Commissioner Caputo
108	19	necessarily accept or expect	necessarily expect	Mr. Jessup
110	4	questioning	question	Mr. Jessup
110	8	actually a asset	actually an asset	Mr. Jessup
112	20	MR. JESSUP	MR. HELVENSTON	Mr. Helvenston
113	6	MR. JESSUP	MR. HELVENSTON	Mr. Helvenston
113	22	Section(a)(2)	Section A.2	Mr. Jessup
115	14	function containment	functional containment	Chair Hanson
116	7	we disburse that focus	we disperse that focus	Ms. Hart
116	23	stage then	stage then.	Chair Hanson
117	20	to go on	to go in	Mr. Laufer
119*	9*	power reactor	test reactor	Mr. Hastings
119	24	it's	its	Mr. Hastings
121	10	25 percent	20, 5 percent	Mr. Jessup

124	11	ever	every	Mr. Hastings
127	22	Tam	Tamsen	Mr. Doub
128	11	that	about	Mr. Erwin
128	14	environmental impact described	environmental impact statement described	Mr. Erwin
130	6	it's	its	Ms. Dozier
131	19	Tammy	Tami	Mr. Doub
133	22-23	threaten, or endanger a species	threatened or endangered species	Mr. Doub
135	10	as received	received	Mr. Erwin
140	22-23	NRC Dose	NRC Dose	Mr. Palmrose
140	24	in mind the case	in mind in the case	Mr. Palmrose
141	6	MR. PALMROSE: No. But say here because you may have	COMMISSIONER CROWELL: No. But stay here because you may have	Commissioner Crowell
141	17	covered under possibly the accident section	covered under the postulated accident section	Mr. Palmrose
142	4	cause	because	Mr. Hastings
142	7	The tritium inventory collected b the	The tritium inventory collected by the	Mr. Hastings
144	4	just	justice	Chair Hanson
145	12	I'll just that	I'll just add that	Mr. Doub
145	24	in a jet stream pathway	ingestion pathway	Chair Hanson
149	8	Tammy	Tami	Mr. Doub
153	3	NREC	NRIC	Mr. Erwin
153	21	FIPSE	FPISC	Mr. Erwin
159	22	with the 10 CFR	with 10 CFR	Mr. Taylor
160	4	Commissioner's	Commissioners'	Chair Hanson
161	18	for your hard.	for your hard work.	Commissioner Wright

*\*Note: The error at Page 119, Line 9, was corrected on the record before the conclusion of the Hearing, as indicated at Page 124, Line 6.*

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CERTIFICATE OF SERVICE

I hereby certify that the JOINT PROPOSED TRANSCRIPT CORRECTIONS, dated October 31, 2023, has been filed through the E-Filing system this 31st day of October, 2023.

Respectfully submitted,  
**/Signed (electronically) by/**  
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