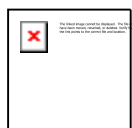


From: Darrell Gardner <gardner@kairospower.com>
Sent: Tuesday, November 16, 2021 9:41 AM
To: Beasley, Benjamin
Cc: Peter Hastings
Subject: [External_Sender] Re: CR issue

Ben,
Here is a brief summary of our briefing call with you on Nov 10 for your records:

During ongoing development of the Hermes design, preliminary test results have indicated Flibe-nitrate mixing may result in operational challenges. While the preliminary assessment is that these challenges do not impact the Hermes safety case (the intermediate heat exchanger and the entire intermediate loop are not safety related), Kairos Power is evaluating replacing nitrate as an intermediate coolant with a different, appropriately compatible salt, in order to minimize operational challenges. We are tracking the possible changes and will provide an update to the staff if/when a change is made.

Please let me know if you have any questions.



Darrell Gardner Sr. Director, Licensing
p 704.769.1226 e gardner@kairospower.com
2115 Rexford Rd, Suite 325, Charlotte, NC 28211
www.kairospower.com



From: "Beasley, Benjamin" <Benjamin.Beasley@nrc.gov>
Date: Monday, November 15, 2021 at 3:26 PM
To: Darrell Gardner <gardner@kairospower.com>
Subject: CR issue

CAUTION: This email originated from outside of the organization.

Darrell,

Thanks again for calling last week about your condition report. We are working toward acceptance next week if we can get the documents approved. I would like to refer to your change to the intermediate salt in the acceptance letter. If you could send us the CR or some other written heads up this week that I could use as an agency record, that would be helpful.

Thanks.

Ben

Hearing Identifier: KairosPower_CPDocs_Public
Email Number: 4

Mail Envelope Properties (C747B40E-5403-45D3-AAF6-9B9A53CFB75D)

Subject: [External_Sender] Re: CR issue
Sent Date: 11/16/2021 9:41:11 AM
Received Date: 11/16/2021 9:41:20 AM
From: Darrell Gardner

Created By: gardner@kairospower.com

Recipients:
"Peter Hastings" <hastings@kairospower.com>
Tracking Status: None
"Beasley, Benjamin" <Benjamin.Beasley@nrc.gov>
Tracking Status: None

Post Office: kairospower.com

Files	Size	Date & Time
MESSAGE	1951	11/16/2021 9:41:20 AM

Options
Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date: