



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

October 23, 2019

MEMORANDUM TO: Benjamin Beasley, Chief
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Stewart Magruder, Senior Project Manager */RA/*
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF SEPTEMBER 9, 2019, PUBLIC MEETING TO
DISCUSS KAIROS POWER LLC's REGULATORY ANALYSIS
TOPICAL REPORT

On September 9, 2019, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public meeting with Kairos Power LLC (Kairos) to discuss NRC staff comments on the Kairos "Regulatory Analysis for the Kairos Power Fluoride Salt-Cooled, High Temperature Reactor Topical Report" (ADAMS Accession No. ML19024A483). The meeting was held via teleconference and comprised open and closed portions as follows:

- Open portion to review the scope of the report and the schedule for the staff's review reusing slides from a November 7, 2018 meeting (ADAMS Accession No. ML18309A299)
- Closed portion to discuss the proprietary portion of the report

The NRC staff comments were transmitted via email on August 15, 2019 (ADAMS Accession No. ML19228A233) and were meant to serve the following purposes:

- Obtaining clarification regarding material in the topical report
- Promptly identifying areas for additional information
- Facilitating discussions and continuation of effective communication

During the open portion of the meeting, staff from Kairos reviewed the purpose of the topical report and discussed its relation to other reports submitted by Kairos. There was a brief discussion with the NRC staff and no questions or comments from the public.

The closed portion of the meeting consisted of a systematic review of the NRC staff questions. Kairos staff stated their interpretation of each question and this was confirmed or corrected by the cognizant NRC staff. After discussing all the questions, Kairos proposed to update the topical report and submit a revision by October 31, 2019.

After the meeting, the NRC staff sent Kairos a letter dated September 17, 2019 (ADAMS Accession No. ML19255H234) confirming this proposed course of action.

Enclosures:

Agenda

List of attendees

SUBJECT: SUMMARY OF SEPTEMBER 9, 2019, PUBLIC MEETING TO DISCUSS
KAIROS POWER LLC's REGULATORY ANALYSIS TOPICAL REPORT –
DATED- October 23, 2019

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ADAMS Accession No.: ML19294A307**NRR-106**

OFFICE	NRR/DANU	NRR/DANU
NAME	SMagruder	BBeasley
DATE	10/22/2019	10/23/2019

OFFICIAL RECORD COPY

Agenda 9/9/2019 Meeting

Purpose of Meeting: This meeting is to discuss the initial NRC staff comments on the “Regulatory Analysis for the Kairos Power Fluoride Salt-Cooled, High Temperature Reactor Topical Report” (ADAMS Accession No. ML19024A483). The comments were transmitted via email on 8/15/2019 (ML19228A233). The meeting will comprise open and closed portions as follows:

1. Open portion to review the scope of the report and the schedule for the staff’s review (refer to slides for November 2018 meeting (ML18309A299))
2. Closed portion to discuss the proprietary portion of the report

OPEN PORTION		
1:00 – 1:10	Introductions	ALL
1:10 – 1:20	Kairos Power presentation	Darrell Gardner (Kairos Power)
1:20 – 1:30	NRC staff comments and opportunity for public to ask questions of NRC staff	Stewart Magruder (NRC)
CLOSED PORTION		
1:30 – 2:45	Discussion of NRC staff comments on proprietary portions of the report	ALL
2:45 – 3:00	Action items and next steps	Darrell Gardner
3:00	Adjourn	

List of Attendees

NAME	ORGANIZATION
Darrell Gardner	Kairos Power
James Tompkins	Kairos Power
Drew Peebles	Kairos Power
Robert McReynolds	Kairos Power
Vinod Chugh	Kairos Power
John Price	Kairos Power
Nicholas McMurray	USNRC
Jim Hammelman	USNRC
Ian Jung	USNRC
Ata Istar	USNRC
Tim Drzewiecki	USNRC
Boyce Travis	USNRC
Chris Van Wert	USNRC
Michelle Hart	USNRC
Chang-Yang Li	USNRC
Bob Fitzpatrick	USNRC
Alexander Tsirigotis	USNRC
Julie Ezell	USNRC
Andrew Yeshnik	USNRC
Steven Lynch	USNRC
Luisette Candelario	USNRC
Stu Magruder	USNRC
Madeleine Feltus	USDOE