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August 13, 2026

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Subject: Letter of Intent to Commence Pre-application Activities for the OrganiCore OC-80 Advanced Small Modular Reactor

OrganiCore Nuclear, Inc. (OCN) hereby notifies the U.S. Nuclear Regulatory Commission (NRC) of its intent to initiate formal pre-application engagement for licensing activities associated with the OCN OC-80 Advanced Small Modular Reactor (SMR).

OCN is developing the next-generation, low-pressure, passively safe, organically cooled, and light-water moderated SMR optimized for improved economics, modular deployment, and rapid construction. OCN intends to submit its Regulatory Engagement Plan (REP) in Quarter 4 Calendar Year 2026 and describe the licensing strategy, pre-application schedule and interactions, planned white papers and topical reports, and key technical issues for early NRC feedback.

OCN is currently evaluating the preferred licensing pathway between 10 CFR Part 53 "Risk Informed, Technology-Inclusive Regulatory Framework for Commercial Nuclear Plants" and 10 CFR Part 57 "Licensing Requirements for Microreactors and Other Reactors with Comparable Risk Profiles". The final selection will depend on the specific requirements with the Final Rule for 10 CFR Part 57. Once the 10 CFR 57 Final Rule language is available, OCN will determine the most efficient licensing framework but currently plans to move forward under the 10 CFR Part 53 pathway.

OCN requests that the NRC assign a project number to track the REP, white papers, topical reports, pre-application interactions, and future licensing submittals.

OCN looks forward to a constructive regulatory engagement process. We appreciate the NRC's attention and stand ready for early technical discussions and readiness assessments.

Sincerely,

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Enclosures: None

cc:

U.S. NRC

Commission

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