



15-July-2021

Project Number: 99902080

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

**SUBJECT: SUPPLEMENT 1 TO THE SUBMITTAL OF THE STANDARD REVIEW PLAN CONFORMANCE FOR ATOMIC ALCHEMY'S NON-POWER PRODUCTION AND UTILIZATION FACILITY**

REFERENCES: 1) Atomic Alchemy Inc. Letter AAL-2021-003 "Standard Review Plan Conformance for Atomic Alchemy's Non-Power Production and Utilization Facility", June 25, 2021

ENCLOSURES: 1) Affidavit Pursuant to 10 CFR 2.390  
2) AAO-VIPR-21-SRP-00(P), Atomic Alchemy Conformance to the Standard Review Plan, Rev. 1  
3) AAO-VIPR-21-SRP-00(NP), Atomic Alchemy Conformance to the Standard Review Plan, Rev. 1  
4) Basis for the Submittal of the Atomic Alchemy Standard Review Plan Conformance as a Topical Report  
5) Format of the Atomic Alchemy SAR

In reference 1, Atomic Alchemy submitted its standard review plan conformance for its NPUF, dated June 25, 2021. Atomic Alchemy hereby submits Supplement 1 to that original submittal. The purpose of this supplement is to more clearly delineate the information that is being requested to be withheld from public disclosure in both the Proprietary and Non-Proprietary versions of Enclosures 2 and 3. Additionally, minor adjustments/updates have been made and some typographical errors have been fixed.

Atomic Alchemy's SRP Conformance document contains commercially sensitive, proprietary information and, as such, we are requesting that this information be withheld from public disclosure in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Request for Withholding." The proprietary information is appropriately marked and an affidavit documenting the basis for this request is provided in Enclosure 1. Accordingly, Enclosure 2 is the proprietary version of Atomic Alchemy's SRP Conformance which contains the non-redacted sensitive information. Atomic Alchemy provides the public, redacted version in Enclosure 3.

The bases for the exemption of Criterion B in Section 4.2 of LIC-500 can be found in Enclosure 4.

Atomic Alchemy has also provided its preliminary Safety Analysis Report (SAR) formatting as an aid to assist the Staff's reviewers in Enclosure 5.

To help increase the efficiency of the licensing process, Atomic Alchemy discussed this supplement submittal with the NRC staff during conference call on July 14, 2021.

There are no commitments made in this submittal.

If there are any questions or a need for additional information, please contact Mr. Michael Grochowski at [regulatory@atomicalchemy.us](mailto:regulatory@atomicalchemy.us).

Sincerely,

Thomas Eiden  
CEO, Atomic Alchemy Inc.

TE/mjg

CC:

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