

From: [Sean M. McDeavitt](#)
To: [Boyle, Patrick](#)
Cc: [Osborn, Jeremy M](#); [Newhouse, Jerry E](#); [Adams, Alexander](#); [Hardesty, Duane](#)
Subject: [External_Sender] RE: Proposed License Conditions for TAMU-AGN reactor after fuel transfer to NSC
Date: Tuesday, October 11, 2016 5:13:47 PM

Patrick,

Thank you for forwarding the proposed changes to me. I have reviewed this and discussed it with my staff and I agree with, accept, and affirm the text below. Please proceed accordingly to implement the changes.

Best Regards,

Sean M. McDeavitt

Director, Nuclear Science Center
Principal Investigator, Fuel Cycle & Materials Laboratory
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From: Boyle, Patrick [mailto:Patrick.Boyle@nrc.gov]
Sent: Tuesday, October 11, 2016 12:50 PM
To: Sean M. McDeavitt <mcdeavitt@tamu.edu>
Cc: Osborn, Jeremy M <jeremyosborn11@tamu.edu>; Newhouse, Jerry E <newhouse@tamu.edu>; Adams, Alexander <Alexander.Adams@nrc.gov>; Boyle, Patrick <Patrick.Boyle@nrc.gov>; Hardesty, Duane <Duane.Hardesty@nrc.gov>
Subject: Proposed License Conditions for TAMU-AGN reactor after fuel transfer to NSC

Dr. McDeavitt,

In your correspondence dated June 17, 2016 (ML16169A346) you provided proposed license conditions supporting the license amendment request dated November 11, 2016 (ML15315A027) for the Texas A&M University (TAMU) Aerojet General Nucleonics model 201 modified (AGN-201M) reactor, License No. R-23. One of the proposed changes was to delete License Condition 2.B.(2) that allows possession of the special nuclear material (SNM) for the AGN-201M reactor. TAMU had also requested the license amendment to become effective upon transfer of the SNM to the Nuclear Science Center reactor License No. R-83.

Since the special nuclear material in the form of fuel, control rods, and neutron startup source, for the AGN-201M reactor, have already been transferred to License No. R-83, the NRC staff would like to propose the following changes to the license conditions. The NRC staff proposes deletion of any reference to the AGN-201M reactor fuel, control rods, or neutron startup source. The NRC Staff also

proposes to separate the Part 30 “Rules of General Applicability to Domestic Licensing of Byproduct Material,” and Part 70 “Domestic Licensing of Special Nuclear Material,” for the AGN-201M components remaining on License No. R-23.

Additionally, the NRC staff has identified that License Condition 2.D should have been deleted when Amendment No. 13 was issued. Therefore the NRC staff is proposing to delete License Condition 2.D as an administrative change to the facility operating license. The NRC staff is not proposing any changes to License Condition 2.C.(3) “Physical Security Plan”.

Review the proposed license conditions listed below and respond to this email (including an affirmation statement) that you accept the NRC staff proposed license conditions or provide alternative wording for the affected license conditions.

Sincerely,
Patrick G. Boyle
PM for TAMU-AGN reactor
License Number R-23
Docket Number 50-59

Proposed License Conditions

2. Facility License No. R-23 is hereby amended in its entirety to read:
 - A. This license applies to the homogeneous nuclear reactor model AGN-201M, Serial No. 106 (the reactor), owned by the Texas A&M University (the licensee), located on its campus at College Station, Texas and described in the application for license dated June 13, 1957, and subsequent amendments and supplements thereto, including the application for license renewal dated May 31, 1977, and supplements thereto dated September 29, December 11 and December 18, 1978, and March 23, 1979.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses the Texas A&M University:
 - (1) Pursuant to Section 104c of the Act and 10 CFR, Chapter, 1 Part 50, “Licensing of Production and Utilization Facilities” to possess, but not use or operate the reactor as a utilization facility at the designated location in College Station, Texas, in accordance with the procedures and limitations set forth in this license.
 - (2) Pursuant to the Act and 10 CFR Part 30 “Rules of general applicability to domestic licensing of byproduct material” to possess, but not separate, such byproduct material present in the AGN-201M reactor non-fuel components.

- (3) Pursuant to the Act and 10 CFR Part 70 "Domestic licensing of special nuclear material" to possess, but not separate, such special nuclear material in the AGN-201M reactor non-fuel components.

and

- C. This license shall be deemed to contain, and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

...

- (3) Physical Security Plan

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The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security plan, including all amendments and revisions made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p), which are part of the license. This plan, which contains information withheld from public disclosure under 10 CFR 2.790, is entitled "Texas A&M University AGN-201M Reactor Facility Security Plan," with revisions through September 24, 1984.

- D. [DELETED]

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