



NUCLEAR AND THERMAL ENERGY COUNCIL

4263 COMMERCIAL S.E. • SALEM, OREGON • 97310 • Phone 378-6968

TOM McCALL
GOVERNOR

March 31, 1972

W. KELLY WOODS
Coordinator

Mr. Paul E. Bragdon, President
Reed College
3202 S. E. Woodstock Boulevard
Portland, Oregon 97202

Dear President Bragdon:

In compliance with ORS 453.305 to 453.575, and 453.994, this document, when executed, shall constitute a site certificate for a nuclear installation as defined in ORS 453.305(7). The certificate must be executed by you and by the corporate secretary pursuant to resolution of your Board of Directors.

The nuclear installation covered by this site certificate is the TRIGA Mark I research reactor adjacent to the Radiochemistry Laboratory in the basement of the Chemistry Building on the campus of Reed College, Portland, Oregon. We are advised that this research reactor has been in operation since July, 1968. The reactor is further described as follows:

Rated operating level: 250 Kw

Type of fuel: Alloy of U and ZrH 8.5% U (20% U-235)
Aluminum cladding

Moderator: Water, ZrH, graphite reflector

Method of control: Three B₄C control rods

Experimental facilities that penetrate reactor shielding:

1. A vertical beam tube which can be moved into position over the core.

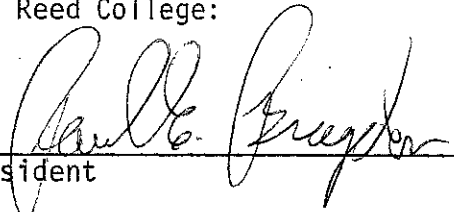
Reed College is exempt from payment of any fees to the State of Oregon in connection with this site certificate. However, in executing this site certificate Reed College agrees to abide by the conditions of all licenses, permits and certificates required by the State of Oregon or any subdivision of the State to operate the plant or

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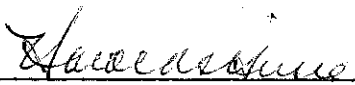
installation and issued prior to June 30, 1971 and to comply with all applicable provisions of ORS 453.305 to 453.575, and 453.994, and all rules adopted by the Nuclear and Thermal Energy Council. Reed College further agrees to advise the Council of any proposed change in the above-described installation. Such proposed changes may be considered an expansion of a nuclear installation for which a new site certificate would be required under the terms of ORS 453.325.

Duplicate originals of this document will be provided to Reed College, the Nuclear and Thermal Energy Council at its offices in Salem, Oregon, the Oregon Secretary of State in the Capitol Building, and the office of the County Clerk of Multnomah County, Portland, Oregon.

For Reed College:



President

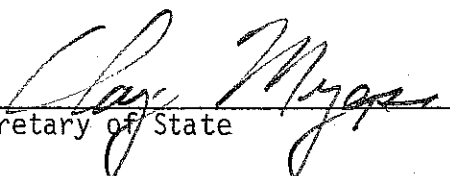


Secretary

For the State of Oregon:



Governor



Secretary of State