

**STANDBY TRUST AGREEMENT**

**TRUST AGREEMENT**, the Agreement entered into as of July 26, 1990 by and between The Trustees of the University of Pennsylvania, an NRC licensee, a Pennsylvania not-for-profit corporation, herein referred to as "the Grantor," and The Philadelphia National Bank ("the Trustee").

**WHEREAS**, the U.S. Nuclear Regulatory Commission ("NRC"), as agency of the U.S. Government, pursuant to the Atomic Energy Act of 1954, has promulgated regulations in Title 10, Chapter I of the Code of Federal Regulations, Part 30, 40, 70, or 72. These regulations, applicable to the Grantor, require that a holder of, or an applicant for, a Part 30, 40, 70, or 72 license provide assurance that funds will be available when needed for required decommissioning activities.

**WHEREAS**, the Grantor has elected to use a letter of credit, to provide all of such financial assurance for the facilities identified herein; and

**WHEREAS**, when payment is made under a letter of credit, this standby trust shall be used for the receipt of such payment; and

**NONNEGOTIABLE**

WHEREAS, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this Agreement, and the Trustee is willing to act as trustee,

NOW, THEREFORE, THE Grantor and the Trustee agree as follows:

**Section 1. Definitions.** As used in this Agreement:

- (a) The Term "Grantor" means the NRC licensee who enters into this Agreement and any successors or assigns of the Grantor.
- (b) The term "Trustee" means the trustee who enters into this Agreement and any successor Trustee.

**Section 2. Costs of Decommissioning.**

This Agreement pertains to the costs of decommissioning the materials and activities identified in License Number 37-00118-07 issued pursuant to 10 CFR Part 30, 40, 70, or 72 as shown in Schedule A.

**Section 3. Establishment of Fund.**

The Grantor and the Trustee hereby establish a standby trust

fund ("the Fund") for the benefit of the NRC. The Grantor and the Trustee intend that no third party have access to the Fund except as provided herein.

**Section 4. Payments Constituting the Fund.**

Payments made to the Trustee for the Fund shall consist of cash. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in Schedule B attached hereto. Such property and any other property subsequently transferred to the Trustee are referred to as the "Fund," together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, **IN TRUST**, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount of, or adequacy of, the Fund nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the NCR.

**Section 5. Payment for Required Activities Specified in the Plan.**

The Trustee shall make payments from the Fund to the Grantor upon presentation to the Trustee of the following:

- (a) A certificate duly executed by an authorized officer of Grantor attesting to the occurrence of the events, and in the form set forth in the attached Specimen Certificate, and
  
- (b) A certificate attesting to the following conditions:
  - (1) that decommissioning is proceeding pursuant to an NRC-approved plan;
  
  - (2) that the funds withdrawn will be expended for activities undertaken pursuant to that Plan; and
  
  - (3) that the NRC has been given 30 days' prior notice of grantor's intent to withdraw funds from the escrow fund.

No withdrawal from the fund can exceed ten percent (10%) of the outstanding balance of the Fund or seventy five thousand dollars (\$75,000), whichever is greater, unless NRC approval is attached.

In the event of the Grantor's default or inability to direct decommissioning activities, the Trustee shall make payments from the Fund as the NRC shall direct, in writing, to provide for the payment of the costs of required activities covered by this Agreement. The Trustee shall reimburse the Grantor or other

persons as specified by the NRC from the Fund for expenditures for required activities in such amounts as the NRC shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as the NRC specifies in writing. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

**Section 6. Trust Management.**

The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject, however, to the provisions of this section. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge its duties with respect to the Fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; except that:

- (a) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the Investment Company Act of

1940, as amended (15 U.S.C.80a-2(a)), shall not be acquired or held, unless they are securities or other obligations of the Federal or a State government;

(b) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the Federal government; and

(c) For a reasonable time, not to exceed 60 days, the Trustee is authorized to hold uninvested cash, awaiting investment or distribution, without liability for the payment of interest thereon.

**Section 7. Commingling and Investment.**

The Trustee is expressly authorized in its discretion:

(a) To transfer from time to time any or all of the assets of the fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

- (b) To purchase shares in any investment company registered under the Investment Company Act of 1940 (15 U.S.C. 80a-1 et seq.), including one that may be created, managed, underwritten, or to which investment advice is rendered, or the shares of which are sold by the Trustee or an affiliate thereof. The Trustee may vote such shares in its discretion.

**Section 8. Express Powers of Trustee.**

Without in any way limiting the powers and discretion conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

- (a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale, as necessary for prudent management of the Fund;
- (b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name, or in the name of a nominee, and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, to reinvest interest payments and funds from matured and redeemed instruments, to file proper forms concerning securities held in the Fund in a timely fashion with appropriate government agencies, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee or such depository with other securities deposited of any securities issued by the U.S. Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal government; and

- (e) To compromise or otherwise adjust all claims in favor of or against the Fund.

**Section 9. Taxes and Expenses;**

All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and all other proper charges and disbursements of the Trustee shall be paid from the Fund.

**Section 10. Annual Valuation.**

After payment has been made into this standby trust fund, the Trustee shall annually, at least 30 days before the anniversary date of receipt of payment into the standby trust fund, furnish to the Grantor and to the NRC a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days before the anniversary date of the establishment of the Fund. The failure of the Grantor to object in writing to the Trustee within 90 days after the statement has been furnished to the Grantor and

the NRC shall constitute a conclusively binding assent by the Grantor, barring the grantor from asserting any claim or liability against the Trustee with respect to the matters disclosed in the statement.

**Section 11. Advice of Counsel.**

The Trustee may from time to time consult with counsel with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting on the advice of counsel.

**Section 12. Trustee Compensation.**

The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing with the Grantor. (See Schedule C.)

**Section 13. Successor Trustee.**

Upon 90 days notice to the NRC, the Trustee may resign; upon 90 days notice to NRC and The Trustee, the Grantor may replace the Trustee; but such resignation or replacement shall not be effective until the Grantor has appointed a successor Trustee and this successor accepts the appointment. The successor Trustee

shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor Trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor Trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor Trustee or for instructions. The successor Trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, the NRC and the present Trustee by certified mail 10 days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the act contemplated by this section shall be paid as provided in Section 9.

**Section 14. Instructions to the Trustee.**

All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are signatories to this agreement or such other designees as the Grantor may designate in writing. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions to the Trustee. If the NRC issues orders, requests or instructions to the Trustee, these shall be in writing, signed by the NRC, or its designees, and the Trustee shall act and shall be fully protected in acting

in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act on behalf of the Grantor, or the NRC, hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instruction from the Grantor and/or the NRC, except as provided for herein.

**Section 15. Amendment of Agreement.**

This agreement may be amended by an instrument in writing executed by the Grantor, the Trustee and the NRC or by the Trustee and the NRC if the Grantor ceases to exist.

**Section 16. Irrevocability and Termination.**

Subject to the right of the parties to amend this Agreement as provided in Section 15, this trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, and the NRC or by the Trustee and the trust if the Grantor ceases to exist. Upon termination of the trust, all remaining trust property, less final trust administration expenses, shall be delivered to the Grantor or its successor.

**Section 17. Immunity and Indemnification.**

The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this trust, or in carrying out any directions by the Grantor, the NRC issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or from the trust fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

**Section 18.**

This Agreement shall be administered, construed, and enforced according to the laws of the Commonwealth of Pennsylvania.

**Section 19. Interpretation and Severability.**

As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement. If any part of this agreement is invalid, it shall

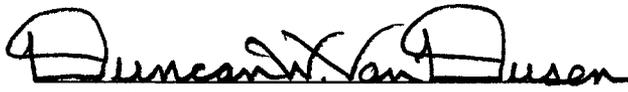
not affect the remaining provisions which will remain valid and enforceable.

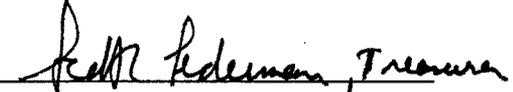
IN WITNESS WHEREOF the parties have cause this Agreement to be executed by the respective officers duly authorized and the corporate seals to be hereunto affixed and attested as of the date first written above.

ATTEST: 



FOR: The Philadelphia National Bank

ATTEST:   
Associate Secretary

, Treasurer

FOR: Trustees of the University of Pennsylvania

STANDBY TRUST AGREEMENT  
Schedule A

This Agreement demonstrates financial assurance for the following cost estimates for the following licensed activities:

United States Nuclear Regulatory Commission (NRC) License Number  
37-00118-07

Name and address of licensee:

University of Pennsylvania  
Radiation Safety Office  
14th Floor, Blockley Hall  
418 Service Drive  
Philadelphia, Pennsylvania 19104-6021

Mailing Address for NRC Communication to Licensee:

Mark S. Selikson, Ph.D, Director  
Radiation Safety Office  
14th Floor, Blockley Hall  
418 Service Drive  
Philadelphia, Pennsylvania 19104-6021

Address Where Licensed Material Will Be Used or Possessed:

as described in Nuclear Regulatory Commission License 37-00118-07

Amount of Financial Assurance Demonstrated by This Agreement:

\$750,000.

This figure is based on NRC regulations contained in Paragraph 30.35c.(2) of Title 10 Code of Federal Regulations. This figure was last adjusted and approved by the NRC on 27 June 1988 (reference 53 FR 24018).

4.3.2.1 Specimen Certificate of Events

[Insert name and address of trustee]

Attention: Trust Division

Gentlemen:

In accordance with the terms of the Agreement with you dated \_\_\_\_\_, I, \_\_\_\_\_, Secretary of [insert name of licensee], hereby certify that the following events have occurred:

1. [Insert name of licensee] is required to commence the decommissioning of its facility located at [insert location of facility] (hereinafter called the decommissioning).
2. The plans and procedures for the commencement and conduct of the decommissioning have been approved by the United States Nuclear Regulatory Commission, or its successor, on \_\_\_\_\_ (copy of approval attached).
3. The Board of Directors of [insert name of licensee] has adopted the attached resolution authorizing the commencement of the decommissioning.

\_\_\_\_\_  
Secretary of [insert name of licensee]

\_\_\_\_\_  
Date

CERTIFICATE OF RESOLUTION

I, \_\_\_\_\_, do hereby certify that I am Secretary of The University of Pennsylvania, a Pennsylvania corporation, and that the resolution listed below was duly adopted at a meeting of this Corporation's Board of Directors on \_\_\_\_\_, 20\_\_.

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the seal of this Corporation this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Secretary

RESOLVED, that this Board of Directors hereby authorizes the President, or such other employee of the Company as he may designate, to commence decommissioning activities at The University of Pennsylvania in accordance with the terms and conditions described to this Board of Directors at this meeting and with such other terms and conditions as the President shall approve with and upon the advice of Counsel.

**LETTER OF ACKNOWLEDGEMENT**

State of *Pennsylvania*

To Witness: Alice M. Amoro, Vice President

City of Philadelphia

On this 28<sup>th</sup> day of October, before me, a notary public in and for the City and State aforesaid, personally appeared Alice M. Amoro, and she did depose and say that she is the Vice President of Wachovia Bank, National Association, formerly known as First Union National Bank, successor through several mergers to Philadelphia National Bank, Trustee, which executed the Ratification of that certain Agreement dated July 26, 1990 between Philadelphia National Bank and The Trustees of the University of Pennsylvania, an NRC licensee, as Grantor under said Standby Trust Agreement.

*Julia A. Fabregas*  
\_\_\_\_\_  
Signature of Notary Public

Notarial Seal  
Julia A. Fabregas, Notary Public  
Philadelphia, Philadelphia County  
My Commission Expires Feb. 28, 2005  
Member, Pennsylvania Association of Notaries

My Commission Expires: