

VOID SHEET

03020934

TO: License Fee Management Branch
RI
FROM: _____
SUBJECT: VOIDED APPLICATION

Control Number: 113003
Applicant: Interstate Nuclear Services Corporation
Date Voided: 7/17/95
Reason for Void: The Financial Assurance requirements were fulfilled
in their RV submittal (See NRC Letter dated 6/28/94).
After review. License No. 37-23341-01 (030-20934).

Note: Delay in submittal to NUDOCS.

M.A. Perkins 10/4/96
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

Refund Authorized and processed

No Refund Due

Fee Exempt or Fee Not Required

Comments: See letter to
licensee dated
12/19/90

Log completed

Processed by: SB

150026

OFFICIAL RECORD COPY

ML 10



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

JUN 28 1994

Docket: 030-06869
License: 53-13668-01
Control: 571257

Interstate Nuclear Services Corporation
811 South Edisto Avenue
Columbia, South Carolina 29205

ATTENTION: Les Case
Engineer

We have reviewed your decommissioning financial assurance submittal enclosed with letter dated March 23, 1994 and amended by enclosures to letter dated May 10, 1994. Our review has included your NRC licensed facilities located at Springfield, Massachusetts, Royersford, Pennsylvania and Portsmouth, Virginia in addition to your Honolulu, Hawaii facility included under the NRC license number listed above.

Our review included an analysis of your cost estimates for personnel, equipment and services needed to complete decommissioning operations at each INS facility. When decommissioning is actually contemplated at one or more of these facilities, you will need to submit a detailed decommissioning site specific plan to the appropriate NRC region as required by 10 CFR 30.36 or subsequent applicable requirements.

Within the scope of our review, no further deficiencies were identified. If any additional information is required, we will contact you.

Sincerely,

James L. Montgomery
Senior Materials Specialist
Materials Branch, WCFO
Walnut Creek, California 94596

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113003

David Everhart
Region I

10/14/92

I agreed with E. Wright of RIT and

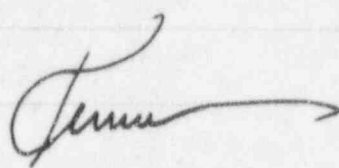
Both Prange RV that RV would

handle Financial Assurance for all INS Financial Assurance

actions and provide copy of final action

when done. They will request help if

they need it



8/5/93 - Jim Montgomery is renewing the action

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113003



INTERSTATE NUCLEAR SERVICES
A DIVISION OF UNIFIRST CORPORATION

030-20934

April 9, 1991

Mr. Tom Thompson
USNRC
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: Lic. # 20-03529-01
Lic. # 37-23341-01

Dear Mr. Thompson:

In response to the financial assurance requirements for decommissioning of our four NRC licensed facilities, we have provided a "Decommissioning Funding Plan". This plan contains estimates of the costs of decommissioning the four plants. We have selected the irrevocable standby letter of credit as the financial mechanism for assuring that adequate funds are available for decommissioning, based on the estimates of the plan. Finally, we have taken steps to establish a standby trust to receive the proceeds of the letter of credit.

Enclosed is a draft Letter of Credit from the Bank of Boston and a draft Standby Trust Agreement. Please review these documents for acceptability. After we get your approval on these documents, or make any required changes, we will submit an executed version. Please contact me if there are any questions.

Sincerely,

Les Case
Engineer

Enclosures

cc: H. Murphy
M. Bovino

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113003
APR 15 1991

BANK OF BOSTON
THE FIRST NATIONAL BANK OF BOSTON
POST OFFICE BOX 1763
BOSTON, MASSACHUSETTS 02105 U.S.A.

DRAFT
FOR REVIEW ONLY

Clean Standby Undertaking - Irrevocable

DATE: March 26, 1991

BENEFICIARY

MAIL

U.S. NUCLEAR REGULATORY
COMMISSION
WASHINGTON, DC 20555

Credit Number:
1-024-NEHM-50015131
Opener's Reference No:
50015131

Gentlemen:

BY ORDER OF:

INTERSTATE NUCLEAR SERVICES
CORPORATION
68 JONSPIN ROAD
WILMINGTON, MA 01887

We hereby establish our Irrevocable Standby Letter of Credit Number I-024-NEHM-50015131 in your favor for the account of Interstate Nuclear Services Corporation, 68 Jonspin Road, Wilmington, MA 01887, up to the aggregate amount of USD 1,944,653.00 (One Million Nine Hundred Forty-four Thousand Six Hundred Fifty-three and 00/100 US Dollars), available upon your presentation of:

1. Your sight draft drawn on The First National Bank of Boston, Boston, Massachusetts, bearing reference to this Letter Of Credit Number I-024-NEHM-50015131, and
2. A statement purportedly signed by your authorized officer or representative reading as follows: "I certify that the amount of the draft is payable pursuant to regulations issued under authority of the U.S. Nuclear Regulatory Commission and the non-compliance of Interstate Nuclear Services Corporation in carrying out the agreed upon activities of Section 5 of the accompanying related 'Standby Trust Agreement' dated ----- (specify date)".

For informational purposes only, our customer notifies us that this letter of credit is issued in accordance with the regulations issued under the U.S. Nuclear Regulatory Commission (NRC), an agency of the U.S. Government, pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974. The NRC has promulgated regulations in Title 10, Chapter 1 of the Code of Federal Regulations, Part 30, which requires that the holder of, or an applicant for, a license issued under 10 CFR Parts 30, provide assurance that funds will be available for recommissioning.

This letter of credit is effective as of March 26, 1991 and shall expire

(continued)

Page 1

BANK OF BOSTON
THE FIRST NATIONAL BANK OF BOSTON
POST OFFICE BOX 1763
BOSTON, MASSACHUSETTS 02105 U.S.A.

DRAFT
FOR REVIEW ONLY

Clean Standby Undertaking - Irrevocable

DATE: March 26, 1991

on March 26, 1992, but such expiration date shall be automatically extended for a period of one year on March 26, 1992 and on each successive expiration date; unless, at least 90 days before the current expiration date, we notify both you and Interstate Nuclear Services Corp., by registered mail or courier that we elect not to so renew this letter of credit, such notice to be effective upon dispatch. In the event that The First National Bank of Boston notifies you that we elect not to renew this letter of credit, you may draw by means of your sight draft and a statement purportedly signed by an authorized officer or representative of the NRC reading as follows: "Interstate Nuclear Services Corporation was unable to secure alternative financial assurance to replace this letter of credit number I-024-NEMM-50015131 within 30 days of our receipt of notification from The First National Bank of Boston that they elected not to renew said letter of credit".

The First National Bank of Boston shall give immediate notice to the applicant and the NRC of any notice received or action filed alleging (1) the insolvency or bankruptcy of the financial institution or (2) any violations of regulatory requirements that could result in suspension or revocation of the bank's charter or license to do business. We shall also give immediate notice if the bank, for any reason, becomes unable to fulfill its obligations under this letter of credit.

Each draft must bear upon its face the clause "Drawn under Letter of Credit No. I-024-NEMM-50015131 dated March 26, 1991 of The First National Bank of Boston, Boston, MA".

Except so far as otherwise expressly stated herein, this letter of credit is subject to the "Uniform Customs and Practices for Documentary Credits (1983 Revision), International Chamber of Commerce Publication No. 400".

We hereby agree that drafts drawn under and in compliance with the terms of this letter of credit will be duly honored if presented to the above-mentioned drawee bank on or before March 26, 1992 (or any automatically extended date as specified herein), and we shall deposit the amount of the draft directly into the standby trust fund of Interstate Nuclear Services Corporation in accordance with your instructions.

Kindly address all correspondence regarding this letter of credit to the attention of our Letter of Credit Operations, P.O. BOX 1763, BOSTON, MA 02105, attention JANE KENT, mentioning our reference number as it appears above. Telephone inquiries can be made to JANE KENT at (617)434-3115.

Very truly yours,

DRAFT
FOR REVIEW ONLY

STANDBY TRUST AGREEMENT

TRUST AGREEMENT, (The "Agreement") entered into as of March 1, 1991 by and between INTERSTATE NUCLEAR SERVICES CORP., a California corporation, herein referred to as the "Grantor" and First National Bank of Boston, Boston, Massachusetts, 02105, herein referred to as the "Trustee".

WHEREAS, the U.S. Nuclear Regulatory Commission (NRC), an agency of the U.S. Government, pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, has promulgated regulations in Title 10, Chapter I of the Code of Federal Regulations, Part 30. These regulations, applicable to the Grantor, require that the holder of, or an applicant for, a Part 30 license provide assurance that funds will be available when needed for required decommissioning activities; and

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, 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 Interstate Nuclear Services Corp. and any successors or assigns of the Grantor.
- b. The term "Trustee" means First National Bank of Boston and any successor Trustee.

Section 2. Costs of Decommissioning. This Agreement pertains to the costs of decommissioning the materials and activities identified in License Numbers 20-03529-01, 37-23341-01, 39-19727-01 and 53-13668-01 issued pursuant to 10 CFR Part 30.

Section 3. Establishment of Fund. The Grantor and the Trustee hereby establish a standby trust 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, securities, or other liquid assets acceptable to the Trustee. The Fund is established initially as Irrevocable Standby Letter of Credit Number I-024-NEMM-50015131, which is acceptable to the Trustee. 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

duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the NRC.

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 the Secretary of the Grantor attesting to the decommissioning of a facility named in a license identified in Section 2; 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 thirty (30) days prior notice of Interstate Nuclear Services Corporation's intent to withdraw funds from the escrow fund.

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 the distinction between principal and income, in accordance with the 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, (15 U.S.C. 80a-2(a)), as amended, 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.

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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 Act of 1940, (15 U.S.C. 80a - 1 et seq.), as amended, 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. 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 through, 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 therein by another person, or to deposit or arrange for the deposit 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.

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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 the Fund, the Trustee shall annually, at least thirty (30) days before the anniversary date of receipt of payment into the Fund, furnish to the Grantor and to the NRC a statement confirming the value of the Fund. Any securities in the Fund shall be valued at market value as of no more than sixty (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 ninety (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 Exhibit 1 attached hereto.)

Section 13. Successor Trustee. Upon ninety (90) days notice to the NRC and the Grantor, the Trustee may resign; upon ninety (90) days notice to the 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 the 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 Fund 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 ten (10) days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the acts 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. If the NRC issues orders, requests or instructions to the Trustee, these shall be in writing, signed by the NRC or their designees and the Trustee shall act and shall be fully protected in acting in accordance with such orders, request 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 if the Grantor ceases to exist, by the Trustee and the NRC.

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 if the Grantor ceases to exist, by the Trustee and the NRC. Upon termination of the trust, all remaining trust property, less 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 and in the exercise of due diligence, in the administration of this trust, or in carrying out any directions by the Grantor, or the NRC, issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or from the 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 and in the exercise of due diligence and prudent care, including all expenses reasonably incurred in its defence 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 Massachusetts.

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 invalid and enforceable.

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

ATTEST:

INTERSTATE NUCLEAR SERVICES CORP.

By: _____
Its

ATTEST:

FIRST NATIONAL BANK OF BOSTON

By: _____
Its

NUCLEAR REGULATORY COMMISSION

By: _____
Its

DRAFT
FOR REVIEW ONLY



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406

JAN 09 1991

MEMORANDUM FOR: Louis M. Bykoski, NRC Project Officer
Low Level Waste Management, Low Level Regulatory Branch

FROM: John D. Kinneman, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

SUBJECT: NONSTANDARD FINANCIAL ASSURANCE SUBMITTALS RELATED TO THE
DECOMMISSIONING RULE

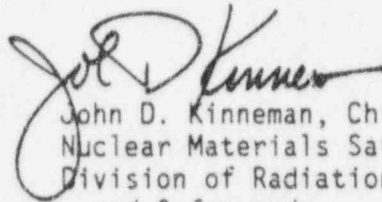
John Austin's August 6, 1990 memorandum set forth a procedure for submitting nonstandard financial assurance submittals to you for review by the NRC contractor. We have also included parent company guarantee's and decommissioning funding plans.

Licensee	License No.	Control No.
Worcester Foundation for Experiment	20-01225-01	112990
Boehringer Ingelheim Pharmaceuticals, Inc.	06-19183-01	112947
Digital Equipment Corp.	20-20815-01	112929
GTE Products Corporation	STB-281	112851
Marine Biological Lab	20-00595-02	113185
Platina Refining Laboratories	29-18345-01	113583
EG&G, Incorporated	20-02804-01	113006
Merck and Company, Inc.	29-00117-06	113032
Interstate Nuclear Services Corporation	20-03529-01	113002
Merck, Sharp & Dohme Research Labs	37-01531-08	113033
General Electric Company	37-02006-09	113257
INS Corporation	37-23341-01	113003
Isomedix, Incorporated	29-19769-02	113157
Isomedix, Incorporated	29-19769-03	113158

Louis M. Bykoski

2

If any of you or the contractors believe any of these cases should more properly be reviewed by the Region, please return them. Some of these cases have obvious, minor deficiencies which we have not attempted to resolve so that we could provide the cases to you promptly.



John D. Kinneman, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

cc:

J. Glenn, NMSS
R. Bellamy, RI
S. Villar, RI



INTERSTATE NUCLEAR SERVICES
A DIVISION OF UNITEST CORPORATION

030-20934

July 24, 1990

Mr. Tom Thompson
USNRC
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: Lic. # 20-03529-01
Lic. # 37-23341-01

Dear Mr. Thompson:

In response to the financial assurance requirements for decommissioning of our four NRC licensed facilities, we have elected to provide a "Decommissioning Funding Plan". This plan contains estimates of the costs of decommissioning the four plants. We have selected the irrevocable standby letter of credit as the financial mechanism for assuring that adequate funds are available for decommissioning, based on the estimates of the plan. Finally, we have taken steps to establish a standby trust to receive the proceeds of the letter of credit.

Due to the sudden, unanticipated termination of our Corporate Health Physicist and his assistant in charge of licensing, we were delayed in providing the necessary information to our bank and attorney. They have now been given the necessary information and are currently drawing up the actual letter of credit and trust agreement. We will forward these documents to your office as soon as they are finalized. You will have the letter of credit and trust agreement before August 10.

Attached is the license amendment fee of \$170.00 required by 10CFR170.31. Please contact me if there are any questions.

Sincerely,

Les Case
Engineer

LZ 7/27 06.

113003

JUL 27 1990

DECOMMISSIONING FUNDING PLAN

FOR

INTERSTATE NUCLEAR SERVICES CORPORATION
295 PARKER STREET
SPRINGFIELD, MA 01151

LICENSE NUMBER 20-03529-01

AND

INTERSTATE NUCLEAR SERVICES CORPORATION
401 N. THIRD AVENUE
ROYERSFORD, PA 19468

LICENSE NUMBER 37-23341-01

JULY 26, 1990

Introduction

This Decommissioning Funding Plan (DFP) is submitted to comply with the financial assurance requirements of 10CFR30. The purpose of this plan is to assure that adequate funds are available to cover the costs associated with the decommissioning of our licensed facilities.

The first part of this plan sets forth the estimated costs of decommissioning, including the computations used to derive these estimates. The second part of this plan contains the financial assurance mechanism adequate to cover the estimated costs.

Estimate of Decommissioning Cost

The costs associated with decommissioning our nuclear laundries are best estimated by using data gathered during actual decommissioning of other nuclear laundries operated by the company. Precise financial records were kept during the decommissioning of our Portsmouth, Virginia facility in 1981 and our New Kensington, Pennsylvania facility in 1984. Furthermore, the costs were tabulated by category (radwaste, labor, travel, etc).

A model was developed which related these costs to the plant variables (square footage of plant, number of Curies processed during plant's lifetime, etc.). These elements were combined into a formula which can be used to predict decommissioning costs at any similar nuclear laundry facility.

All INS nuclear laundry facilities share a common general design, but may vary significantly in size, distance from a radwaste burial site, and contamination level. By inserting the site-specific values into the decommissioning cost formula, a reasonable estimate can be calculated for any INS nuclear laundry facility.

The effects of inflation are accounted for by the formula. Inflation is broken into two components, general inflation (as measured by the CPI) and radwaste burial cost inflation, which has risen much faster than the CPI.

Derivation of the Decommissioning Cost Formula

In 1981 and 1984, two of our nuclear laundries were decommissioned. We are basing our decommissioning cost estimates on the financial data collected and analyzed during these two decommissioning experiences.

Our Portsmouth, VA facility on Seventh Street required a significant amount of soil excavation due to a damaged sewer line, and a significant amount of administrative overhead due to threatened legal action by the owner of the building. As a result, the Portsmouth facility decommissioning took longer and was more expensive than would have normally been the case.

Our New Kensington, PA facility was decommissioned in 1984, in a much more straightforward fashion. There were no significant surprises along the way. As a result, the total cost was significantly lower.

The formula averages the cost projections using a Portsmouth Model and a New Kensington Model. The resulting estimate is expected to be a reasonable estimate of future facility decommissionings.

The following pages are taken from a spreadsheet, filename DECOMMIS.WQ1. They show the site-specific variables, the coefficients derived from the 1981-82 Portsmouth decommissioning, and the results of the formula applied to our four current NRC-licensed facilities. The final two pages are a record of the formula itself (in spreadsheet form) and the factors required by the formula.

This spreadsheet estimates decommissioning costs for laundries based on the formula derived during the decommissioning of the Portsmouth, VA facility in 1981-82, and based on the total costs of decommissioning the Portsmouth, VA facility and, in 1984, the New Kensington, PA facility.

DC=Decommissioning cost estimate today
 CPR=ratio of (CPI-now/CPI-then)
 CPI-then = Consumer Price Index at time of decommissioning (1967 Base)
 M1=Round trip distance to nearest corporate office (miles)
 M2=Round-trip distance to waste disposal site (miles)
 A1=Area of total plant, square feet
 A2=Area of washroom and wasteroom, square feet
 Q=Number of curies received over the life of the facility
 W=Ratio of waste cost now/waste cost then
 Waste cost = total cost of disposal excluding transportation, \$/CF

	COST	CPR	W	M1	M2	A1	A2	Q
Portsmouth '82	\$84,330	1.34	4.21	734	854	1500	800	3.00
New Kenstn '84	\$39,000	1.24	1.70	970	1246	3000	1000	1.25
Coefficients subj to general CPI----				0.27	0.05	0.24	0.23	0.04
Coefficients subj to waste CPI-----				0.01	0.00	0.05	0.10	0.03

Date	07/26/90	
CPI-now	389.1	Base=1967
CPI-6/82	290.6	Base=1967
CPI-8/84	313.0	Base=1967
Waste-90	\$56.00	per cuft, excl transportation
Waste-82	\$13.30	per cuft, excl transportation
Waste-84	\$33.00	per cuft, excl transportation

Facility	M1	M2	A1	A2	Q	Estimate
Springfield, MA	0	1678	8872	2712	116.8	\$409,865
Royersford, PA	448	1230	39900	3880	136.5	\$1,106,628
Honolulu, HI	12000	5	3300	1232	0.1	\$231,506
Portsmouth, VA	734	854	4000	1200	10.6	\$196,654

					Total	\$1,944,653

Derivation of the DC formula based on data collected during the actual decommissioning of the Portsmouth, VA facility in 1981

	Cost	%	M1%	M2%	A1%	A2%	Q%
Exec and Prof Compensation	\$27,789	33	7	0	8	15	3
Waste Disposal, excl Transp	\$14,364	17	1	0	5	10	3
Rent and Utilities	\$6,005	7	0	0	7	0	0
Travel and Corp Aircraft	\$13,049	15	15	0	0	0	0
Repairs to Building	\$5,549	7	0	0	4	3	0
Hourly Labor	\$5,718	7	2	0	3	2	0
Trucking: Waste, Eqpt Xfer	\$5,830	7	2	5	0	0	0
Admin Supplies, O'head	\$6,026	7	1	0	2	3	1
	-----	---	---	---	---	---	---
Total Decommissioning Cost	\$84,330	100	28	5	29	33	7
Portion Subject to General CPI ----->			27	5	24	23	4
Portion Subject to Waste CPI ----->			1	0	5	10	3

Portsmouth Plant Vital Statistics:

Round-trip Distance to Corporate Office:	780 Miles to Columbia
Round-trip Distance to Waste Site:	900 Miles to Barnwell
Size of Entire Facility:	1500 Square Feet
Size of Washroom and Wet Processing Area:	800 Square Feet
Curies Received by Facility, Lifetime:	3 Curies

New Kensington Plant Vital Statistics:

Round-trip Distance to Corporate Office:	970 Miles to Springfield
Round-trip Distance to Waste Site:	1246 Miles to Barnwell
Size of Entire Facility:	3000 Square Feet
Size of Washroom and Wet Processing Area:	1000 Square Feet
Curies Received by Facility, Lifetime:	1.25 Curies

AG3: (C0) [W11] +AH3/2+AI3/2
 AH3: (C0) [W11] +\$CPNK*\$B\$21*(@SUM(B51..F51))
 AI3: (C0) [W11] +\$CP*\$B\$20*(@SUM(B67..F67))
 B20: (C0) [W9] 84330
 C20: (F2) [W7] +B27/B28
 D20: (F2) [W7] +\$B\$30/B31
 E20: [W6] 734
 F20: [W6] 854
 G20: [W7] 1500
 H20: [W7] 800
 I20: (F2) [W7] 3
 B21: (C0) [W9] 39000
 C21: (F2) [W7] +B27/B29
 D21: (F2) [W7] +\$B\$30/B32
 E21: [W6] 970
 F21: [W6] 1246
 G21: [W7] 3000
 H21: [W7] 1000
 I21: [W7] 1.25
 E22: (F2) [W6] +R18/100
 F22: (F2) [W6] +S18/100
 G22: (F2) [W7] +T18/100
 H22: (F2) [W7] +U18/100
 I22: (F2) [W7] +V18/100
 E23: (F2) [W6] +R19/100
 F23: (F2) [W6] +S19/100
 G23: (F2) [W7] +T19/100
 H23: (F2) [W7] +U19/100
 I23: (F2) [W7] +V19/100
 B27: (F1) [W9] 389.1
 B28: (F1) [W9] 290.6
 B29: (F1) [W9] 313
 B30: (C2) [W9] 56
 B31: (C2) [W9] 13.3
 B32: (C2) [W9] 33
 B51: (F3) [W9] @SQRT(AB3/\$E\$21)*(\$E\$22+\$E\$23*\$WNK)
 C51: (F3) [W7] @SQRT(AC3/\$F\$21)*(\$F\$22+\$F\$23*\$WNK)
 D51: (F3) [W7] (AD3/\$G\$21)*(\$G\$22+\$G\$23*\$WNK)
 E51: (F3) [W6] (AE3/\$H\$21)*(\$H\$22+\$H\$23*\$WNK)
 F51: (F3) [W6] @SQRT(AF3/\$I\$21)*(\$I\$22+\$I\$23*\$WNK)
 B67: (F3) [W9] @SQRT(AB3/\$E\$20)*(\$E\$22+\$E\$23*\$W)
 C67: (F3) [W7] @SQRT(AC3/\$F\$20)*(\$F\$22+\$F\$23*\$W)
 D67: (F3) [W7] (AD3/\$G\$20)*(\$G\$22+\$G\$23*\$W)
 E67: (F3) [W6] (AE3/\$H\$20)*(\$H\$22+\$H\$23*\$W)
 F67: (F3) [W6] @SQRT(AF3/\$I\$20)*(\$I\$22+\$I\$23*\$W)

R18: [W5] +R16-R8
S18: [W5] +S16-S8
T18: [W5] +T16-T8
U18: [W5] +U16-U8
V18: [W5] +V16-V8
R19: [W5] +R16-R18
S19: [W5] +S16-S18
T19: [W5] +T16-T18
U19: [W5] +U16-U18
V19: [W5] +V16-V18
F85: [W6] 'CP
G85: [W7] 'C21
F86: [W6] 'CPNK
G86: [W7] 'C22
F87: [W6] 'W
G87: [W7] 'D21
F88: [W6] 'WNK
G88: [W7] 'D22
AB3: [W7] 0
AC3: [W6] 1678
AD3: [W7] 8872
AE3: [W6] 2712
AF3: [W7] 116.8
AB4: [W7] 448
AC4: [W6] 1230
AD4: [W7] 39900
AE4: [W6] 3880
AF4: [W7] 136.5
AB5: [W7] 12000
AC5: [W6] 5
AD5: [W7] 3300
AE5: [W6] 1232
AF5: [W7] 0.1
AB6: [W7] 734
AC6: [W6] 854
AD6: [W7] 4000
AE6: [W6] 1200
AF6: [W7] 10.6

Letter of Credit

Currently being processed by Bank of New England
Total Face Value - \$1,944,653.00

Standby Trust Agreement

Currently being written by our Corporate Attorneys: Goodwin,
Procter, and Hoar



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DEC 19 1990

Interstate Nuclear Services
ATTN: Les Case
2903 Millwood Avenue
P.O. Box 50164
Columbis, SC 29250

REFUND OF APPLICATION FEE

1. BACKGROUND:

Check Received August 2, 1990
Application Dated July 24, 1990
Check Number 017749
Check Amount \$170

2. REFUND:

Amount \$170

This refund is now being processed and will be sent as soon as possible.

3. REASON FOR REFUND:

Fee for application dated July 24, 1990, for License No. 37-23341-01 is being refunded in accordance with Information Notice 90-38, Supplement #1.

NOTE: ENCLOSED IS A COPY OF THE MAY 23, 1990 FEDERAL REGISTER NOTICE CONTAINING THE COMMISSION'S REVISED FEE REGULATIONS WHICH WENT INTO EFFECT JULY 2, 1990. IF YOU HAVE ANY QUESTIONS CONCERNING THE FEES TO BE SUBMITTED WITH FUTURE APPLICATIONS, PLEASE CONTACT US AT 301-492-4650.

mm
Maurice Messier
License Fee and Debt Collection Branch
Division of Accounting and Finance
Office of the Controller

Enclosure: May 23, 1990
Federal Register notice

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03218
STATUS CODE: 0
FEE CATEGORY: 6A
EXP. DATE: 19940831
FEE COMMENTS: CALIBRATION IS FOR THEM

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: INS CORPORATION
RECEIVED DATE: 900727
DOCKET NO.: 3020934
CONTROL NO.: 113003
LICENSE NO.: 37-23341-01
ACTION TYPE: AMENDMENT

RI - Letterhead states is a "division" of
Unifirst Corporation per 7/24 ltr.
(also the other license
name is not abbreviated.)

2. FEE ATTACHED

AMOUNT: 170.00
CHECK NO.: 011749

3. COMMENTS

7A

SIGNED _____
DATE 7-30-90

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED ☒)

1. FEE CATEGORY AND AMOUNT: 6A

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ☒
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED _____
DATE 7/27/90