

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Docket No. 70-1268

Extra

Indemnity Agreement No. E-54

This Indemnity Agreement No. E-54 is entered into by and between
Lowell Technological Institute

(hereinafter referred to as the "licensee") and the United States Atomic Energy Commission (hereinafter referred to as the "Commission") pursuant to subsection 170k of the Atomic Energy Act of 1954, as amended (hereinafter referred to as "the Act").

ARTICLE I

As used in this agreement:

1. "Nuclear reactor," "byproduct material," "person," "source material," and "special nuclear material" shall have the meanings given them in the Atomic Energy Act of 1954, as amended, and the regulations issued by the Commission.

2.(a) "Nuclear incident" means any occurrence, including an extraordinary nuclear occurrence, or series of occurrences at the location or in the course of transportation causing bodily injury, sickness, disease, or death, or loss of or damage to property, or loss of use of property, arising out of or resulting from the radioactive, toxic, explosive, or other hazardous properties of the radioactive material.

(b) Any occurrence, including an extraordinary nuclear occurrence, or series of occurrences causing bodily injury, sickness, disease or death, or loss of or damage to property, or loss of use of property, arising out of or resulting from the radioactive, toxic, explosive, or other hazardous properties of

1. The radioactive material discharged or dispersed from the location over a period of day, weeks, months or longer and also arising out of such properties of other material



defined as "the radioactive material" in any other agreement or agreements entered into by the Commission under subsection 170c or k of the Act and so discharged or dispersed from "the location" as defined in any such other agreement; or

ii. The radioactive material in the course of transportation and also arising out of such properties of other material defined in any other agreement entered into by the Commission pursuant to subsection 170c or k of the Act as "the radioactive material" and which is in the course of transportation

shall be deemed to be a common occurrence. A common occurrence shall be deemed to constitute a single nuclear incident.

3. "Extraordinary nuclear occurrence" means an event which the Commission has determined to be an extraordinary nuclear occurrence as defined in the Atomic Energy Act of 1954, as amended.

4. "In the course of transportation" means in the course of transportation within the United States, including handling or temporary storage incidental thereto, of the radioactive material to the location or from the location provided that:

(a) With respect to transportation of the radioactive material to the location, such transportation is not by predetermination to be interrupted by the removal of the material from the transporting conveyance for any purpose other than the continuation of such transportation to the location or temporary storage incidental thereto;

(b) The transportation of the radioactive material from the location shall be deemed to end when the radioactive material is removed from the transporting conveyance for any purpose other than the continuation of transportation or temporary storage incidental thereto;

(c) "In the course of transportation" as used in this agreement shall not include transportation of the radioactive material to the location if the material is also "in the course of transportation" from any other "location" as defined in any other agreement entered into by the Commission pursuant to subsection 170c or k of the Act.

5. "Person indemnified" means the licensee and any other person who may be liable for public liability.

6. "Public liability" means any legal liability arising out of or resulting from a nuclear incident, except (1) claims under State or Federal Workmen's Compensation Acts of employees of persons indemnified who are employed (a) at the location or, if the nuclear incident occurs in the course of transportation of the radioactive material, on the transporting vehicle, and (b) in connection with the licensee's possession, use, or transfer of the radioactive material; (2) claims arising out of an act of war; and (3) claims for loss of, or damage to, or loss of use of (a) property which is located at the location and used in connection with the licensee's possession, use, or transfer of the radioactive material, and (b) if the nuclear incident occurs in the course of transportation of the radioactive material, the transporting vehicle, containers used in such transportation, and the radioactive material.

7. "The location" means the location described in Item 3 of the Attachment hereto.

8. "The radioactive material" means source, special nuclear, and byproduct material which (1) is used, or to be used in, or is irradiated or to be irradiated by, the nuclear reactor or reactors subject to the license or licenses designated in the Attachment hereto, or (2) is produced as the result of operation of said reactor(s).

9. "United States" when used in a geographical sense includes all Territories and possessions of the United States, the Canal Zone and Puerto Rico.

ARTICLE II

1. Any obligations of the licensee under subsection 53e(8) of the Act to indemnify the United State and the Commission from public liability shall not in the aggregate exceed \$250,000 with respect to any nuclear incident.

2. With respect to any extraordinary nuclear occurrence to which this agreement applies, the Commission, and the licensee on behalf of itself and other persons indemnified, insofar as their interests appear, each agree to waive

(a) any issue or defense as to the conduct of the claimant or fault of persons indemnified, including, but not limited to

- (1) negligence;
- (2) contributory negligence;
- (3) assumption of the risk;
- (4) unforeseeable intervening causes, whether involving the conduct of a third person or an act of God.

As used herein, "conduct of the claimant" includes conduct of persons through whom the claimant derives his cause of action;

(b) any issue or defense as to charitable or governmental immunity;

(c) any issue or defense based on any statute of limitations if suit is instituted within three years from the date on which the claimant first knew, or reasonably could have known, of his injury or damage and the cause thereof, but in no event more than ten years after the date of the nuclear incident.

The waiver of any such issue or defense shall be effective regardless of whether such issue or defense may otherwise be deemed jurisdictional or relating to an element in the cause of action. The waivers shall be judicially enforceable in accordance with their terms by the claimant against the person indemnified.

3. The waivers set forth in paragraph 2 of this Article:

(a) shall not preclude a defense based upon a failure to take reasonable steps to mitigate damages;

(b) shall not apply to injury or damage to a claimant or to a claimant's property which is intentionally sustained by the claimant or which results from a nuclear incident intentionally and wrongfully caused by the claimant;

(c) shall not apply to injury to a claimant who is employed at the site of and in connection with the activity where the extraordinary nuclear occurrence takes place if benefits therefor are either payable or required to be provided under any workmen's compensation or occupational disease law;

(d) shall not apply to any claim for punitive or exemplary damages, provided, with respect to any claim for wrongful death under any State law which provides for damages only punitive in nature, this exclusion does not apply to the extent that the claimant has sustained actual damages, measured by the pecuniary injuries resulting from such death but not to exceed the maximum amount otherwise recoverable under such law;

(e) shall be effective only with respect to those obligations set forth in this agreement;

(f) shall not apply to, or prejudice the prosecution or defense of, any claim or portion of claim which is not within the protection afforded under (1) the limit of liability provisions under subsection 170e of the Atomic Energy Act of 1954, as amended, and (b) the terms of this agreement.

ARTICLE III

1. The Commission undertakes and agrees to indemnify and hold harmless the licensee and other persons indemnified, as their interest may appear, from public liability.

2. With respect to damage caused by a nuclear incident to property of any person legally liable for the nuclear incident, the Commission agrees to pay to such person those sums which such person would have been obligated to pay if such property had belonged to another; provided, that the obligation of the Commission under this paragraph 2 does not apply with respect to:

(a) Property which is located at the location and used in connection with the licensee's possession, use, or transfer of the radioactive material;

(b) Property damage due to the neglect of the person indemnified to use all reasonable means to save and preserve the property after knowledge of a nuclear incident;

(c) If the nuclear incident occurs in the course of transportation of the radioactive material, the transporting vehicle and containers used in such transportation;

(d) The radioactive material.

3. The Commission agrees to indemnify and hold harmless the licensee and other persons indemnified, as their interest may appear, from the reasonable costs of investigating, settling and defending claims for public liability.

4.(a) The obligations of the Commission under this agreement shall apply only with respect to such public liability, such damage to property of persons legally liable for the nuclear incident (other than such property described in the proviso to paragraph 2 of this Article) and such reasonable costs described in paragraph 3 of this Article as in the aggregate exceed \$250,000.

(b) With respect to a common occurrence, the obligations of the Commission under this agreement shall apply only with respect to such public liability, such damage to property of persons legally liable for the nuclear incident (other than such property described in the proviso to paragraph 2 of this Article) and to such reasonable costs described in paragraph 3 of this Article as in the aggregate exceed whichever of the following is lower:

(1) the sum of the amounts of financial protection established under all applicable agreements; or (2) \$82,000,000. As used in this Article, "applicable agreements" means each agreement entered into by the Commission pursuant to subsection 170c of the Act in which agreement the nuclear incident is defined as a "common occurrence."

5. The obligations of the Commission under this agreement shall apply only with respect to nuclear incidents occurring during the term of this agreement.

6. The obligations of the Commission under this and all other agreements and contracts to which the Commission is a party shall not, with respect to any nuclear incident, in the aggregate exceed whichever of the following is the lower: (a) \$500,000,000 or (b) with respect to a common occurrence, \$560,000,000 less the sum of the amounts of financial protection established under all applicable agreements.

7. If the licensee is immune from public liability because it is a State agency, the Commission shall make payments under this agreement in the same manner and to the same extent as the Commission would be required to do if the licensee were not such a State agency.

8. The obligations of the Commission under this agreement, except to a licensee for damage to property of the licensee, shall not be affected by any failure on the part of the licensee to fulfill its obligations under this agreement. Bankruptcy or insolvency of the licensee or any other person indemnified or of the estate of the licensee or any other person indemnified shall not relieve the Commission of any of its obligations hereunder.

ARTICLE IV

1. When the Commission determines that the United States will probably be required to make indemnity payments under the provisions of this agreement, the Commission shall have the right to collaborate with the licensee and other persons indemnified in the settlement and defense of any claim and shall have the right (a) to require the prior approval of the Commission for the settlement or payment of any claim or action asserted against the licensee or other person indemnified for public liability or damage to property of persons legally liable for the nuclear incident which claim or action the licensee or the Commission may be required to indemnify under this agreement; and (b) to appear through the Attorney General of the United States on behalf of the licensee or other person indemnified, take charge of such action and settle or defend any such action. If the settlement or defense of any such action or claim is undertaken by the Commission, the licensee shall furnish all reasonable assistance in effecting a settlement or asserting a defense.

2. Neither this agreement nor any interest therein nor claim thereunder may be assigned or transferred without the approval of the Commission.

ARTICLE V

The parties agree that they will enter into appropriate amendments of this agreement to the extent that such amendments are required pursuant to the Atomic Energy Act of 1954, as amended, or licenses, regulations or orders of the Commission.

ARTICLE VI

The licensee agrees to pay to the Commission such fees as are established by the Commission pursuant to regulations or orders of the Commission.

ARTICLE VII

The term of this agreement shall commence as of the date and time specified in Item 4 of the Attachment and shall terminate at the time of expiration of that license specified in Item 2 of the Attachment, which is the last to expire; provided that, except as may otherwise be provided in applicable regulations or orders of the Commission, the term of this agreement shall not terminate until all the radioactive material has been removed from the location and transportation of the radioactive material from the location has ended as defined in subparagraph 4(b), Article I. Termination of the term of this agreement shall not affect any obligation of the licensee or any obligation of the Commission under this agreement with respect to any nuclear incident occurring during the term of this agreement.

UNITED STATES ATOMIC ENERGY COMMISSION

ATTACHMENT

Indemnity Agreement No. E-54-

Item 1 - Licensee Lowell Technological Institute

Address 1 Textile Avenue
Lowell, Massachusetts 01854

Item 2 - License number or numbers

SNM-1220

Item 3 - Location *the Reactor Building Containment and the Nuclear Center*

The fuel storage room in the basement of licensee's Nuclear Center as depicted in the Building Plans, Part A and Part B included in the licensee's application for a license for storage of LTI reactor fuel elements, dated October 20, 1970. The Nuclear Center is on the Institute's campus in Lowell, Massachusetts.

Item 4 - The indemnity agreement designated above, of which this Attachment is a part, is effective as of 12:01 a.m., on the sixth day of January, 1971.

FOR THE UNITED STATES ATOMIC ENERGY COMMISSION

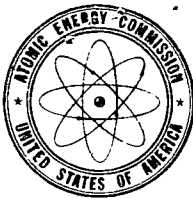
Eber R. Price
Eber R. Price, Director
Division of State and Licensee Relations

FOR LOWELL TECHNOLOGICAL INSTITUTE

BY

James W. Olney
Executive Vice President

Dated at Bethesda, Maryland,
the sixth day of January, 1971.



Docket No. 70-1268

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Extra

Noted
C. J. H.

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 1


Effective December 14, 1971, Indemnity Agreement No. E-54 between Lowell Technological Institute and the Atomic Energy Commission, dated January 6, 1971, is hereby amended as follows:

Article II is amended by adding the following proviso at the end of subparagraph 3(c):

"Provided, however, that with respect to an extraordinary nuclear occurrence occurring at the facility, a claimant who is employed at the facility in connection with the construction of a nuclear reactor with respect to which no operating license has been issued by the Atomic Energy Commission shall not be considered as employed in connection with the activity where the extraordinary nuclear occurrence takes place if:

- (1) the claimant is employed exclusively in connection with the construction of a nuclear reactor, including all related equipment and installations at the facility, and
- (2) no operating license has been issued by the AEC with respect to the nuclear reactor, and
- (3) the claimant is not employed in connection with the possession, storage, use or transfer of nuclear material at the facility."

FOR THE UNITED STATES ATOMIC ENERGY COMMISSION


Lyall Johnson, Director
Division of State and Licensee Relations

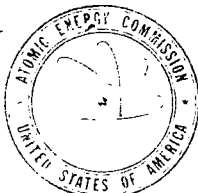
Accepted January 12, ~~1971~~ 1972

By 
LOWELL TECHNOLOGICAL INSTITUTE

EVERETT V. OLSEN
Acting President



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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Docket No. 70-1268

Noted Docket
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AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 2

Effective March 1, 1972, Indemnity Agreement No. E-54, between Lowell Technological Institute and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

Article III, Paragraph 4(b)(2) is amended by deleting the amount "\$82,000,000" and substituting therefor the amount "\$95,000,000."

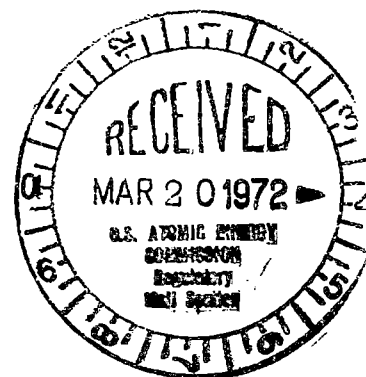
FOR THE UNITED STATES ATOMIC ENERGY COMMISSION

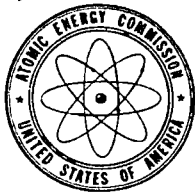

Jerome Saltzman, Chief
Indemnity and Export Control Branch
Division of State and Licensee Relations

Accepted March 17, , 1972

By 
LOWELL TECHNOLOGICAL INSTITUTE

EVERETT V. OLSEN
Acting President





Docket No. 70-1268

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545



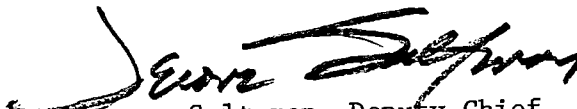
AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 3

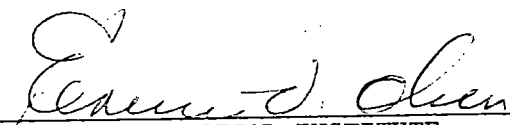
Effective March 1, 1974, Indemnity Agreement No. E-54, between Lowell Technological Institute and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

Article III, Paragraph 4(b)(2) is amended by deleting the amount "\$95,000,000" and substituting therefor the amount "\$110,000,000."

FOR THE UNITED STATES ATOMIC ENERGY COMMISSION


Jerome Saltzman, Deputy Chief
Office of Antitrust & Indemnity
Directorate of Licensing

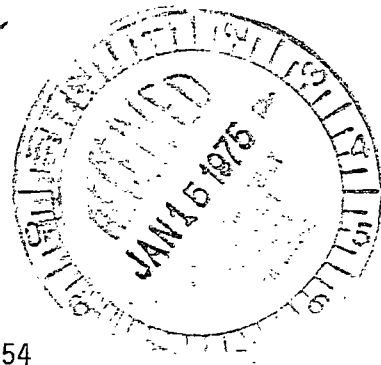
Accepted March 21, 1974

By 
LOWELL TECHNOLOGICAL INSTITUTE
EVERETT V. OLSEN, President



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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545



Docket No. 70-1268

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 4

Effective DEC 24 1974, Indemnity Agreement No. E-54 between Lowell Technological Institute and the Atomic Energy Commission, dated January 6, 1971 as amended, is hereby further amended as follows:

Item 2 of the Attachment to the indemnity agreement is deleted in its entirety and the following substituted therefor:

Item 2 - License number or numbers

SNM-1220	(From 12:01 a.m., January 6, 1971, to 12 midnight, DEC 23 1974, inclusive)	,
R-125	(From 12:01 a.m., DEC 24 1974)

Item 3 of the Attachment to the indemnity agreement is deleted in its entirety and the following substituted therefor:

Item 3 - Location

The LTI reactor containment building, the fuel storage room in the basement of the licensee's Nuclear Center and areas between the containment building and the fuel storage room through which and while the fuel will be moved, all located on the Institute's campus in Lowell, Massachusetts.

FOR THE UNITED STATES ATOMIC ENERGY COMMISSION

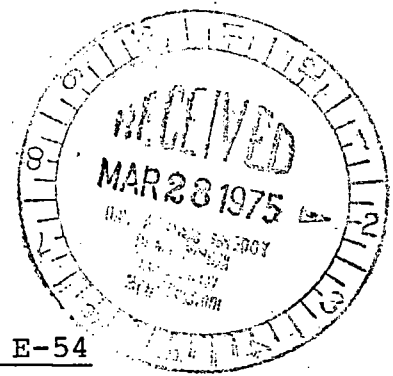
Jerome Saltzman
Jerome Saltzman, Deputy Chief
Office of Antitrust & Indemnity
Directorate of Licensing

Accepted January 3, 1975

By *Everett V. Olsen*
LOWELL TECHNOLOGICAL INSTITUTE
EVERETT V. OLSEN, President

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



Docket No. 50-223

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

*United States
Lowell*

AMENDMENT NO. 5

Effective March 21, 1975, Indemnity Agreement No. E-54, between Lowell Technological Institute, and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

The name "United States Atomic Energy Commission" is deleted wherever it appears and the name "United States Nuclear Regulatory Commission" is substituted therefor.

Article III, Paragraph 4(b)(2) is amended by deleting the amount "\$110,000,000" and substituting therefor the amount "\$125,000,000."

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION

Jerome Saltzman, Deputy Chief
Office of Antitrust & Indemnity
Nuclear Reactor Regulation

Accepted March 26, , 1975

By

LOWELL TECHNOLOGICAL INSTITUTE

EVERETT V. OLSEN, President



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

Docket No. 50-223

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 6

Effective OCT 15 1975, Indemnity Agreement No. E-54, between Lowell Technological Institute, and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended by deleting the name "Lowell Technological Institute" wherever it appears in the agreement and substituting in lieu thereof the name:

"The University of Lowell"

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION



Jerome Saltzman, Acting Chief
Office of Antitrust & Indemnity
Nuclear Reactor Regulation

Accepted , 1975

EVERETT V. OLSEN
Acting President
UNIVERSITY OF LOWELL

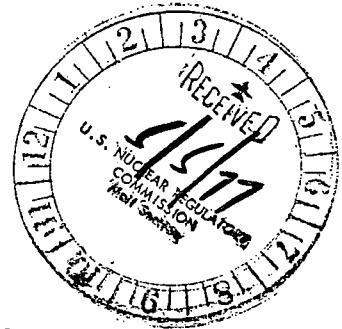
By: December 10, 1975
~~THE UNIVERSITY OF LOWELL~~





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

Docket No. 50-223



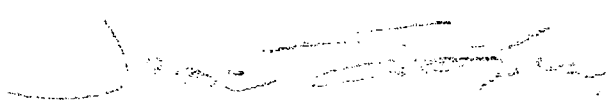
AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 7

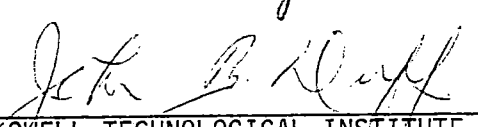
Effective MAY 01 1977, Indemnity Agreement No. E-54, between Lowell Technological Institute, and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

Article III, Paragraph 4(b)(2) is amended by deleting the amount "125,000,000" and substituting therefor the amount "140,000,000."

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION


Jerome Saltzman, Chief
Antitrust & Indemnity Group
Nuclear Reactor Regulation

Accepted May 2, 1977

By 
LOWELL TECHNOLOGICAL INSTITUTE
UNIVERSITY OF LOWELL

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

Docket No. 50-223

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 8

Effective May 1, 1979, Indemnity Agreement No. E-54, between Lowell Technological Institute and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

Article III, Paragraph 4(b)(2) is amended by deleting the amount "\$140,000,000" and substituting therefor the amount "\$160,000,000."

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "Jerome Saltzman", is written over the typed name.

Jerome Saltzman, Chief
Antitrust and Indemnity Group
Office of Nuclear Reactor Regulation

Accepted August 22, 1979

A handwritten signature in black ink, appearing to read "John B. Duff", is written over the typed name.

By LOWELL TECHNOLOGICAL INSTITUTE
Dr. John B. Duff
President, University of Lowell



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

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Docket No. 50-223

AMENDMENT TO INDEMNITY AGREEMENT NO. E-54

AMENDMENT NO. 9

Effective May 1, 1977, Indemnity Agreement No. E-54, between University of Lowell, and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended by modifying the prefatory language of paragraph 4, Article I, to read as follows:

"In the course of transportation" means in the course of transportation within the United States, or in the course of transportation outside the United States and any other nation, including handling or temporary storage incidental thereto, of the radioactive material to the location or from the location provided that:

FOR THE UNITED STATES NUCLEAR REGULATORY COMMISSION

Jerome Saltzman, Chief
Antitrust & Indemnity Group
Office of Nuclear Reactor Regulation

Accepted November 30, 1979

By John B. Duff, President
UNIVERSITY OF LOWELL

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

Docket No. 50-223

Amendment to Indemnity Agreement No. E-54
Amendment No. 10

Effective July 1, 1989, Indemnity Agreement No. E-54, between University of Lowell, and the Atomic Energy Commission, dated January 6, 1971, as amended, is hereby further amended as follows:

The amount "\$160,000,000" is deleted wherever it appears and the amount "\$200,000,000" is substituted therefor.

The amount "\$124,000,000" is deleted wherever it appears and the amount "\$155,000,000" is substituted therefor.

The amount "\$36,000,000" is deleted wherever it appears and the amount "\$45,000,000" is substituted therefor.

Paragraph 1, Article I is modified to read as follows:

1. "Nuclear reactor," "byproduct material," "person," "source material," "special nuclear material," and "precautionary evacuation" shall have the meanings given them in the Atomic Energy Act of 1954, as amended, and the regulations issued by the Commission.

The definition of "public liability" in paragraph 7, Article I is deleted, and the following is substituted therefor:

"Public liability" means any legal liability arising out of or resulting from a nuclear incident or precautionary evacuation (including all reasonable additional costs incurred by a State or a political subdivision of a State, in the course or responding to a nuclear incident or precautionary evacuation), except (1) claims under State or Federal Workmen's Compensation Acts of employees of persons indemnified who are employed (a) at the location or, if the nuclear incident occurs in the course of transportation of the radioactive material, on the transporting vehicle, and (b) in connection with the licensee's possession, use or transfer of the radioactive material; (2) claims arising out of an act of war; and (3) claims for loss of, or damage to, or loss of use of (a) property which is located at the location and used in connection with the licensee's possession, use, or transfer of the radioactive material, and (b) if the nuclear incident occurs in the course of transportation of the radioactive material, the transporting vehicle, containers used in such transportation, and the radioactive material.

Paragraph 4(c), Article II is revised to read as follows:

- (c) Any issue or defense based on any statute of limitations if suit is instituted within three years from the date on which the claimant first knew, or reasonably could have known, of his injury or damage and the cause thereof.

Paragraph 1, Article IV is revised to read as follows:

1. When the Commission determines that the United States will probably be required to make indemnity payments under the provisions of this agreement, the Commission shall have the right to collaborate with the licensee and other persons indemnified in the settlement and defense of any claim (including such legal costs of the licensee as are approved by the Commission) and shall have the right (a) to require the prior approval of the Commission for the settlement or payment of any claim or action asserted against the licensee or other person indemnified for public liability or damage to property of persons legally liable for the nuclear incident which claim or action the licensee or the Commission may be required to indemnify under this agreement; and (b) to appear through the Attorney General of the United States on behalf of the licensee or other person indemnified, take charge of such action and settle or defend any such action. If the settlement or defense of any such action or claim is undertaken by the Commission, the licensee shall furnish all reasonable assistance in effecting a settlement or asserting a defense.

In paragraph 1, Article VIII, the amount "\$5,000,000" is deleted and the amount "\$63,000,000" is substituted therefor.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Cecil O. Thomas
 Cecil O. Thomas, Chief
 Policy Development and Technical Support Branch
 Program Management Policy Development
 and Analysis Staff
 Office Nuclear Reactor Regulation

Accepted 12/18/, 1989

By L. J. Beckman
 University of Lowell