

93RD GENERAL ASSEMBLY

State of Illinois

2003 and 2004

Introduced 02/05/04, by Charles G. Morrow III

SYNOPSIS AS INTRODUCED:

420 ILCS 5/2	from Ch. 111 1/2, par. 4302
420 ILCS 5/3	from Ch. 111 1/2, par. 4303
420 ILCS 5/4	from Ch. 111 1/2, par. 4304
420 ILCS 5/5	from Ch. 111 1/2, par. 4305
420 ILCS 5/7	from Ch. 111 1/2, par. 4307
420 ILCS 5/8	from Ch. 111 1/2, par. 4308
420 ILCS 5/9	from Ch. 111 1/2, par. 4309
420 ILCS 5/10	from Ch. 111 1/2, par. 4310
420 ILCS 5/6 rep.	

Amends the Nuclear Safety Preparedness Act. Changes references in the Act from the "Department of Nuclear Safety" to the "Illinois Emergency Management Agency". Deletes a provision concerning certain fees. Repeals a Section concerning the requirement to prepare a budget. Makes other changes. Effective immediately.

LRB093 18309 BDD 44015 b

FISCAL NOTE ACT MAY APPLY

1

AN ACT concerning nuclear safety.

2 Be it enacted by the People of the State of Illinois, 3 represented in the General Assembly:

4 Section 5. The Illinois Nuclear Safety Preparedness Act is 5 amended by changing Sections 2, 3, 4, 5, 7, 8, 9, and 10 as 6 follows:

7 (420 ILCS 5/2) (from Ch. 111 1/2, par. 4302)

Sec. 2. It is declared to be the policy of the General 8 Assembly to protect the people of the State of Illinois against 9 adverse health effects resulting from radiological accidents 10 and incidents by establishing a mechanism for emergency 11 preparedness to mitigate the effects of such accidents and 12 incidents. The General Assembly finds that it is appropriate 13 14 that the nuclear industry bear costs associated with preparing 15 and implementing plans to deal with the effects of nuclear accidents and incidents. The fees assessed by this Act are 16 17 intended to cover the costs of the Nuclear Safety Preparedness 18 Program authorized by this Act.

19 (Source: P.A. 90-601, eff. 6-26-98.)

20 (420 ILCS 5/3) (from Ch. 111 1/2, par. 4303)

21 Sec. 3. Definitions. Unless the context otherwise clearly 22 requires, as used in this Act:

(1) "<u>Agency</u> Department" means the <u>Illinois Emergency</u>
 <u>Management Agency</u> Department of Nuclear Safety of the State of
 Illinois.

(2) "Director" means the Director of the <u>Illinois Emergency</u>
 <u>Management Agency</u> Department of Nuclear Safety.

(3) "Person" means any individual, corporation,
 partnership, firm, association, trust, estate, public or
 private institution, group, agency, political subdivision of
 this State, any other state or political subdivision or agency

- 2 - LRB093 18309 BDD 44015 b

HB5043

1 thereof, and any legal successor, representative, agent, or 2 agency of the foregoing.

3 (4) "NRC" means the United States Nuclear Regulatory 4 Commission or any agency which succeeds to its functions in the 5 licensing of nuclear power reactors or facilities for storing 6 spent nuclear fuel.

(5) "High-level radioactive waste" means (1) the highly 7 8 radioactive material resulting from the reprocessing of spent 9 nuclear fuel including liquid waste produced directly in 10 reprocessing and any solid material derived from such liquid 11 waste that contains fission products in sufficient 12 concentrations; and (2) the highly radioactive material that 13 the NRC has determined to be high-level radioactive waste 14 requiring permanent isolation.

15 (6) "Nuclear facilities" means nuclear power plants, 16 facilities housing nuclear test and research reactors, 17 facilities for the chemical conversion of uranium, and 18 facilities for the storage of spent nuclear fuel or high-level 19 radioactive waste.

(7) "Spent nuclear fuel" means fuel that has been withdrawn
from a nuclear reactor following irradiation, the constituent
elements of which have not been separated by reprocessing.

(8) "Transuranic waste" means material contaminated with elements that have an atomic number greater than 92, including neptunium, plutonium, americium, and curium, excluding radioactive wastes shipped to a licensed low-level radioactive waste disposal facility.

28 <u>(9) "Highway route controlled quantity of radioactive</u> 29 <u>materials" means that quantity of radioactive materials</u> 30 <u>defined as a highway route controlled quantity under rules of</u> 31 <u>the United States Department of Transportation, or any</u> 32 <u>successor agency.</u>

33 (Source: P.A. 90-601, eff. 6-26-98.)

34 (420 ILCS 5/4) (from Ch. 111 1/2, par. 4304)

35 Sec. 4. Nuclear <u>preparedness</u> accident plans; fees. Persons

- 3 - LRB093 18309 BDD 44015 b

HB5043

1 engaged within this State in the production of electricity 2 utilizing nuclear energy, the operation of nuclear test and 3 research reactors, the chemical conversion of uranium, or the 4 transportation, storage or possession of spent nuclear fuel or 5 high-level radioactive waste shall pay fees to cover the cost 6 of establishing plans and programs to deal with the possibility 7 of nuclear accidents and incidents. Except as provided below, 8 the fees shall be used exclusively to fund those Agency 9 Departmental and local government activities defined as necessary by the Director to implement and maintain the plans 10 11 and programs authorized by this Act. Local governments 12 incurring expenses attributable to implementation and 13 maintenance of the plans and programs authorized by this Act may apply to the Agency Department for compensation for those 14 15 expenses, and upon approval by the Director of applications 16 submitted by local governments, the Agency Department shall 17 compensate local governments from fees collected under this Section. Compensation for local governments shall include 18 \$450,000 for fiscal year 2003 and \$450,000 each fiscal year 19 thereafter. \$250,000 in any year through fiscal year 1993, 20 \$275,000 in fiscal year 1994 and fiscal year 1995, \$300,000 in 21 fiscal year 1996, \$400,000 in fiscal year 1997, and \$450,000 in 22 fiscal year 1998 and thereafter. Appropriations to the 23 Department of Nuclear Safety for compensation to 24 local governments from the Nuclear Safety Emergency Preparedness 25 26 Fund provided for in this Section shall not exceed \$650,000 per 27 State fiscal year. Expenditures for compensation to local 28 governments from these appropriations shall not exceed, in a single State fiscal year, \$450,000 and the annual compensation 29 30 amount made available to local governments under this Section, 31 unexpended funds made available for local government 32 compensation in the previous fiscal year, and funds recovered 33 under the Illinois Grant Funds Recovery Act during previous fiscal years. Notwithstanding any other provision of this Act, 34 the expenditure limitation for fiscal year 1998 shall include 35 the additional \$100,000 made available to local governments for 36

- 4 - LRB093 18309 BDD 44015 b

HB5043

fiscal year 1997 under this amendatory Act of 1997. Any funds 1 2 within these expenditure limitations compensation to local governments, including the additional \$100,000 made available 3 for fiscal year 1997 under this amendatory Act of 1997, that 4 5 remain unexpended at the close of business on June 30, 1997, and on June 30 of each State fiscal succeeding year, shall be 6 7 excluded from the calculations of credits under subparagraph 8 (3) of this Section. The Agency Department shall, by rule, 9 determine the method for compensating local governments under this Section. In addition, a portion of the fees collected may 10 be appropriated to the Illinois Emergency Management Agency for 11 activities associated with preparing and implementing plans to 12 deal with the effects of nuclear accidents. The appropriation 13 shall not exceed \$500,000 in any year preceding fiscal year 14 1996; the appropriation shall not exceed \$625,000 in fiscal 15 year 1996, \$725,000 in fiscal year 1997, and \$775,000 in fiscal 16 17 vear 1998 and thereafter. The fees shall consist of the 18 following:

19 (1) A one-time charge of \$590,000 per nuclear power station20 in this State to be paid by the owners of the stations.

(2) An additional charge of \$240,000 per nuclear power
station for which a fee under subparagraph (1) was paid before
June 30, 1982.

(3) Through June 30, 1982, an annual fee of \$75,000 per 24 25 year for each nuclear power reactor for which an operating license has been issued by the NRC, and after June 30, 1982, 26 27 and through June 30, 1984 an annual fee of \$180,000 per year 28 for each nuclear power reactor for which an operating license has been issued by the NRC, and after June 30, 1984, and 29 30 through June 30, 1991, an annual fee of \$400,000 for each nuclear power reactor for which an operating license has been 31 issued by the NRC, to be paid by the owners of nuclear power 32 reactors operating in this State. After June 30, 1991, the The 33 owners of nuclear power reactors in this State for which 34 35 operating licenses have been issued by the NRC shall pay the following fees for each such nuclear power reactor: for State 36

fiscal year 1992, \$925,000; for State fiscal year 1993, 1 2 \$975,000; for State fiscal year 1994; \$1,010,000; for State fiscal year 1995, \$1,060,000; for State fiscal years 1996 and 3 1997, \$1,110,000; for State fiscal year 1998, \$1,314,000; for 4 State fiscal year 1999, \$1,368,000; for State fiscal year 2000, 5 \$1,404,000; for State fiscal year 2001, \$1,696,455; for State 6 fiscal year 2002, \$1,730,636; for State fiscal year 2003 and 7 8 subsequent fiscal years, \$1,757,727. Within 120 days after the end of the State fiscal year, the Agency Department shall 9 determine, from the records of the Office of the Comptroller, 10 11 the balance in the Nuclear Safety Emergency Preparedness Fund. 12 When the balance in the fund, less any fees collected under 13 this Section prior to their being due and payable for the succeeding fiscal year or years, exceeds \$400,000 at the close 14 of business on June 30, 1993, 1994, 1995, 1996, 1997, and 1998, 15 16 or exceeds \$500,000 at the close of business on June 30, 2003 17 1999 and June 30 of each succeeding year, the excess shall be credited to the owners of nuclear power reactors who are 18 19 assessed fees under this subparagraph. Credits shall be applied 20 against the fees to be collected under this subparagraph for the subsequent fiscal year. Each owner shall receive as a 21 22 credit that amount of the excess which corresponds 23 proportionately to the amount the owner contributed to all fees collected under this subparagraph in the fiscal year that 24 25 produced the excess.

(3.5) The owner of a nuclear power reactor that notifies the Nuclear Regulatory Commission that the nuclear power reactor has permanently ceased operations during State fiscal year 1998 shall pay the following fees for each such nuclear power reactor: \$1,368,000 for State fiscal year 1999 and \$1,404,000 for State fiscal year 2000.

(4) A capital expenditure surcharge of \$1,400,000 per
 nuclear power station in this State, whether operating or under
 construction, shall be paid by the owners of the station.

35 (5) An annual fee of \$25,000 per year for each site for
 36 which a valid operating license has been issued by NRC for the

1 operation of an away-from-reactor spent nuclear fuel or 2 high-level radioactive waste storage facility, to be paid by 3 the owners of facilities for the storage of spent nuclear fuel 4 or high-level radioactive waste for others in this State.

5 (6) A one-time charge of \$280,000 for each facility in this 6 State housing a nuclear test and research reactor, to be paid 7 by the operator of the facility. However, this charge shall not 8 be required to be paid by any tax-supported institution.

9 (7) A one-time charge of \$50,000 for each facility in this 10 State for the chemical conversion of uranium, to be paid by the 11 owner of the facility.

12 (8) An annual fee of \$150,000 per year for each facility in 13 this State housing a nuclear test and research reactor, to be 14 paid by the operator of the facility. However, this annual fee 15 shall not be required to be paid by any tax-supported 16 institution.

17 (9) An annual fee of \$15,000 per year for each facility in 18 this State for the chemical conversion of uranium, to be paid 19 by the owner of the facility.

(10) A fee assessed at the rate of \$2,500 per truck for 20 each truck shipment and \$4,500 for the first cask and \$3,000 21 for each additional cask for each rail shipment of spent 22 23 nuclear fuel, high-level radioactive waste, or transuranic waste, or a highway route controlled quantity of radioactive 24 25 materials received at or departing from any nuclear power 26 station or away-from-reactor spent nuclear fuel, high-level 27 radioactive waste, or transuranic waste storage facility, or 28 other facility in this State to be paid by the shipper of the nuclear fuel, high level radioactive waste, 29 spent or transuranic waste, or highway route controlled quantity of 30 31 radioactive material. Truck shipments of greater than 250 miles 32 in Illinois are subject to a surcharge of \$25 per mile over 250 miles for each truck in the shipment. The amount of fees 33 collected each fiscal year under this subparagraph shall be 34 35 excluded from the calculation of credits under subparagraph (3) of this Section. 36

- 7 - LRB093 18309 BDD 44015 b

HB5043

1 (11) A fee assessed at the rate of \$2,500 per truck for 2 each truck shipment and \$4,500 for the first cask and \$3,000 3 for each additional cask for each rail shipment of spent 4 nuclear fuel, high-level radioactive waste, or transuranic 5 waste, or a highway route controlled quantity of radioactive materials traversing the State to be paid by the shipper of the 6 7 spent nuclear fuel, high level radioactive waste, or transuranic waste, or highway route controlled quantity of 8 9 radioactive material. Truck shipments of greater than 250 miles in Illinois are subject to a surcharge of \$25 per mile over 250 10 11 miles for each truck in the shipment. The amount of fees 12 collected each fiscal year under this subparagraph shall be 13 excluded from the calculation of credits under subparagraph (3) of this Section. 14

(12) In each of the State fiscal years 1988 through 1991, 15 16 in addition to the annual fee provided for in subparagraph (3), 17 a fee of \$400,000 for each nuclear power reactor for which an operating license has been issued by the NRC, to be paid by the 18 19 owners of nuclear power reactors operating in this State. Within 120 days after the end of the State fiscal years ending 20 June 30, 1988, June 30, 1989, June 30, 1990, and June 30, 1991, 21 the Department shall determine the expenses of the Illinois 22 Nuclear Safety Preparedness Program paid from funds 23 appropriated for those fiscal years. When the aggregate of all 24 fees, charges, and surcharges collected under this Section 25 26 during any fiscal year exceeds the total expenditures under 27 this Act from appropriations for that fiscal year, the excess 28 shall be credited to the owners of nuclear power reactors who are assessed fees under this subparagraph, and the credits 29 30 shall be applied against the fees to be collected under this 31 subparagraph for the subsequent fiscal year. Each owner shall 32 receive as a credit that amount of the excess that corresponds proportionately to the amount the owner contributed to all fees 33 collected under this subparagraph in the fiscal year that 34 produced the excess. 35

36 (Source: P.A. 91-47, eff. 6-30-99; 91-857, eff. 6-22-00;

- 8 - LRB093 18309 BDD 44015 b

HB5043

1 92-576, eff. 6-26-02.)

2

(420 ILCS 5/5) (from Ch. 111 1/2, par. 4305)

3 Sec. 5. (a) Except as otherwise provided in this Section, 4 within 30 days after the beginning of each State fiscal year, 5 each person who possessed a valid operating license issued by the NRC for a nuclear power reactor or a spent fuel storage 6 7 facility during any portion of the previous fiscal year shall pay to the Agency Department the fees imposed by Section 4 of 8 this Act. The one-time facility charge assessed pursuant to 9 10 subparagraph (1) of Section 4 shall be paid to the Agency 11 Department not less than 2 years prior to scheduled commencement of commercial operation. The additional facility 12 charge assessed pursuant to subparagraph (2) of Section 4 shall 13 14 be paid to the Department of Nuclear Safety (of which the Agency is the successor) within 90 days of June 30, 1982. Fees 15 16 assessed pursuant to subparagraph (3) of Section 4 for State fiscal year 1992 shall be payable as follows: \$400,000 due on 17 18 August 1, 1991, and \$525,000 due on January 1, 1992. Fees 19 assessed pursuant to subparagraph (3) of Section 4 for State fiscal year 1993 and subsequent fiscal years shall be due and 20 payable in two equal payments on July 1 and January 1 during 21 22 the fiscal year in which the fee is due. Fees assessed pursuant 23 to subparagraph (4) of Section 4 shall be paid in six payments, the first, in the amount of \$400,000, shall be due and payable 24 25 30 days after the effective date of this Amendatory Act of 26 1984. Subsequent payments shall be in the amount of \$200,000 27 each, and shall be due and payable annually on August 1, 1985 through August 1, 1989, inclusive. Fees assessed under the 28 29 provisions of subparagraphs (6) and (7) of Section 4 of this Act shall be paid on or before January 1, 1990. Fees assessed 30 31 under the provisions of subparagraphs (8) and (9) of Section 4 of this Act shall be paid on or before January 1st of each 32 year, beginning January 1, 1990. Fees assessed under the 33 provisions of subparagraphs (10) and (11) of Section 4 of this 34 Act shall be paid to the Agency Department within 60 days after 35

- 9 - LRB093 18309 BDD 44015 b

completion of such shipments within this State. Fees assessed

HB5043

1

2 pursuant to subparagraph (12) of Section 4 shall be paid to the 3 Department of Nuclear Safety (of which the Agency is the 4 successor) by each person who possessed a valid operating 5 license issued by the NRC for a nuclear power reactor during 6 any portion of the previous State fiscal year as follows: the fee due in fiscal year 1988 shall be paid on January 15, 1988, 7 the fee due in fiscal year 1989 shall be paid on December 1, 8 9 1988, and subsequent fees shall be paid annually on December 1, 1989 through December 1, 1990. 10

(b) Fees assessed pursuant to paragraph (3.5) of Section 4 for State fiscal years 1999 and 2000 shall be due and payable in 2 equal payments on July 1 and January 1 during the fiscal year in which the fee is due. The fee due on July 1, 1998 shall be payable on that date, or within 10 days after the effective date of this amendatory Act of 1998, whichever is later.

17 (c) Any person who fails to pay a fee assessed under Section 4 of this Act within 90 days after the fee is payable 18 19 is liable in a civil action for an amount not to exceed 4 times 20 the amount assessed and not paid. The action shall be brought 21 by the Attorney General at the request of the Agency Department. If the action involves a fixed facility in 22 23 Illinois, the action shall be brought in the Circuit Court of the county in which the facility is located. If the action does 24 not involve a fixed facility in Illinois, the action shall be 25 26 brought in the Circuit Court of Sangamon County.

27 (Source: P.A. 90-601, eff. 6-26-98; 91-47, eff. 6-30-99.)

28

(420 ILCS 5/7) (from Ch. 111 1/2, par. 4307)

Sec. 7. All monies received by the <u>Agency Department</u> under this Act shall be deposited in the State Treasury and shall be set apart in a special fund to be known as the "Nuclear Safety Emergency Preparedness Fund". All monies within the Nuclear Safety Emergency Preparedness Fund shall be invested by the State Treasurer in accordance with established investment practices. Interest earned by such investment shall be returned

21

22

23

to the Nuclear Safety Emergency Preparedness Fund. Monies deposited in this fund shall be expended by the Director only to support the activities of the Illinois Nuclear Safety Preparedness Program, including activities of the Illinois State Police and the Illinois Commerce Commission under Section 8(a)(9).

7 (Source: P.A. 92-576, eff. 6-26-02.)

8 (420 ILCS 5/8) (from Ch. 111 1/2, par. 4308)

9 Sec. 8. (a) The Illinois Nuclear Safety Preparedness 10 Program shall consist of an assessment of the potential nuclear 11 accidents <u>and incidents</u>, their radiological consequences, and 12 the necessary protective actions required to mitigate the 13 effects of such accidents. It shall include, but not 14 necessarily be limited to:

15 (1) Development of a remote effluent monitoring system 16 capable of reliably detecting and quantifying accidental 17 radioactive releases from nuclear power plants to the 18 environment;

19 (2) Development of an environmental monitoring program
 20 for nuclear facilities other than nuclear power plants;

(3) Development of procedures for radiological assessment and radiation exposure control for areas surrounding each nuclear facility in Illinois;

(4) Radiological training of state and local emergency
 response personnel in accordance with the <u>Agency's</u>
 Department's responsibilities under the program;

(5) Participation in the development of accident
 scenarios and in the exercising of fixed facility nuclear
 emergency response plans;

30 (6) Development of mitigative emergency planning
 31 standards including, but not limited to, standards
 32 pertaining to evacuations, re-entry into evacuated areas,
 33 contaminated foodstuffs and contaminated water supplies;

34 (7) Provision of specialized response equipment
 35 necessary to accomplish this task;

4

1 (8) Implementation of the Boiler and Pressure Vessel 2 Safety program at nuclear steam-generating facilities as mandated by Section 2005-35 of the Department of Nuclear 3 (20 ILCS Law, or its successor statute Safety 5 $\frac{2005/2005 35}{35};$

(9) Development and implementation of a plan for 6 inspecting and escorting all shipments of spent nuclear 7 fuel, high-level radioactive waste, and transuranic waste, 8 9 and highway route controlled quantities of radioactive materials in Illinois; and 10

(10) Implementation of the program under the Illinois 11 12 Nuclear Facility Safety Act.

(b) The Agency Department may incorporate data collected by 13 the operator of a nuclear facility into the Agency's 14 Department's remote monitoring system. 15

(c) The owners of each nuclear power reactor in Illinois 16 17 shall provide the <u>Agency</u> Department all system status signals which could initiate Emergency Action Level Declarations, 18 actuate 19 accident mitigation and provide mitigation 20 verification as directed by the Agency Department. The Agency Department shall designate by rule those system status signals 21 that must be provided. Signals providing indication of 22 23 operating power level shall also be provided. The owners of the nuclear power reactors shall, at their expense, ensure that 24 valid signals will be provided continuously 24 hours a day. 25

26 All such signals shall be provided in a manner and at a 27 frequency specified by the <u>Agency</u> Department for incorporation into and augmentation of the remote effluent monitoring system 28 specified in subsection (a) (1) of this Section. Provision 29 30 shall be made for assuring that such system status and power 31 level signals shall be available to the Agency Department 32 during reactor operation as well as throughout accidents and subsequent recovery operations. 33

For nuclear reactors with operating licenses issued by the 34 35 Nuclear Regulatory Commission prior to the effective date of this amendatory Act, such system status and power level signals 36

- 12 - LRB093 18309 BDD 44015 b

HB5043

1 shall be provided to the Department of Nuclear Safety (of which 2 the Agency is the successor) by March 1, 1985. For reactors 3 without such a license on the effective date of this amendatory 4 Act, such signals shall be provided to the Department prior to 5 commencing initial fuel load for such reactor. Nuclear reactors 6 receiving their operating license after the effective date of this amendatory Act, but before July 1, 1985, shall provide 7 8 such system status and power level signals to the Department of Nuclear Safety (of which the Agency is the successor) by 9 September 1, 1985. 10

11 (Source: P.A. 90-601, eff. 6-26-98; 91-239, eff. 1-1-00.)

12 (420 ILCS 5/9) (from Ch. 111 1/2, par. 4309)

13 Sec. 9. Any equipment purchased by the Agency Department to 14 be installed on the premises of a nuclear facility pursuant to 15 the provisions of subsections (1), (2) and (7) of Section 8 of 16 this Act shall be installed by the owner of such nuclear facility in accordance with criteria and standards established 17 18 by the Director of the Agency Department, including criteria 19 for location, supporting utilities, and methods of installation. Such installation shall be at no cost to the 20 Agency Department. The owner of the nuclear facility shall 21 22 also, at its expense, pay for modifications of its facility as 23 requested by the Department to accommodate the Agency's Department's equipment including updated equipment, and to 24 25 accommodate changes in the Agency's Department's criteria and 26 standards.

27 (Source: P.A. 86-901.)

28 (420 ILCS 5/10) (from Ch. 111 1/2, par. 4310)

Sec. 10. The <u>Agency</u> Department may accept and administer according to law, loans, grants, or other funds or gifts from the Federal Government and from other sources, public and private, for carrying out its functions under this Act. (Source: P.A. 83-1342.) HB5043 - 13 - LRB093 18309 BDD 44015 b

1 (420 ILCS 5/6 rep.)

Section 10. The Illinois Nuclear Safety Preparedness Act is
 amended by repealing Section 6.

Section 99. Effective date. This Act takes effect upon
becoming law.