

109TH CONGRESS
2D SESSION

H. R. 5030

To amend the Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 to establish vessel ballast water management requirements, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MARCH 28, 2006

Mrs. MILLER of Michigan introduced the following bill; which was referred to the Committee on Transportation and Infrastructure, and in addition to the Committee on Resources, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To amend the Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 to establish vessel ballast water management requirements, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Prevention of Aquatic
5 Invasive Species Act of 2006”.

6 **SEC. 2. FINDINGS.**

7 Section 1002(a) of the Nonindigenous Aquatic Nui-
8 sance Prevention and Control Act of 1990 (16 U.S.C.

1 4701(a)) is amended by striking “and” after the semicolon
2 at the end of paragraph (14), by striking the period at
3 the end of paragraph (15) and inserting a semicolon, and
4 by adding at the end the following:

5 “(16) the introduction of aquatic invasive spe-
6 cies into the Nation’s waters is one of the most ur-
7 gent issues facing aquatic ecosystems in the United
8 States;

9 “(17) the direct and indirect costs of aquatic
10 invasive species to the economy of the United States
11 have been estimated at billions of dollars per year;

12 “(18) invasive species are thought to have been
13 involved in 70 percent of the last century’s
14 extinctions of native aquatic species;

15 “(19) aquatic invasive species are a significant
16 problem throughout the United States, including
17 Hawaii, Alaska, San Francisco Bay, the Great
18 Lakes, the Southeast, and the Chesapeake Bay;

19 “(20) ballast water from ships is one of the
20 largest pathways for the introduction and spread of
21 aquatic invasive species;

22 “(21) it has been estimated that some 10,000
23 non-indigenous aquatic species travel around the
24 globe each day in the ballast water of cargo ships;

1 “(22) over 2 billion gallons of ballast water are
2 discharged in United States waters each year;

3 “(23) ballast water has been found to transport
4 not only invasive plants and animals but pathogens
5 as well, such as cholera;

6 “(24) aquatic invasive species may also be in-
7 troduced by other vessel conduits, including the hulls
8 of ships;

9 “(25) aquatic invasive species may be trans-
10 ferred from other countries, or from distinct regions
11 in the United States;

12 “(26) current Federal programs are insufficient
13 to effectively address this growing problem;

14 “(27) preventing aquatic invasive species from
15 being introduced is the most cost-effective approach
16 for addressing this issue because, once established,
17 they are costly and sometimes impossible to control;

18 “(28) in 2004, the International Maritime Or-
19 ganization agreed to a Convention, which the United
20 States played an active role in negotiating, to pre-
21 vent, minimize, and ultimately eliminate the transfer
22 of aquatic invasive species through the control and
23 management of ballast water and sediments; and

24 “(29) the International Maritime Organization
25 agreement specifically recognizes that countries can

1 take more stringent measures than those of the Con-
 2 vention with respect to the control and management
 3 of ships' ballast water and sediment.”.

4 **TITLE I—PREVENTION OF IN-**
 5 **TRODUCTION OF AQUATIC**
 6 **INVASIVE SPECIES INTO WA-**
 7 **TERS OF THE UNITED STATES**
 8 **BY VESSELS**

9 **SEC. 101. BALLAST WATER MANAGEMENT.**

10 (a) IN GENERAL.—Section 1101 of the Nonindige-
 11 nous Aquatic Nuisance Prevention and Control Act of
 12 1990 (16 U.S.C. 4711) is amended to read as follows:

13 **“SEC. 1101. PREVENTION OF INTRODUCTION OF AQUATIC**
 14 **INVASIVE SPECIES INTO WATERS OF THE**
 15 **UNITED STATES BY VESSELS.**

16 **“(a) VESSELS TO WHICH THIS SECTION APPLIES.—**

17 **“(1) IN GENERAL.—**Except as provided in para-
 18 graphs (2), (3), and (4), this section applies to a
 19 vessel (including a towed vessel, and any structure
 20 being towed by a vessel) that is designed, con-
 21 structed, or adapted to carry ballast water; and

22 **“(A) is a vessel (or a structure being towed**
 23 **by a vessel) of United States registry or nation-**
 24 **ality, or operated under the authority of the**
 25 **United States, wherever located; or**

“(B) is a foreign vessel that (or a structure being towed by a foreign vessel that)—

“(i) is en route to a United States port or place; or

“(ii) has departed from a United States port or place and is within waters subject to the jurisdiction of the United States.

“(2) PERMANENT BALLAST WATER VESSELS.—

This section does not apply to a vessel that carries all of its permanent ballast water in sealed tanks and is not subject to discharge.

“(3) ARMED FORCES VESSELS.—

“(A) EXEMPTION.—Except as provided in subparagraph (B), this section does not apply to a vessel of the Armed Forces.

“(B) BALLAST WATER MANAGEMENT PROGRAM.—The Secretary of Defense and the Secretary, after consultation with the Administrator and the Under Secretary, shall implement a ballast water management program, including the promulgation of standards for ballast water exchange and treatment and for sediment management, for vessels of the Armed Forces under their respective jurisdictions de-

signed, constructed, or adapted to carry ballast
water that is—

“(i) consistent with the requirements
of this section, including the deadlines; and

“(ii) at least as stringent as the re-
quirements promulgated for such vessels
under section 312 of the Federal Water
Pollution Control Act (33 U.S.C. 1322).

“(4) SPECIAL RULE FOR SMALL RECREATIONAL
VESSELS.—In applying this section to recreational
vessels less than 50 meters in length that have a
maximum ballast water capacity of 8 cubic meters,
the Secretary may promulgate alternative measures
for managing ballast water in a manner that is con-
sistent with the requirements of this section.

“(b) UPTAKE AND DISCHARGE OF BALLAST WATER
OR SEDIMENT.—

“(1) PROHIBITION.—The operator of a vessel to
which this section applies may not conduct the up-
take or discharge of ballast water or sediment except
as provided in this section.

“(2) EXCEPTIONS.—Paragraph (1) does not
apply to the uptake or discharge of ballast water or
sediment in the following circumstances:

1 “(A) The uptake or discharge is solely for
2 the purpose of—

3 “(i) ensuring the safety of the vessel
4 in an emergency situation; or

5 “(ii) saving a life at sea.

6 “(B) The uptake or discharge is accidental
7 and the result of damage to the vessel or its
8 equipment and—

9 “(i) all reasonable precautions to pre-
10 vent or minimize ballast water and sedi-
11 ment discharge have been taken before and
12 after the damage occurs, the discovery of
13 the damage, and the discharge; and

14 “(ii) the owner or officer in charge of
15 the vessel did not willfully or recklessly
16 cause the damage.

17 “(C) The uptake or discharge is solely for
18 the purpose of avoiding or minimizing the dis-
19 charge from the vessel of pollution that would
20 otherwise violate applicable Federal or State
21 law.

22 “(D) The uptake or discharge of ballast
23 water and sediment occurs at the same location
24 where the whole of that ballast water and that
25 sediment originated and there is no mixing with

1 ballast water and sediment from another area
2 that has not been managed in accordance with
3 the requirements of this section.

4 “(c) AQUATIC INVASIVE SPECIES PLAN.—

5 “(1) IN GENERAL.—The operator of a vessel to
6 which this section applies shall conduct all ballast
7 water management operations of that vessel in ac-
8 cordance with an aquatic invasive species plan de-
9 signed to minimize the discharge of aquatic invasive
10 species that—

11 “(A) meets the requirements prescribed by
12 the Secretary by regulation; and

13 “(B) is approved by the Secretary.

14 “(2) APPROVAL CRITERIA.—

15 “(A) IN GENERAL.—The Secretary may
16 not approve an aquatic invasive species plan un-
17 less the Secretary determines that the plan—

18 “(i) describes in detail the actions to
19 be taken to implement the ballast water
20 management requirements established
21 under this section;

22 “(ii) describes in detail the procedures
23 to be used for disposal of sediment at sea
24 and on shore in accordance with the re-
25 quirements of this section;

1 “(iii) describes in detail safety proce-
2 dures for the vessel and crew associated
3 with ballast water management;

4 “(iv) designates the officer on board
5 the vessel in charge of ensuring that the
6 plan is properly implemented;

7 “(v) contains the reporting require-
8 ments for vessels established under this
9 section and a copy of each form necessary
10 to meet those requirements;

11 “(vi) includes documents relevant to
12 aquatic invasive species management
13 equipment and procedures;

14 “(vii) includes the location of access
15 points for sampling ballast water and sedi-
16 ment;

17 “(viii) includes other requirements
18 prescribed by the Secretary, including
19 operational requirements for complying
20 with subsections (f) and (g);

21 “(ix) includes a contingency plan for
22 acting under the safety or stability excep-
23 tion under subsection (f)(4), that includes
24 procedures to reduce the risk of organism
25 transfer via ballast water discharge; and

1 “(x) meets all other requirements pre-
2 scribed by the Secretary.

3 “(B) FOREIGN VESSELS.—The Secretary
4 may approve an aquatic invasive species plan
5 for a foreign vessel (as defined in section
6 2101(12) of title 46, United States Code) on
7 the basis of a certificate of compliance with the
8 criteria described in subparagraph (A) issued
9 by the vessel’s country of registration in accord-
10 ance with regulations promulgated by the Sec-
11 retary.

12 “(3) COPY OF PLAN ON BOARD VESSEL.—The
13 owner or operator of a vessel to which this section
14 applies shall—

15 “(A) maintain a copy of the vessel’s aquat-
16 ic invasive species plan on board at all times;
17 and

18 “(B) keep the plan readily available at all
19 reasonable times for examination by the Sec-
20 retary or a representative of the State in which
21 the port is located.

22 “(4) REGULATIONS.—The Secretary, in con-
23 sultation with the Task Force, shall issue regula-
24 tions prescribing the requirements of this subsection.

25 “(d) VESSEL BALLAST WATER RECORD BOOK.—

1 “(1) IN GENERAL.—The owner or operator of a
2 vessel to which this section applies shall maintain a
3 ballast water record book in English on board the
4 vessel in which—

5 “(A) each operation involving the uptake
6 or discharge of ballast water or sediment dis-
7 charge is fully recorded without delay, in ac-
8 cordance with regulations promulgated by the
9 Secretary;

10 “(B) each such operation is described in
11 detail, including the location and circumstances
12 of, and the reason for, the operation; and

13 “(C) the exact nature and circumstances of
14 any situation under which any operation was
15 conducted under an exception set forth in sub-
16 section (b)(2) or (f)(4) is described.

17 “(2) AVAILABILITY.—The ballast water record
18 book—

19 “(A) shall be kept readily available for ex-
20 amination by the Secretary or a representative
21 of the State at all reasonable times in each port
22 that is entered by the vessel; and

23 “(B) notwithstanding paragraph (1), may
24 be kept on the towing vessel in the case of an
25 unmanned vessel under tow.

1 “(3) RETENTION PERIOD.—The ballast water
2 record book shall be retained—

3 “(A) on board the vessel for a period of 3
4 years after the date on which the last entry in
5 the book is made; and

6 “(B) under the control of the vessel’s
7 owner for an additional period of 3 years.

8 “(4) REGULATIONS.—In the regulations pre-
9 scribed under this section, the Secretary shall re-
10 quire, at a minimum, that—

11 “(A) each entry in the ballast water record
12 book be signed and dated by the officer in
13 charge of the ballast water operation recorded;

14 “(B) each completed page in the ballast
15 water record book be signed and dated by the
16 master of the vessel; and

17 “(C) the owner or operator of the vessel
18 transmit such information to the Secretary re-
19 garding the ballast operations of the vessel as
20 the Secretary may require.

21 “(5) ALTERNATIVE MEANS OF RECORD-
22 KEEPING.—The Secretary shall provide by regula-
23 tion for alternative methods of recordkeeping, in-
24 cluding electronic recordkeeping, to comply with the
25 requirements of this subsection.

1 “(6) NATIONAL BALLAST INFORMATION CLEAR-
2 INGHOUSE.—Records required for a vessel under
3 this subsection shall be transmitted by the owner or
4 operator of the vessel to the National Ballast Infor-
5 mation Clearinghouse established under section
6 1102(f).

7 “(e) BEST MANAGEMENT PRACTICES.—

8 “(1) GUIDELINES FOR BEST MANAGEMENT
9 PRACTICES.—The Secretary shall issue guidance for
10 best management practices for purposes of compli-
11 ance with this section by no later than 18 months
12 after the date of the enactment of this subsection.

13 “(2) CONTENT.—The guidance shall include—

14 “(A) sediment management in transoceanic
15 vessels, including—

16 “(i) saltwater flushing of ballast tanks
17 in accordance with subsection (f)(9) at reg-
18 ular intervals, for vessels that declare no-
19 ballast-on-board or claim to be carrying
20 only unpumpable quantities of ballast
21 water;

22 “(ii) the minimization of ballast water
23 uptake in areas with a greater risk of
24 harmful organisms entering ballast tanks,
25 such as areas with toxic algal blooms or

1 known outbreaks of aquatic invasive spe-
2 cies;

3 “(iii) the avoidance of unnecessary
4 ballast water discharge in a port of ballast
5 water taken up in another port;

6 “(iv) to the maximum extent possible,
7 the collection and proper disposal of debris
8 from cleaning of the vessel’s hull;

9 “(v) the proper use of anti-fouling
10 coating; and

11 “(vi) the minimization of the transfer
12 of aquatic invasive species from other
13 pathways relevant to the vessel or towed
14 structure, including the hull.

15 “(f) BALLAST WATER EXCHANGE REQUIRE-
16 MENTS.—

17 “(1) IN GENERAL.—Until a vessel is required to
18 conduct ballast water treatment in accordance with
19 subsection (g) of this section, the operator of a ves-
20 sel to which this section applies may not discharge
21 ballast water except after—

22 “(A) conducting ballast water exchange, in
23 accordance with paragraph (3) and regulations
24 prescribed by the Secretary, in a manner that
25 results in an efficiency of at least 95 percent

1 volumetric exchange of the ballast water for
2 each ballast water tank;

3 “(B) meeting the requirements of para-
4 graph (9), if the vessel’s condition is such that
5 the vessel is declared to have no ballast on
6 board or is claimed to be carrying only
7 unpumpable quantities of ballast;

8 “(C) using ballast water treatment that
9 meets the performance standards of subsection
10 (g); or

11 “(D) using an environmentally sound alter-
12 native ballast water treatment method if the
13 Secretary determines that the performance of
14 such treatment meets, for the relevant vessel or
15 group vessels, the International Maritime Orga-
16 nization standard for treatment in the Ballast
17 Water Management Convention.

18 “(2) ALTERNATIVE BALLAST WATER TREAT-
19 MENT TECHNOLOGY TO MEET IMO STANDARDS.—

20 “(A) IN GENERAL.—Within 1 year after
21 the date of the enactment of this paragraph,
22 the Secretary, in consultation with the Adminis-
23 trator and the Under Secretary, shall promul-
24 gate regulations to establish an approval proc-
25 ess for alternative ballast water treatment tech-

1 nologies meeting the International Maritime Or-
2 ganization standard for treatment in the Bal-
3 last Water Management Convention.

4 “(B) COMPLIANCE WITH BALLAST WATER
5 EXCHANGE REQUIREMENTS.—A vessel is not in
6 compliance with paragraph (1)(D) unless the
7 Secretary, under the approval process estab-
8 lished under subparagraph (A) of this para-
9 graph, approves the technology employed by the
10 vessel for purposes of complying with paragraph
11 (1)(D).

12 “(C) INCENTIVES FOR USE OF ALTER-
13 NATIVE TREATMENT METHODS.—If a vessel
14 uses an alternative ballast water treatment
15 technology approved under this paragraph, then
16 vessel is in compliance with subsection (g) for
17 the 10-year period beginning on the date that
18 the approved technology is first placed on the
19 vessel.

20 “(D) REVOCATION OF APPROVAL.—The
21 Secretary shall revoke approval for an alter-
22 native technology if—

23 “(i) it is discovered the technology
24 does not meet the International Maritime

1 Organization standard for treatment in the
2 Ballast Water Management Convention; or
3 “(ii) use of the technology causes
4 harm to the environment.

5 “(E) DISCRETIONARY REVOCATION OF AP-
6 PROVAL.—The Secretary may revoke approval
7 for an alternative technology if revocation of
8 approval is appropriate under any circumstance.

9 “(3) EXCHANGE AREAS.—

10 “(A) IN GENERAL.—A vessel is in compli-
11 ance with paragraph (1)(A) only if—

12 “(i) in the case of a vessel en route to
13 a United States port or place from a port
14 or place outside the United States exclu-
15 sive economic zone, the vessel conducts bal-
16 last water exchange—

17 “(I) at least 200 nautical miles
18 from the nearest point of land in the
19 United States; and

20 “(II) in water at least 200 me-
21 ters in depth;

22 “(ii) in the case of a vessel originating
23 from a port or place within the United
24 States exclusive economic zone, or from a
25 port within 200 nautical miles of the

1 United States in Canada, Mexico, or other
2 ports designated by the Secretary for pur-
3 poses of this section, the vessel conducts
4 ballast water exchange—

5 “(I) at least 50 nautical miles
6 from the nearest point of land in the
7 United States, or in an area deter-
8 mined by the Secretary under sub-
9 paragraph (B) of this paragraph or
10 paragraph (6); and

11 “(II) in water at least 200 me-
12 ters in depth.

13 “(B) DESIGNATION OF EXCHANGE
14 AREAS.—

15 “(i) DESIGNATION.—If the Secretary,
16 in consultation with the Administrator and
17 the Under Secretary, determines based on
18 oceanographic information that 50 nautical
19 miles is an inadequate distance from the
20 nearest point of land in the United States
21 to prevent harm to coastal areas from or-
22 ganisms released in ballast water ex-
23 changes, the Secretary shall issue regula-
24 tions that establish designated areas for al-
25 lowable ballast water exchange. The des-

1 ignated areas shall be located not more
2 than 100 nautical miles from the nearest
3 point of land in the United States.

4 “(ii) EXCHANGE DEEMED IN COMPLI-
5 ANCE.—Any ballast water exchange con-
6 ducted in accordance with regulations
7 issued under this subparagraph is deemed
8 to comply with this paragraph.

9 “(4) SAFETY OR STABILITY EXCEPTION.—

10 “(A) IN GENERAL.—Paragraphs (1) and
11 (3) do not apply to the discharge of ballast
12 water by a vessel if the master of a vessel deter-
13 mines that compliance with those paragraphs
14 would threaten the safety or stability of the ves-
15 sel, its crew, or its passengers because of ad-
16 verse weather, equipment failure, or any other
17 relevant condition.

18 “(B) NOTIFICATION REQUIRED.—When-
19 ever the master of a vessel is unable to comply
20 with the requirements of paragraphs (1) and
21 (3) because of a determination made under sub-
22 paragraph (A), the master of the vessel shall—

23 “(i) notify the Secretary as soon as
24 practicable thereafter but no later than 24
25 hours after making that determination;

1 “(ii) ensure that the determination,
2 the reasons for the determination, and the
3 notice are recorded in the vessel’s ballast
4 water record book; and

5 “(iii) conduct one of the following—

6 “(I) undertake ballast water ex-
7 change in an alternative area des-
8 ignated by the Secretary under para-
9 graph (3)(B) or paragraph (6);

10 “(II) undertake discharge of bal-
11 last water in accordance with para-
12 graph (7); or

13 “(III) act in accordance with a
14 contingency plan included in the ves-
15 sel’s aquatic invasive species plan.

16 “(C) REVIEW OF CIRCUMSTANCES.—If the
17 master of a vessel conducts a ballast water dis-
18 charge under this paragraph, the Secretary
19 shall review the circumstances to determine
20 whether the discharge met the requirements of
21 this paragraph. The review under this subpara-
22 graph shall be in addition to any other enforce-
23 ment authority of the Secretary.

24 “(5) DISCHARGE UNDER WAIVER.—

1 “(A) SUBSTANTIAL BUSINESS HARDSHIP
2 WAIVER.—If, because of the short length of a
3 voyage, the operator of a vessel is unable to dis-
4 charge ballast water in accordance with the re-
5 quirements of paragraph (3)(A)(ii) without sub-
6 stantial business hardship, as determined under
7 regulations prescribed by the Secretary, the op-
8 erator may request a waiver from the Secretary
9 to discharge ballast water in accordance with
10 paragraph (7). A request for a waiver under
11 this subparagraph shall be submitted to the
12 Secretary at such time and in such form and
13 manner as the Secretary may require.

14 “(B) SUBSTANTIAL BUSINESS HARD-
15 SHIP.—For purposes of subparagraph (A), the
16 factors taken into account in determining sub-
17 stantial business hardship shall include wheth-
18 er—

19 “(i) compliance with the requirements
20 of paragraph (3)(A)(ii) would require a
21 sufficiently great change in routing or
22 scheduling of service as to compromise the
23 economic or commercial viability of the
24 trade or business in which the vessel is op-
25 erated; or

1 “(ii) it is reasonable to expect that the
2 trade or business or service provided will
3 be continued only if a waiver is granted
4 under subparagraph (A).

5 “(C) AQUATIC INVASIVE SPECIES PLAN.—
6 If the Secretary grants a waiver under this
7 paragraph for a vessel, then the aquatic
8 invasive species plan as required for the vessel
9 under subsection (c) shall be revised to include
10 operations to minimize the risk of introduction
11 of aquatic invasive species.

12 “(6) DESIGNATION OF ALTERNATIVE AREAS.—

13 “(A) REVIEW OF POTENTIAL ALTER-
14 NATIVE AREAS.—Within 1 year after the date
15 of the enactment of this paragraph, the Sec-
16 retary, in consultation with the Under Sec-
17 retary, the Task Force, the Administrator, and
18 a representative of any State that may be af-
19 fected by discharge of ballast water in an area,
20 shall finish a review to assist in the designation
21 of alternative areas that would not be affected
22 by the discharge of ballast water.

23 “(B) REGULATIONS.—After completion of
24 the review in accordance with subparagraph
25 (A), the Secretary may issue regulations desig-

1 nating alternative areas where the discharge of
2 ballast water would not affect the surrounding
3 aquatic ecosystem.

4 “(C) REVIEW AND REVISION.—The Sec-
5 retary shall review and revise the designation of
6 alternative areas under this paragraph as nec-
7 essary.

8 “(D) SPECIAL REVIEW AND REVISION.—
9 Not later than 90 days after the date on which
10 the Task Force makes a request to the Sec-
11 retary for a special review and revision of the
12 areas designated as alternative areas for ballast
13 water discharge, the Secretary, in consultation
14 with the Under Secretary, the Task Force, the
15 Administrator, and a representative of any
16 State that may be affected by the discharge of
17 ballast water in such an area, shall conduct a
18 review to revise the designations if necessary.

19 “(7) PERMISSIBLE DISCHARGE.—

20 “(A) IN GENERAL.—The discharge of bal-
21 last water shall be considered to be carried out
22 in accordance with this paragraph if it is—

23 “(i) in an alternative area designated
24 for that purpose under paragraph (6) by
25 the Secretary; or

1 “(ii) into a reception facility described
2 in subsection (g)(2).

3 “(B) LIMITATION ON VOLUME.—The vol-
4 ume of any ballast water discharged under the
5 provisions of this paragraph may not exceed the
6 volume necessary to ensure the safe operation
7 of the vessel.

8 “(8) PARTIAL COMPLIANCE.—

9 “(A) IN GENERAL.—The operator of a ves-
10 sel that is unable to comply fully with the re-
11 quirements of paragraphs (1) and (3)—

12 “(i) shall nonetheless conduct ballast
13 water exchange to the maximum extent
14 feasible in compliance with those para-
15 graphs;

16 “(ii) may conduct a partial ballast
17 water exchange under this paragraph only
18 to the extent that the ballast water in an
19 individual ballast tank can be completely
20 exchanged in accordance with paragraph
21 (1);

22 “(iii) shall notify the Secretary as
23 soon as practicable thereafter, but no later
24 than 24 hours after making the determina-

tion to conduct ballast water exchange
under this paragraph; and

“(iv) shall ensure that the determina-
tion, the reasons for the determination,
and the notice are recorded in the vessel’s
ballast water record book.

“(B) REVIEW OF CIRCUMSTANCES.—If the
master of a vessel conducts a ballast water dis-
charge under this paragraph, the Secretary
shall review the circumstances to determine
whether the vessel was unable to comply fully
with the requirements of paragraphs (1) and
(3). The review under this subparagraph shall
be in addition to any other enforcement author-
ity of the Secretary.

“(9) SPECIAL REQUIREMENTS FOR NOBOBS.—

“(A) SALTWATER FLUSHING REQUIRE-
MENT.—Beginning 180 days after the date of
the enactment of this paragraph, any vessel op-
erating en route to the United States from out-
side the exclusive economic zone of the United
States that is unable to conduct ballast water
exchange as otherwise required under this sub-
section, other than as provided in paragraph (4)
and paragraph (5), shall conduct saltwater

1 flushing of its empty ballast tanks in an area
2 located at least 200 nautical miles from any
3 point on land in the United States before enter-
4 ing any port in the United States.

5 “(B) SALTWATER FLUSHING DEFINED.—

6 For the purposes of this paragraph, the term
7 ‘saltwater flushing’ means a process that in-
8 cludes—

9 “(i) the addition to each empty ballast
10 tank of as much ocean water that is safe
11 for the vessel and crew;

12 “(ii) the mixing of the flush water
13 with residual water and sediment through
14 the motion of the vessel; and

15 “(iii) the discharge of the mixed
16 water,

17 in areas greater than 200 nautical miles from
18 the nearest point of land in the United States
19 such that the resultant residual water remain-
20 ing in the tank has a salinity greater than 30
21 parts per thousand.

22 “(10) DESIGNATION OF ENCLOSED AQUATIC
23 ECOSYSTEMS.—

24 “(A) IN GENERAL.—The Secretary, in con-
25 sultation with the Under Secretary, the Admin-

1 istrator, the Task Force, and representatives
2 from affected States designated by the Task
3 Force, shall designate, in addition to the Great
4 Lakes, enclosed aquatic ecosystems in which the
5 potential for movement of organisms by natural
6 and anthropogenic means is not significantly al-
7 tered by the movement of vessels, including bal-
8 last water discharge, to which this section
9 apply.

10 “(B) DESIGNATION OF REPRESENTED
11 STATES.—The Task Force shall designate the
12 States that may appoint representatives to as-
13 sist in designating enclosed aquatic ecosystems
14 under subparagraph (A) and the number of
15 representatives that may be appointed for each
16 State. The governor of each designated State
17 shall appoint the representatives for that State.

18 “(11) VESSELS OPERATING ON THE GREAT
19 LAKES.—No vessel shall be operated in the Great
20 Lakes if the master of the vessel has not certified
21 to the Secretary or the Secretary’s designee by not
22 later than the departure of that vessel from the first
23 lock in the St. Lawrence Seaway that the vessel has
24 complied with the requirements under this title, in-
25 cluding the regulations issued under this title.

1 “(12) CERTAIN GEOGRAPHICALLY LIMITED
2 ROUTES.—Notwithstanding paragraph (3)(B) of this
3 subsection, the operator of a vessel is not required
4 to comply with the requirements of paragraph (1)
5 if—

6 “(A) the vessel operates exclusively—

7 “(i) within Lake Superior, Lake
8 Michigan, Lake Huron, and Lake Erie and
9 the connecting channels;

10 “(ii) between or among the main
11 group of the Hawaiian Islands; or

12 “(iii) within any enclosed aquatic eco-
13 system designated under paragraph (10);
14 and

15 “(B) the vessel carries only ballast water
16 and sediment from the area identified under
17 subparagraph (A).

18 “(13) MARINE SANCTUARIES AND OTHER PRO-
19 HIBITED AREAS.—A vessel may not conduct ballast
20 water exchange or discharge unexchanged ballast
21 water under this subsection within a marine sanc-
22 tuary designated under title III of the National Ma-
23 rine Sanctuaries Act (16 U.S.C. 1431 et seq.) or in
24 any other waters designated by the Secretary after

1 consultation with the Under Secretary and the Ad-
2 ministrator.

3 “(14) STUDY AND REQUIREMENT OF ALTER-
4 NATIVES FOR THE GREAT LAKES.—

5 “(A) STUDY.—Not later than January 1,
6 2011, the Secretary, in consultation with the
7 Administer and the Under Secretary, shall con-
8 duct a study to evaluate alternatives to on-
9 board treatment, including but not limited to
10 cargo transfer and shore-based treatment, for
11 vessels entering the Great Lakes from beyond
12 the exclusive economic zone.

13 “(B) REGULATIONS.—The Secretary may
14 promulgate regulations based on the results of
15 the study to require alternatives that would as-
16 sist in preventing the introduction of aquatic
17 invasive species from vessels.

18 “(15) PUBLIC NOTICE OF ACTIONS.—

19 “(A) NOTICE REQUIREMENT.—The Sec-
20 retary shall provide public notice of each of the
21 following:

22 “(i) Exemptions applied under para-
23 graph (4), including the nature and cir-
24 cumstances surrounding the application of
25 the exemption.

1 “(ii) Waivers granted under para-
2 graph (5), including the nature and cir-
3 cumstances surrounding the waiver.

4 “(iii) Instances of partial compliance
5 under paragraph (8), including the nature
6 and circumstances surrounding the in-
7 stance of partial compliance.

8 “(iv) Determinations made by the
9 Secretary after reviews conducted pursuant
10 to paragraphs (4) and (8).

11 “(B) MANNER OF NOTICE.—The Secretary
12 shall publish notice under this paragraph—

13 “(i) in the Federal Register and on
14 relevant web sites maintained by the Sec-
15 retary;

16 “(ii) once every 2 weeks; and

17 “(iii) with respect to all of the matters
18 referred to in subparagraph (A) for the 2-
19 week period preceding publication of the
20 notice.

21 “(C) DATABASE OF NOTICES.—The Sec-
22 retary shall make all notices published under
23 subparagraph (B)(i) available, at all times, to
24 the public on relevant World Wide Web sites
25 maintained by the Secretary.

1 “(16) REGULATIONS DEADLINE.—The Sec-
2 retary shall issue a final rule for regulations re-
3 quired by this subsection within 1 year after the
4 date of enactment of the Prevention of Aquatic
5 Invasive Species Act of 2006.

6 “(g) BALLAST WATER TREATMENT REQUIRE-
7 MENTS.—

8 “(1) PERFORMANCE STANDARDS.—A vessel to
9 which this section applies shall conduct ballast water
10 treatment in accordance with the requirements of
11 this subsection before discharging ballast water so
12 that the ballast water discharged will contain—

13 “(A) less than 1 living organism per 10
14 cubic meters that is 50 or more micrometers in
15 minimum dimension;

16 “(B) less than 1 living organism per 10
17 milliliters that is less than 50 micrometers in
18 minimum dimension and more than 10 microm-
19 eters in minimum dimension;

20 “(C) concentrations of indicator microbes
21 that are less than—

22 “(i) 1 colony-forming unit of
23 toxicogenic *Vibrio cholera* (serotypes O1
24 and O139) per 100 milliliters, or less than

1 1 colony-forming unit of that microbe per
2 gram of wet weight of zoological samples;

3 “(ii) 126 colony-forming units of esch-
4 erichia coli per 100 milliliters; and

5 “(iii) 33 colony-forming units of intes-
6 tinal enterococci per 100 milliliters; and

7 “(D) concentrations of such additional in-
8 dicator microbes as may be specified in regula-
9 tions promulgated by the Secretary, after con-
10 sultation with the Administrator, that are less
11 than the amount specified in those regulations.

12 “(2) RECEPTION FACILITY EXCEPTION.—

13 “(A) IN GENERAL.—Paragraph (1) does
14 not apply to a vessel that discharges ballast
15 water into—

16 “(i) a land-based facility for the re-
17 ception of ballast water that meets stand-
18 ards prescribed by the Administrator; or

19 “(ii) a water-based facility for the re-
20 ception of ballast water that meets stand-
21 ards prescribed by the Secretary.

22 “(B) PROMULGATION OF STANDARDS.—

23 Within 1 year after the date of enactment of
24 the paragraph—

1 “(i) the Administrator shall promul-
2 gate standards for—

3 “(I) the reception of ballast
4 water in land-based facilities; and

5 “(II) the disposal or treatment of
6 ballast water discharged into a land-
7 based or water-based reception facility
8 in a way that does not impair or dam-
9 age the environment, human health,
10 property, or resources; and

11 “(ii) the Secretary shall promulgate
12 standards for the reception of ballast water
13 in water-based facilities.

14 “(3) IMPLEMENTATION SCHEDULE.—Para-
15 graph (1) applies to vessels in accordance with the
16 following schedule:

17 “(A) FIRST PHASE.—Beginning January
18 1, 2009, for vessels constructed on or after that
19 date with a ballast water capacity of less than
20 5,000 cubic meters.

21 “(B) SECOND PHASE.—Beginning January
22 1, 2012, for vessels constructed on or after that
23 date with a ballast water capacity of 5,000
24 cubic meters or more.

1 “(C) THIRD PHASE.—Beginning January
2 1, 2014, for vessels constructed before January
3 1, 2009, with a ballast water capacity of 1,500
4 cubic meters or more but not more than 5,000
5 cubic meters.

6 “(D) FOURTH PHASE.—Beginning Janu-
7 ary 1, 2016, for vessels constructed—

8 “(i) before January 1, 2009, with a
9 ballast water capacity of less than 1,500
10 cubic meters or 5,000 cubic meters or
11 more; or

12 “(ii) on or after January 1, 2009, and
13 before January 1, 2012, with a ballast
14 water capacity of 5,000 cubic meters or
15 more.

16 “(4) TREATMENT SYSTEM APPROVAL RE-
17 QUIRED.—The operator of a vessel may not use a
18 ballast water treatment system to comply with the
19 requirements of this subsection unless the system is
20 approved by the Secretary under paragraph (8) or
21 (10).

22 “(5) FEASIBILITY REVIEW.—

23 “(A) IN GENERAL.—Not less than 2 years
24 before the date on which paragraph (1) applies
25 to vessels under each subparagraph of para-

graph (3), or as that date may be extended under this paragraph, the Secretary, in consultation with the Administrator, the Under Secretary, and the Task Force, shall complete a review to determine whether appropriate technologies are available to achieve the standards set forth in paragraph (1) for the vessels to which they apply under the schedule set forth in paragraph (3). In reviewing the technologies the Secretary shall consider—

“(i) the effectiveness of a technology in achieving the standards;

“(ii) feasibility in terms of compatibility with vessel design and operations;

“(iii) safety considerations;

“(iv) whether a technology is determined to have an adverse impact on the environment under the criteria issued under paragraph (11); and

“(v) cost effectiveness.

“(B) DELAY IN SCHEDULED APPLICATION.—If the Secretary determines, on the basis of the review conducted under subparagraph (A), that compliance with the standards set forth in paragraph (1) in accordance with

1 the schedule set forth in any subparagraph of
2 paragraph (3) is not feasible for any class of
3 vessels, the Secretary, in consultation with the
4 Administrator, the Under Secretary, and the
5 Task Force, shall—

6 “(i) extend the date on which that
7 subparagraph first applies to vessels for a
8 period of not more than 24 months; and

9 “(ii) recommend action to ensure that
10 compliance with the extended date schedule
11 for that subparagraph is achieved.

12 “(C) HIGHER STANDARDS; EARLIER IM-
13 PLEMENTATION.—

14 “(i) STANDARDS.—If the Secretary
15 determines that ballast water treatment
16 technology exists that exceeds the perform-
17 ance standards required under this sub-
18 section, the Secretary, in consultation with
19 the Administrator, the Under Secretary,
20 and the Task Force, shall, for any class of
21 vessels, revise the performance standards
22 to incorporate the higher performance
23 standards.

24 “(ii) IMPLEMENTATION.—If the Sec-
25 retary determines that technology that

1 achieves the applicable performance stand-
2 ards required under this subsection can be
3 implemented earlier than required by this
4 subsection, the Secretary, in consultation
5 with the Administrator, the Under Sec-
6 retary, and the Task Force, shall, for any
7 class of vessels, accelerate the implementa-
8 tion schedule under paragraph (3). If the
9 Secretary accelerates the implementation
10 schedule pursuant to this clause, the Sec-
11 retary shall provide notice at least 24
12 months before such accelerated implemen-
13 tation goes into effect.

14 “(iii) DETERMINATIONS NOT MUTU-
15 ALLY EXCLUSIVE.—The Secretary shall
16 take action under both clause (i) and
17 clause (ii) if the Secretary makes deter-
18 minations under both clauses.

19 “(D) INTERIM STANDARDS.—If the Sec-
20 retary determines that appropriate technologies
21 are not available to meet the standards set
22 forth in paragraph (1), then the International
23 Maritime Organization standard for treatment
24 in the Ballast Water Management Convention
25 shall apply instead of the standards set forth in

1 paragraph (1), in accordance with the imple-
2 mentation schedule established under paragraph
3 (3), until the standards set forth in paragraph
4 (1) take effect pursuant to subparagraph (B).

5 “(6) REVIEW OF BALLAST WATER TREATMENT
6 STANDARDS.—At the end of the 3-year period begin-
7 ning on the date of the enactment of this paragraph
8 and every 3 years thereafter, the Secretary, in con-
9 sultation with the Administrator and based on rec-
10 ommendations by the Task Force and information
11 collected and analyzed under this title, and in ac-
12 cordance with criteria developed by the Task Force
13 under paragraph (15), shall—

14 “(A) assess the compliance by vessels with
15 regulations promulgated under this section;

16 “(B) assess the effectiveness of regulations
17 promulgated under this section in reducing the
18 introduction and spread of aquatic invasive spe-
19 cies by vessels;

20 “(C) assess the approval process under
21 paragraph (8); and

22 “(D) as necessary, revise regulations pro-
23 mulgated under this section and promulgate
24 new regulations.

1 “(7) SPECIAL REVIEW AND REVISION.—Not
2 later than 90 days after the date on which the Task
3 Force makes a request to the Secretary for a special
4 review and revision of the regulations promulgated
5 under this section, the Secretary, in consultation
6 with the Administrator, shall conduct a special re-
7 view in accordance with paragraph (6), including the
8 revision of regulations or the promulgation of new
9 regulations as necessary.

10 “(8) APPROVAL OF BALLAST WATER TREAT-
11 MENT SYSTEMS.—

12 “(A) REGULATIONS.—The Secretary, in
13 consultation with the Administrator, the Under
14 Secretary, and the Task Force and by not later
15 than 1 year after the date of the enactment of
16 this paragraph, shall issue regulations estab-
17 lishing an approval process for ballast water
18 treatment systems. The regulations shall in-
19 clude standards for the certification of treat-
20 ment or practices and an ongoing enforcement
21 of the use of treatments and practices.

22 “(B) QUALIFIED TYPE-APPROVAL PROC-
23 ESS.—The approval of ballast water treatment
24 systems shall be based on a qualified type-ap-
25 proval process that is capable of estimating the

1 extent to which treated ballast water discharge
2 is to comply with the standards of paragraph
3 (1).

4 “(C) CONSIDERATION OF RESTRICTIONS.—

5 The approval of ballast water treatment sys-
6 tems shall take into account restrictions relat-
7 ing to—

8 “(i) biological, chemical, or physical
9 conditions of water taken into ballast
10 tanks; and

11 “(ii) conditions encountered during a
12 ship’s voyage.

13 “(D) ENVIRONMENTAL SOUNDNESS AND
14 SAFETY.—The approval process for ballast
15 water treatment systems shall be capable of de-
16 termining the extent to which a ballast water
17 treatment method is—

18 “(i) environmentally sound based on
19 criteria promulgated by the Administrator
20 pursuant to paragraph (11); and

21 “(ii) safe for vessel and crew.

22 “(E) ESTIMATION OF USEFUL LIFE.—The
23 approval process for ballast water treatment
24 systems may be used to estimate the useful life
25 of the ballast water treatment system, as deter-

1 mined on the basis of voyage patterns and nor-
2 mal use conditions.

3 “(F) SHIP-BOARDING TESTING.—The ap-
4 proval process of ballast water treatment sys-
5 tems shall include a ship-boarding testing com-
6 ponent, and may include a shore-based testing
7 component.

8 “(G) MONITORING.—The approval process
9 for ballast water treatment systems shall pro-
10 vide for appropriate monitoring.

11 “(H) APPLICATION FORM AND INFORMA-
12 TION.—The Secretary shall approve an applica-
13 tion for certification of ballast water treatment
14 system only if the application is in such form
15 and contains such information as the Secretary
16 requires.

17 “(9) MONITORING AND EFFECTIVENESS; REV-
18 OCATION OF CERTIFICATION.—Based on the results
19 of appropriate monitoring of ballast water treatment
20 systems, the Secretary shall revoke the certification
21 of a ballast water treatment system if it is found
22 that ballast water treated with the system does not
23 meet the standards of paragraph (1) or paragraph
24 (11).

1 “(10) APPROVAL OF EXPERIMENTAL BALLAST
2 WATER TREATMENT TECHNOLOGIES.—

3 “(A) IN GENERAL.—If a vessel participates
4 in a program approved by the Secretary to test
5 and evaluate promising ballast water treatment
6 technologies that are likely to result in treat-
7 ment technologies achieving a standard that is
8 the same as or more stringent than the stand-
9 ard that applies under paragraph (1) before the
10 first date on which paragraph (1) applies to
11 that vessel, the Secretary shall certify a vessel
12 to allow the use of that technology and such
13 vessel shall be deemed to be in compliance with
14 the requirements of paragraph (1) during the
15 period of certification.

16 “(B) GUIDELINES BY SECRETARY.—The
17 Secretary, in consultation with the Adminis-
18 trator, the Under Secretary, and the Task
19 Force, within 1 year after the date of the enact-
20 ment of this paragraph shall issue guidelines
21 for the approval of experimental ballast water
22 treatment technologies that are likely to meet
23 the standards of paragraph (1).

24 “(C) GUIDELINES BY ADMINISTRATOR.—
25 The Administrator, in consultation with the

1 Secretary, the Under Secretary, and the Task
2 Force, within 1 year after the date of the enact-
3 ment of this paragraph shall issue guidelines
4 for the approval of ballast water treatment
5 technologies under this paragraph pursuant to
6 the environmental soundness criteria under
7 paragraph (11).

8 “(D) CRITERIA BY ADMINISTRATOR.—The
9 Administrator shall include in criteria promul-
10 gated under paragraph (11) specific criteria to
11 grant environmental soundness exceptions such
12 that, in an emergency situation, to achieve re-
13 ductions in significant and acute risk of trans-
14 fers of invasive species by vessels, the Secretary
15 and the Administrator may jointly determine to
16 make an exception to criteria of paragraph
17 (11). To be eligible for an exception, approval
18 for an experimental technology under this para-
19 graph shall be subject to all other provisions of
20 this paragraph.

21 “(E) CERTIFICATION BY ADMINIS-
22 TRATOR.—Not later than 90 days after receiv-
23 ing an application, the Administrator shall re-
24 view the application for compliance with envi-
25 ronmental soundness criteria under paragraph

1 (11) and certify the ballast water treatment
2 system covered by the application as meeting
3 environmental requirements if it indeed meets
4 those criteria. The Administrator’s determina-
5 tion should be based on independent and peer-
6 reviewed information.

7 “(F) APPROVAL OR DISAPPROVAL BY SEC-
8 RETARY.—Not later than 180 days after receiv-
9 ing an application, the Secretary shall—

10 “(i) determine if the ballast water
11 treatment system covered by the applica-
12 tion meets the requirements of this sub-
13 section;

14 “(ii) approve or disapprove the appli-
15 cation; and

16 “(iii) provide the applicant written no-
17 tice of the approval or disapproval.

18 “(G) APPEAL PROCESS.—As part of the
19 guidelines issued under this paragraph, the Sec-
20 retary shall establish a process for applicants
21 receiving a notice of disapproval to appeal the
22 Secretary’s decision.

23 “(H) CERTIFICATION BY ADMINISTRATOR
24 REQUIRED.—The Secretary shall approve and
25 certify a ballast water treatment system only if

1 the Administrator certifies the system as meet-
2 ing the criteria of paragraph (11).

3 “(I) CONDITIONS OF USE OF APPROVED
4 SYSTEMS.—As determined by the Secretary in
5 consultation with the Administrator and the
6 Under Secretary, approved ballast water treat-
7 ment systems shall be used only for voyage pat-
8 terns, durations, or any other characteristic
9 that may affect the effectiveness or environ-
10 mental soundness of the ballast water treatment
11 system covered by the application.

12 “(J) DETERMINATION OF VESSELS TO USE
13 APPROVED SYSTEM.—Approved ballast water
14 treatment systems may be applicable to a spe-
15 cific vessel or group of vessels as determined by
16 the Secretary.

17 “(K) VARIETY AND TYPE OF PARTICI-
18 PATING VESSELS.—The Secretary shall seek to
19 ensure that a wide variety of vessel types and
20 voyages are included in the program, but may
21 not grant a delay under this paragraph to more
22 than 5 percent of the vessels to which this sub-
23 section applies.

24 “(L) EXEMPTIONS.—A vessel operating en
25 route to the United States from outside the ex-

1 exclusive economic zone of the United States that
2 declares to have no ballast on board or is
3 claimed to be carrying only umpumpable quan-
4 tities of ballast are exempt from the require-
5 ments of subparagraph (K).

6 “(M) TERM OF CERTIFICATION.—The cer-
7 tification of an approved ballast water treat-
8 ment system shall be valid only for the lesser of
9 the following:

10 “(i) The expected life of the ballast
11 water treatment system.

12 “(ii) 10 years.

13 “(iii) Until such time as the Secretary
14 or Administrator (as appropriate) deter-
15 mines that, based on available information,
16 the ballast water treatment system fails to
17 meet the requirements of this subsection.

18 “(N) TERMINATION OF CERTIFICATION.—
19 The Secretary may terminate the certification
20 of a vessel under this subsection if participation
21 of the vessel in the program is terminated with-
22 out the consent of the Secretary.

23 “(O) SAMPLING AND REPORTING INFOR-
24 MATION.—Upon receiving approval for a treat-
25 ment under this paragraph, the owner or oper-

1 ator of a vessel shall collect and report such in-
2 formation requested by the Secretary regarding
3 the operational and biological effectiveness of
4 the treatment through sampling of the intake
5 and discharge ballast.

6 “(P) ANNUAL EVALUATION; REVOCATION
7 OF CERTIFICATION.—The Secretary, in con-
8 sultation with the Administrator and the Under
9 Secretary, shall establish an annual evaluation
10 process to determine if approved experimental
11 technology is effective or causing harm to the
12 environment. If the technology is not effective
13 or causes harm to the environment, then the
14 Secretary shall revoke the certification.

15 “(Q) FEES.—The Secretary, with concur-
16 rence of the Administrator, may establish fees
17 for processing the application.

18 “(11) ENVIRONMENTAL SOUNDNESS CRITERIA
19 FOR BALLAST WATER TREATMENT SYSTEMS.—

20 “(A) IN GENERAL.—The Administrator
21 shall include in criteria promulgated under sec-
22 tion 1202(k)(1) specific criteria—

23 “(i) to ensure environmental sound-
24 ness of ballast water treatment systems;
25 and

1 “(ii) to grant environmental sound-
2 ness exceptions under subparagraph (B).

3 “(B) EXCEPTIONS.—In reviewing applica-
4 tions under paragraph (10) in an emergency
5 situation to achieve reductions in significant
6 and acute risk of transfers of invasive species
7 by vessels, the Secretary and the Administrator
8 may jointly determine to make an exception to
9 criteria described in subparagraph (A)(i).

10 “(12) INCENTIVES FOR USE OF BALLAST
11 WATER TREATMENT SYSTEMS.—The Secretary, the
12 Secretary of Transportation, and the Administrator
13 shall assist owners or operators of vessels that seek
14 to obtain experimental approval for installation of
15 ballast water treatment systems, including through
16 providing guidance on—

17 “(A) a sampling protocol and test program
18 for cost effective treatment evaluation;

19 “(B) sources of sampling equipment and
20 field biological expertise; and

21 “(C) examples of shipboard evaluation
22 studies.

23 “(13) SELECTION OF TECHNOLOGIES AND
24 PRACTICES.—In selecting technologies and practices
25 for shipboard demonstration under section 1104(b),

1 the Secretary of the Interior and the Secretary of
2 Commerce shall give priority consideration to tech-
3 nologies and practices that have received or are in
4 the process of receiving certification under para-
5 graph (10).

6 “(14) ANNUAL SUMMARIES ON PERFORMANCE
7 OF BALLAST WATER TREATMENT TECHNOLOGIES.—

8 “(A) ANNUAL SUMMARIES.—The Secretary
9 shall annually summarize, and make available
10 to interested persons, all available information
11 on the performance of technologies proposed for
12 ballast water treatment to facilitate the applica-
13 tion process for experimental approval for bal-
14 last water treatment.

15 “(B) PUBLICATION OF OTHER INFORMA-
16 TION.—The Administrator, in consultation with
17 the Invasive Species Council, shall publish not
18 later than 1 year after the date of the enact-
19 ment of this paragraph and update annually—

20 “(i) a list of environmentally sound
21 treatment methods that meet the require-
22 ments of this section;

23 “(ii) accompanying research that sup-
24 ports the environmental soundness of each
25 approved treatment method; and

1 “(iii) explicit guidelines under which
2 each treatment method can be used in an
3 environmentally sound manner.

4 “(C) REPORTS.—The Invasive Species
5 Council and the Task Force shall include the
6 published information in the reports submitted
7 under section 1201(f)(2)(B).

8 “(15) CRITERIA FOR ADEQUACY AND EFFEC-
9 TIVENESS.—Not later than 1 year after the date of
10 the enactment of this paragraph and every 3 years
11 thereafter, the Task Force shall submit to the Sec-
12 retary criteria for determining the adequacy and ef-
13 fectiveness of all regulations promulgated under this
14 section.

15 “(16) HIGH-RISK VESSELS.—

16 “(A) VESSEL LIST.—Within 1 year after
17 the date of enactment of the Prevention of
18 Aquatic Invasive Species Act of 2006, the Sec-
19 retary shall initiate a list, in consultation with
20 States, of vessels that, due to factors such as
21 the origin of their voyages, the frequency of
22 their voyages, the volume of ballast water they
23 carry, the biological makeup of the ballast
24 water, and the fact that they frequently dis-
25 charge unexchanged or improperly exchanged

1 ballast water pursuant to an exception under
2 subsection (f), pose a relatively high risk of in-
3 troducing aquatic invasive species into the wa-
4 ters of those States.

5 “(B) INCENTIVE PROGRAMS.—The Sec-
6 retary shall—

7 “(i) give priority to vessels on the list
8 for participation in pilot programs de-
9 scribed in paragraph (10); and

10 “(ii) encourage Federal and State
11 technology development programs or other
12 incentives (whether positive or negative) to
13 give priority to such vessels in order to en-
14 courage the adoption of ballast water
15 treatment technology by those vessels con-
16 sistent with the requirements of this sec-
17 tion on an expedited basis.

18 “(17) QUALIFIED EXEMPTIONS.—

19 “(A) IN GENERAL.—A vessel operating en-
20 tirely on the Great Lakes or in enclosed aquatic
21 ecosystems designated under subsection (f)(10)
22 shall be granted an exemption from the require-
23 ments of this subsection if the vessel meets re-
24 quirements prescribed by the Secretary.

1 “(B) GUIDELINES ESTABLISHING PROC-
2 ESS.—The Secretary, in consultation with the
3 Administrator and the Task Force, shall issue
4 guidelines establishing a process for certifying
5 vessels as exempt under this paragraph. The
6 guidelines shall ensure that ships receiving an
7 exemption carry only ballast water and sedi-
8 ment from the enclosed aquatic ecosystem in
9 which the vessel operates.

10 “(C) LIMITATION ON EXEMPTIONS.—The
11 Secretary shall not issue an exemption under
12 this paragraph if the exemption would increase
13 the risk of the invasion and spread of aquatic
14 invasive species relative to a situation where an
15 applicable vessel complies with the requirements
16 of this subsection.

17 “(D) REVIEW OF EXEMPTIONS.—

18 “(i) REQUIRED REVIEW.—The Sec-
19 retary shall review any exemption granted
20 under this paragraph at least as often as
21 every 2 years, and shall approve or revoke
22 the exemption based on the review and the
23 requirements of this paragraph.

1 “(ii) DISCRETIONARY REVIEW.—The
 2 Secretary may review an exemption at any
 3 time.

4 “(iii) REVIEW UPON REQUEST.—The
 5 Administrator or the Task Force may re-
 6 quest a review of an exemption at any
 7 time. Upon receipt of such a request, the
 8 Secretary shall complete a review within 14
 9 days.

10 “(h) WARNINGS CONCERNING BALLAST WATER UP-
 11 TAKE.—

12 “(1) IN GENERAL.—The Secretary shall notify
 13 vessel owners and operators of any area in waters
 14 subject to the jurisdiction of the United States in
 15 which vessels should not uptake ballast water due to
 16 known conditions.

17 “(2) CONTENTS.—The notice shall include—

18 “(A) the coordinates of the area; and

19 “(B) if possible, the location of alternative
 20 areas for the uptake of ballast water.

21 “(i) SEDIMENT MANAGEMENT.—

22 “(1) IN GENERAL.—The operator of a vessel to
 23 which this section applies may not remove or dispose
 24 of sediment from spaces designed to carry ballast
 25 water except—

1 “(A) in accordance with this subsection
2 and the aquatic invasive species plan required
3 under subsection (c); and

4 “(B) more than 200 nautical miles from
5 the nearest point of land in the United States
6 or into a reception facility that meets the re-
7 quirements of paragraph (3).

8 “(2) DESIGN REQUIREMENTS.—

9 “(A) NEW VESSELS.—After December 31,
10 2008, it shall be unlawful to construct a vessel
11 in the United States to which this section ap-
12 plies unless that vessel is designed and con-
13 structed, in accordance with regulations pre-
14 scribed under subparagraph (C), in a manner
15 that—

16 “(i) minimizes the uptake and entrap-
17 ment of sediment;

18 “(ii) facilitates removal of sediment;
19 and

20 “(iii) provides for safe access for sedi-
21 ment removal and sampling.

22 “(B) EXISTING VESSELS.—Every vessel to
23 which this section applies that was constructed
24 before January 1, 2009, shall be modified be-
25 fore January 1, 2009, to the extent practicable,

1 to achieve the objectives described in clauses (i),
2 (ii), and (iii) of subparagraph (A).

3 “(C) REGULATIONS.—The Secretary shall
4 promulgate regulations establishing design and
5 construction standards to achieve the objectives
6 of subparagraph (A) and providing guidance for
7 modifications and practices under subparagraph
8 (B). The Secretary shall incorporate the stand-
9 ards and guidance in the regulations governing
10 the aquatic invasive species plan.

11 “(3) SEDIMENT RECEPTION FACILITIES.—

12 “(A) STANDARDS.—The Administrator
13 shall promulgate regulations governing facilities
14 for the reception of vessel sediment from spaces
15 designed to carry ballast water that provide for
16 the disposal of such sediment in a way that
17 does not impair or damage the environment,
18 human health, or property or resources of the
19 disposal area. The Administrator may not pre-
20 scribe standards under this subparagraph that
21 are less stringent than any otherwise applicable
22 Federal, State, or local law requirements.

23 “(B) DESIGNATION.—The Administrator
24 shall designate facilities for the reception of ves-
25 sel sediment that meet the requirements of the

1 regulations promulgated under subparagraph
2 (A) at ports and terminals where ballast tanks
3 are cleaned or repaired.

4 “(j) EXAMINATIONS AND CERTIFICATIONS.—

5 “(1) INITIAL EXAMINATION.—

6 “(A) IN GENERAL.—The Secretary shall
7 examine vessels to which this section applies to
8 determine whether—

9 “(i) there is an aquatic invasive spe-
10 cies plan for the vessel that meets the re-
11 quirements of this section; and

12 “(ii) the equipment used for ballast
13 water and sediment management in ac-
14 cordance with the requirements of this sec-
15 tion and the regulations promulgated here-
16 under is installed and functioning properly.

17 “(B) NEW VESSELS.—For vessels con-
18 structed on or after January 1, 2009, the Sec-
19 retary shall conduct the examination required
20 by subparagraph (A) before the vessel is placed
21 in service.

22 “(C) EXISTING VESSELS.—For vessels con-
23 structed before January 1, 2009, the Secretary
24 shall—

1 “(i) conduct the examination required
2 by subparagraph (A) before the date on
3 which subsection (g)(1) applies to the ves-
4 sel according to the schedule in subsection
5 (g)(3); and

6 “(ii) inspect the vessel’s ballast water
7 record book required by subsection (d).

8 “(D) FOREIGN VESSELS.—In the case of a
9 foreign vessel (as defined in section 2101(12) of
10 title 46, United States Code), the Secretary
11 shall perform the examination required by this
12 paragraph the first time the vessel enters a
13 United States port.

14 “(2) SUBSEQUENT EXAMINATIONS.—The Sec-
15 retary shall examine vessels no less frequently than
16 once each year to ensure vessel compliance with the
17 requirements of this section.

18 “(3) INSPECTION AUTHORITY.—The Secretary
19 may carry out such inspections of any vessel to
20 which this section applies at any time, including the
21 taking of ballast water samples, to ensure the ves-
22 sel’s compliance with this Act.

23 “(4) REQUIRED CERTIFICATE.—If, on the basis
24 of an initial examination under paragraph (1) the
25 Secretary finds that a vessel complies with the re-

1 requirements of this section and the regulations pro-
2 mulgated hereunder, the Secretary shall issue a cer-
3 tificate under this paragraph as evidence of such
4 compliance. The certificate shall be valid for a period
5 of not more than 5 years, as specified by the Sec-
6 retary. The certificate or a true copy shall be main-
7 tained on board the vessel.

8 “(5) NOTIFICATION OF VIOLATIONS.—If the
9 Secretary finds, on the basis of an examination
10 under paragraph (1) or paragraph (2), sampling
11 under paragraph (3), or any other information, that
12 a vessel is being operated in violation of the require-
13 ments of this section and the regulations promul-
14 gated hereunder, the Secretary shall—

15 “(A) notify—

16 “(i) the master of the vessel; and

17 “(ii) the captain of the port at the
18 vessel’s next port of call; and

19 “(B) take such other action as may be ap-
20 propriate.

21 “(6) COMPLIANCE MONITORING.—The Sec-
22 retary shall by regulation establish sampling proce-
23 dures to monitor compliance with the requirements
24 of this section.

1 “(7) EDUCATION AND TECHNICAL ASSISTANCE
2 PROGRAMS.—The Secretary may carry out education
3 and technical assistance programs and other meas-
4 ures to promote compliance with the requirements
5 issued under this section.

6 “(k) DETENTION OF VESSELS.—

7 “(1) IN GENERAL.—The Secretary, by notice to
8 the owner, charterer, managing operator, agent,
9 master, or other individual in charge of a vessel,
10 may detain that vessel if the Secretary has reason-
11 able cause to believe that—

12 “(A) the vessel is a vessel to which this
13 section applies; and

14 “(B) the vessel does not comply with the
15 requirements of this section or of the regula-
16 tions issued hereunder or is being operated in
17 violation of such requirements.

18 “(2) CLEARANCE.—

19 “(A) IN GENERAL.—A vessel detained
20 under paragraph (1) may obtain clearance
21 under section 4197 of the Revised Statutes (46
22 U.S.C. App. 91) only if the violation for which
23 it was detained has been corrected.

24 “(B) WITHDRAWAL.—If the Secretary
25 finds that a vessel detained under paragraph

1 (1) has received a clearance under section 4197
2 of the Revised Statutes (46 U.S.C. App. 91) be-
3 fore it was detained under paragraph (1), the
4 Secretary shall withdraw, withhold, or revoke
5 the clearance.

6 “(1) SANCTIONS.—

7 “(1) CIVIL PENALTIES.—Any person who vio-
8 lates a regulation promulgated under this section
9 shall be liable for a civil penalty in an amount not
10 to exceed \$50,000. Each day of a continuing viola-
11 tion constitutes a separate violation. A vessel oper-
12 ated in violation of the regulations is liable in rem
13 for any civil penalty assessed under this subsection
14 for that violation.

15 “(2) CRIMINAL PENALTIES.—Any person who
16 knowingly violates the regulations promulgated
17 under this section is guilty of a class C felony.

18 “(3) REVOCATION OF CLEARANCE.—Except as
19 provided in subsection (k)(2), upon request of the
20 Secretary, the Secretary of the Treasury shall with-
21 hold or revoke the clearance of a vessel required by
22 section 4197 of the Revised Statutes (46 U.S.C.
23 App. 91), if the owner or operator of that vessel is
24 in violation of the regulations issued under this sec-
25 tion.

1 “(4) EXCEPTION TO SANCTIONS.—This sub-
2 section does not apply to a failure to exchange bal-
3 last water if—

4 “(A) the master of a vessel discharges bal-
5 last water in accordance with subsection (f)(4);
6 and

7 “(B) the Secretary determines that the re-
8 quirements of subsection (f)(4) are met.

9 “(m) ENFORCEMENT.—

10 “(1) ADMINISTRATIVE ACTIONS.—If the Sec-
11 retary finds, after notice and an opportunity for a
12 hearing, that a person has violated any provision of
13 this section or any regulation promulgated here-
14 under, the Secretary may assess a civil penalty for
15 that violation.

16 “(2) CIVIL ACTIONS.—At the request of the
17 Secretary, the Attorney General may bring a civil
18 action in an appropriate district court of the United
19 States to enforce this section, or any regulation pro-
20 mulgated hereunder. Any court before which such an
21 action is brought may award appropriate relief, in-
22 cluding temporary or permanent injunctions and
23 civil penalties.

24 “(n) COORDINATION WITH OTHER AGENCIES.—The
25 Secretary is encouraged to use, with consent of the head

1 of the Federal or State agency concerned, the expertise,
2 facilities, and personnel of appropriate Federal and State
3 agencies and organizations that have routine contact with
4 vessels, as determined by the Secretary.

5 “(o) CONSULTATION WITH CANADA, MEXICO, AND
6 OTHER FOREIGN GOVERNMENTS.—In developing the
7 guidelines issued and regulations promulgated under this
8 section, the Secretary is encouraged to consult with the
9 Government of Canada, the Government of Mexico, and
10 any other government of a foreign country that the Sec-
11 retary, after consultation with the Task Force, determines
12 to be necessary to develop and implement an effective
13 international program for preventing the unintentional in-
14 troduction and spread of aquatic invasive species.

15 “(p) INTERNATIONAL COOPERATION.—The Sec-
16 retary, in cooperation with the Under Secretary, the Sec-
17 retary of State, the Administrator, the heads of other rel-
18 evant Federal agencies, the International Maritime Orga-
19 nization of the United Nations, and the Commission on
20 Environmental Cooperation established pursuant to the
21 North American Free Trade Agreement, is encouraged to
22 enter into negotiations with the governments of foreign
23 countries to develop and implement an effective inter-
24 national program for preventing the unintentional intro-
25 duction and spread of aquatic invasive species, particularly

1 by seeking bilateral and multilateral agreements with Can-
2 ada (through the International Joint Commission), Mex-
3 ico, and other nations in the Wider Caribbean (as defined
4 in the Convention for the Protection and Development of
5 the Marine Environment of the Wider Caribbean,
6 Cartagena Convention).

7 “(q) NON-DISCRIMINATION.—The Secretary shall en-
8 sure that vessels registered outside of the United States
9 do not receive more favorable treatment than vessels reg-
10 istered in the United States when the Secretary performs
11 studies, reviews compliance, determines effectiveness, es-
12 tablishes requirements, or performs any other responsibil-
13 ities under this Act.

14 “(r) SUPPORT FOR FEDERAL BALLAST WATER DEM-
15 ONSTRATION PROJECT.—In addition to amounts other-
16 wise available to the Maritime Administration, the Na-
17 tional Oceanographic and Atmospheric Administration,
18 and the United States Fish and Wildlife Service for the
19 Federal Ballast Water Demonstration Project, the Sec-
20 retary shall provide support for the conduct and expansion
21 of the project, including grants for research and develop-
22 ment of innovative technologies for the management,
23 treatment, and disposal of ballast water and sediment, for
24 ballast water exchange, and for other vessel vectors of
25 aquatic invasive species such as hull-fouling. There are au-

1 thorized to be appropriated to the Secretary such sums
2 as may be necessary for each of fiscal years 2007 through
3 2011 to carry out this subsection.

4 “(s) CONSULTATION WITH TASK FORCE.—The Sec-
5 retary shall consult with the Task Force in carrying out
6 this section.

7 “(t) PREEMPTION.—

8 “(1) IN GENERAL.—Except as provided in para-
9 graph (2) but notwithstanding any other provision of
10 law, the provisions of subsections (f) and (g) super-
11 sede any provision of State or local law that is in-
12 consistent with the requirements of those sub-
13 sections or that conflicts with the requirements of
14 those subsections. The imposition, by State or local
15 law, of greater penalties or fees for acts or omissions
16 that are violations of such law and also violations of
17 this Act shall not be considered to be inconsistent
18 with, or to conflict with, the requirements of those
19 subsections. Nothing in the preceding sentence limits
20 the scope of State or local law provisions that are
21 not to be considered to be inconsistent with, or to
22 conflict with, the requirements of those subsections

23 “(2) RECEPTION FACILITIES.—The standards
24 prescribed by the Administrator or the Secretary
25 under subsection (g)(2) do not supersede any more

1 stringent standard under any otherwise applicable
2 Federal, State, or local law.

3 “(3) APPLICATION WITH OTHER STATUTES.—

4 This section provides the Federal authority for ad-
5 dressing aquatic invasive species in ballast water or
6 sediment. If there is a conflict between any other-
7 wise applicable provision of Federal law and the re-
8 quirements of this section, the provisions of this sec-
9 tion shall control to the extent that such require-
10 ments relate to vessels with respect to aquatic
11 invasive species in ballast water or sediment.

12 “(u) REGULATIONS.—

13 “(1) IN GENERAL.—The Secretary, after con-
14 sultation with the Administrator, shall issue such
15 regulations as may be necessary initially to carry out
16 this section within 1 year after the date of enact-
17 ment of the Prevention of Aquatic Invasive Species
18 Act of 2006.

19 “(2) JUDICIAL REVIEW.—

20 “(A) 120-DAY RULE.—An interested per-
21 son may bring an action for review of a final
22 regulation promulgated under this section by
23 the Secretary of the department in which the
24 Coast Guard is operating, or by the Adminis-
25 trator, in the United States Circuit Court of

Appeals for the Federal judicial district in which that person resides or transacts business which is directly affected by that regulation only if that action is filed within—

“(i) 120 days after the date on which the regulation is promulgated; or

“(ii) more than 120 days after that date if the action is based on grounds that arose after that 120-day period.

“(B) REVIEW IN ENFORCEMENT PROCEEDINGS.—A regulation for which review could have been obtained under subparagraph (A) of this paragraph is not subject to judicial review in any civil or criminal proceeding for enforcement.”.

(b) DEFINITIONS.—Section 1003 of the Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 (16 U.S.C. 4702) is amended—

(1) by redesignating—

(A) paragraph (1) and (2) as paragraphs (2) and (3), respectively;

(B) paragraph (3) as paragraph (5);

(C) paragraphs (4), (5), (6), (7), (8), (9), and (10) as paragraphs (9), (10), (11), (12), (13), (14), and (15), respectively;

1 (D) paragraphs (11) and (12) as para-
2 graphs (18) and (19), respectively;

3 (E) paragraphs (13), (14), and (15) as
4 paragraphs (21), (22), and (23), respectively;

5 (F) paragraph (16) as paragraph (27); and

6 (G) paragraph (17) as paragraph (24),
7 and moving it so as to appear immediately after
8 paragraph (23), as redesignated;

9 (2) by striking—

10 (A) “nuisance” in paragraph (2), as redes-
11 ignated, and inserting “invasive”;

12 (B) “nuisance” in paragraph (11), as re-
13 designated, and inserting “invasive”;

14 (C) “Nuisance” in paragraph (21), as re-
15 designated, and inserting “Invasive”; and

16 (D) “Canandian” in paragraph (12), as re-
17 designated, and inserting “Canadian”;

18 (3) by inserting before paragraph (2) the fol-
19 lowing:

20 “(1) ‘Administrator’ means the Administrator
21 of the Environmental Protection Agency;”;

22 (4) by striking paragraph (5), as redesignated,
23 and inserting after paragraph (3), as redesignated,
24 the following:

1 “(4) ‘ballast tank’ means any tank, space, or
2 compartment on a vessel that is used for carrying,
3 loading, or discharging ballast water, including any
4 multi-use tank, space, or compartment designed to
5 allow carriage of ballast water;

6 “(5) ‘ballast water’—

7 “(A) except as provided in subparagraph
8 (B), means—

9 “(i) water taken on board a vessel to
10 control trim, list, draught, stability, or
11 stresses of the vessel, including matter sus-
12 pended in such water; and

13 “(ii) any water placed into a ballast
14 tank during cleaning, maintenance, or
15 other operations; and

16 “(B) does not include water that—

17 “(i) at the time of discharge, does not
18 contain aquatic invasive species; and

19 “(ii) was taken on board a vessel and
20 used for a purpose described in subpara-
21 graph (A);

22 “(6) ‘ballast water capacity’ means the total
23 volumetric capacity of all ballast tanks on a vessel;

24 “(7) ‘ballast water management’ means me-
25 chanical, physical, chemical, and biological processes

1 used, either singularly or in combination, to remove,
2 render harmless, or avoid the uptake or discharge of
3 harmful aquatic organisms and pathogens within
4 ballast water and sediment;

5 “(8) ‘constructed’ means a state of construction
6 of a vessel at which—

7 “(A) the keel is laid;

8 “(B) construction identifiable with the spe-
9 cific vessel begins;

10 “(C) assembly of the vessel has begun
11 comprising at least 50 tons or 1 percent of the
12 estimated mass of all structural material of the
13 vessel, whichever is less; or

14 “(D) the vessel undergoes a major conver-
15 sion;”;

16 (5) by inserting after paragraph (15), as redes-
17 ignated, the following:

18 “(16) ‘Invasive Species Council’ means the
19 interagency council established by section 3 of Exec-
20 utive Order No. 13112 (42 U.S.C. 4321 note);

21 “(17) ‘major conversion’ means a conversion of
22 a vessel, that—

23 “(A) changes its ballast water carrying ca-
24 pacity by at least 15 percent;

25 “(B) changes the vessel class;

1 “(C) is projected to prolong the vessel’s life
2 by at least 10 years (as determined by the Sec-
3 retary); or

4 “(D) results in modifications to the vessel’s
5 ballast water system, except—

6 “(i) component replacement-in-kind;
7 or

8 “(ii) conversion of a vessel to meet the
9 requirements of section 1101(f);”;

10 (6) by inserting after paragraph (19), as redes-
11 ignated, the following:

12 “(20) ‘sediment’ means matter that has settled
13 out of ballast water within a vessel;”;

14 (7) by inserting after paragraph (24), as redes-
15 ignated, the following:

16 “(25) ‘United States port’ means a port, river,
17 harbor, or offshore terminal under the jurisdiction of
18 the United States, including a port located in Puerto
19 Rico, Guam, the Northern Marianas, or the United
20 States Virgin Islands;

21 “(26) ‘vessel of the Armed Forces’ means—

22 “(A) any vessel owned or operated by the
23 Department of Defense, other than a time or
24 voyage chartered vessel; and

1 “(B) any vessel owned or operated by the
 2 Department of Homeland Security that is des-
 3 ignated by the Secretary of the department in
 4 which the Coast Guard is operating as a vessel
 5 equivalent to a vessel described in subparagraph
 6 (A);”;

7 (8) by striking the period at the end of para-
 8 graph (24), as redesignated, and inserting a semi-
 9 colon; and

10 (9) by inserting after paragraph (27), as redes-
 11 ignated, the following:

12 “(28) ‘waters subject to the jurisdiction of the
 13 United States’ means navigable waters and the terri-
 14 torial sea of the United States, the exclusive eco-
 15 nomic zone, and the Great Lakes.’”.

16 **TITLE II—PREVENTION OF THE**
 17 **INTRODUCTION OF AQUATIC**
 18 **INVASIVE SPECIES BY OTHER**
 19 **PATHWAYS**

20 **SEC. 201. COAST GUARD REPORTS AND STANDARDS ON**
 21 **OTHER SOURCES OF VESSEL-BORNE**
 22 **INVASIVE SPECIES.**

23 (a) REPORT ON HULL-FOULING AND OTHER VESSEL
 24 SOURCES.—Within 180 days after the date of enactment
 25 of this Act, the Commandant of the Coast Guard shall

1 transmit a report to the Congress on vessel-related vectors
2 of harmful aquatic organisms and pathogens other than
3 ballast water and sediment, including vessel hulls and
4 equipment, and from vessels equipped with ballast tanks
5 that carry no ballast water on board.

6 (b) BEST PRACTICES.—

7 (1) STANDARDS AND PROCEDURES.—As soon
8 as practicable, the Coast Guard shall develop and
9 implement best practices standards and procedures
10 designed to reduce the introduction of invasive spe-
11 cies into and within the United States from vessels
12 and establish a timeframe for implementation of
13 those standards and procedures by vessels, in addi-
14 tion to the mandatory requirements set forth in sec-
15 tion 1101 for ballast water.

16 (2) INCLUDED STANDARDS.—Standards and
17 procedures implemented under paragraph (1) should
18 include designation of geographical locations for up-
19 take and discharge of untreated ballast water, as
20 well as standards and procedures for other vessel
21 vectors of aquatic invasive species.

22 (3) REPORT ON STANDARDS AND PROCE-
23 DURES.—The Commandant of the Coast Guard shall
24 transmit a report to the Congress describing the
25 standards and procedures developed and the imple-

1 mentation timeframe, together with any rec-
2 ommendations, including legislative recommenda-
3 tions if appropriate, the Commandant deems appro-
4 priate.

5 (4) REGULATIONS.—The Secretary may pro-
6 mulgate regulations to incorporate and enforce
7 standards and procedures developed under this sub-
8 section.

9 (c) TRANSITING VESSELS.—Within 180 days after
10 the date of enactment of this Act, the Commandant of
11 the Coast Guard shall transmit a report to the Congress
12 containing—

13 (1) an assessment of the magnitude and poten-
14 tial adverse impacts of ballast water operations from
15 foreign vessels designed, adapted, or constructed to
16 carry ballast water that are transiting waters subject
17 to the jurisdiction of the United States; and

18 (2) recommendations, including legislative rec-
19 ommendations if appropriate, of options for address-
20 ing ballast water operations of those vessels.

21 **SEC. 202. PRIORITY PATHWAY MANAGEMENT PROGRAM.**

22 Subtitle C of title I of the Nonindigenous Aquatic
23 Nuisance Prevention and Control Act of 1990 (16 U.S.C.
24 4721 et seq.) is amended by adding at the end the fol-
25 lowing:

1 **“SEC. 1210. PRIORITY PATHWAY MANAGEMENT PROGRAM.**

2 “(a) IDENTIFICATION OF HIGH PRIORITY PATH-
3 WAYS.—Not later than 2 years after the date of enactment
4 of the Prevention of Aquatic Invasive Species Act of 2006,
5 and every 3 years thereafter, the Task Force, in coordina-
6 tion with the Invasive Species Council and in consultation
7 with representatives of States, industry, and other inter-
8 ested parties, shall, based on pathway surveys and other
9 available research relating to the rates of introductions in
10 waters of the United States—

11 “(1) identify those pathways, other than ballast
12 water and sediment, that pose the highest risk for
13 introductions of invasive species, both nationally and
14 on a region-by-region basis unless further managed;

15 “(2) develop recommendations for management
16 strategies for those high-risk pathways;

17 “(3) include in the report to the Congress re-
18 quired under section 1201(f)(2)(B) a description of
19 the identifications, strategies, and recommendations;
20 and

21 “(4) identify aquatic invasive species not yet in-
22 troduced into waters of the United States that are
23 likely to be introduced into waters of the United
24 States unless preventative measures are taken.

25 “(b) MANAGEMENT OF HIGH PRIORITY PATH-
26 WAYS.—Not later than 3 years after the date of enactment

1 of the Prevention of Aquatic Invasive Species Act of 2006,
2 the Task Force or agencies of jurisdiction shall, to the
3 maximum extent practicable, implement the strategies de-
4 scribed in subsection (a)(2).”.

5 **SEC. 203. IMPORTATION OF LIVE AQUATIC ORGANISMS.**

6 Subtitle B of the Nonindigenous Aquatic Nuisance
7 Prevention and Control Act of 1990 (16 U.S.C. 4711 et
8 seq.) is amended by adding at the end the following:

9 **“SEC. 1105. IMPORTATION OF LIVE AQUATIC ORGANISMS.**

10 “(a) REVIEW OF IMPORTED AQUATIC ORGANISMS.—
11 Not later than 2 years after date of the enactment of the
12 Prevention of Aquatic Invasive Species Act of 2006, the
13 Invasive Species Council, in consultation with the Task
14 Force and the regional panels convened under section
15 1203, States, relevant Federal agencies, and affected in-
16 dustries, shall complete a review of the importation of live
17 aquatic species into the United States.

18 “(b) PURPOSE OF REVIEW.—The review under sub-
19 section (a) shall—

20 “(1) identify live aquatic species imported into
21 the United States that pose a risk to waters of the
22 United States;

23 “(2) consider the likelihood of the spread of live
24 aquatic species imported into the United States by

1 human or natural means, both nationally and on a
2 region-by-region basis;

3 “(3) consider species, including pathogens,
4 parasites, and free-living organisms, that may be
5 transported in association with live aquatic orga-
6 nisms imported into the United States;

7 “(4) designate species imported into the United
8 States with high or moderate probability of spread-
9 ing if introduced into the waters of the United
10 States;

11 “(5) designate species with respect to which
12 there is insufficient information to determine the
13 level probability of spreading if introduced into the
14 waters of the United States; and

15 “(6) include recommendations to prevent the
16 spread of live aquatic organisms imported into the
17 United States throughout the waters of the United
18 States.

19 “(c) GUIDELINES.—Not later than 42 months after
20 the date of the enactment of the Prevention of Aquatic
21 Invasive Species Act of 2006, the Invasive Species Council
22 shall issue guidelines for Federal agencies and States re-
23 sponsible for screening live aquatic organisms imported
24 into the United States to prevent the introduction and

1 spread of species identified in the review under subsection
2 (a).

3 “(d) IMPLEMENTATION OF GUIDELINES.—Not later
4 than 4 years after the date of the enactment of the Pre-
5 vention of Aquatic Invasive Species Act of 2006, the head
6 of each Federal agency identified in the guidelines issued
7 under subsection (c) shall implement the guidelines to the
8 maximum extent possible.

9 “(e) COORDINATION WITH STATES.—The Invasive
10 Species Council and the heads of Federal agencies identi-
11 fied in the guidelines issued under with subsection (c) shall
12 work cooperatively with States to prevent the introduction
13 into waters of the United States of live aquatic organisms
14 imported into the United States.”.

15 **TITLE III—EARLY DETECTION;**
16 **RAPID RESPONSE; CONTROL**
17 **AND OUTREACH**

18 **SEC. 301. EARLY DETECTION.**

19 Subtitle B of the Nonindigenous Aquatic Nuisance
20 Prevention and Control Act of 1990 (16 U.S.C. 4711 et
21 seq.) is amended by adding at the end the following:

22 **“SEC. 1106. EARLY DETECTION AND MONITORING.**

23 “(a) EARLY DETECTION.—

24 “(1) IN GENERAL.—Not later than 18 months
25 after the date of enactment of the Prevention of

1 Aquatic Invasive Species Act of 2006, the Task
2 Force, in consultation with the Invasive Species
3 Council, shall develop and promulgate a set of sam-
4 pling protocols, a geographic plan, and budget to
5 support a national system of ecological surveys to
6 rapidly detect recently established aquatic invasive
7 species in waters of the United States.

8 “(2) CONTENTS.—The protocols, plan, and
9 budget shall, at a minimum—

10 “(A) address a diversity of aquatic eco-
11 systems of the United States (including inland
12 and coastal waters);

13 “(B) encourage State, local, port, and trib-
14 al participation in monitoring;

15 “(C) balance scientific rigor with practica-
16 bility, timeliness, and breadth of sampling activ-
17 ity;

18 “(D) consider the pathways and/or orga-
19 nisms identified under section 1210;

20 “(E) include a capacity to evaluate the im-
21 pacts of the importation of live aquatic orga-
22 nisms into the United States; and

23 “(F) include clear lines of communication
24 with appropriate Federal, State, and regional
25 rapid response authorities.

1 “(3) IMPLEMENTATION.—Not later than 3
 2 years after the date of enactment of the Prevention
 3 of Aquatic Invasive Species Act of 2006, the Direc-
 4 tor, the Under Secretary, and the Administrator (in
 5 consultation with the Invasive Species Council and
 6 in coordination with other agencies) shall implement
 7 a national system of ecological surveys that is—

8 “(A) carried out in cooperation with State,
 9 local, port, tribal authorities, and other non-
 10 Federal entities (such as colleges and univer-
 11 sities); and

12 “(B) based on the protocols, plan, and
 13 budget published under subsection (a)(1) and
 14 any public comment.”.

15 **SEC. 302. RAPID RESPONSE.**

16 Subtitle C of title I of the Nonindigenous Aquatic
 17 Nuisance Prevention and Control Act of 1990 (16 U.S.C.
 18 4721 et seq.) is further amended by adding at the end
 19 the following:

20 **“SEC. 1211. RAPID RESPONSE.**

21 “(a) STATE RAPID RESPONSE CONTINGENCY STRAT-
 22 EGIES.—

23 “(1) EMERGENCY FUNDS FOR RAPID RE-
 24 SPONSE.—A State that has in effect a rapid re-
 25 sponse contingency strategy for invasive species in

1 the State, including rapid assessment capabilities,
2 that is approved under paragraph (2) shall be eligi-
3 ble to receive emergency funding to remain available
4 until expended to implement rapid response meas-
5 ures for aquatic invasive species under the strategy,
6 subject to renewal, as determined by the Secretary
7 of the Interior and the Secretary in accordance with
8 paragraph (2).

9 “(2) APPROVAL OF RAPID RESPONSE CONTIN-
10 GENCY STRATEGIES.—The Task Force, in consulta-
11 tion with the Invasive Species Council, shall approve
12 a State rapid response contingency strategy de-
13 scribed in paragraph (1) if the strategy—

14 “(A) identifies all key governmental and
15 nongovernmental partners to be involved in car-
16 rying out the strategy;

17 “(B) clearly designates the authorities and
18 responsibilities of each partner, including the
19 authority of any State or government of an In-
20 dian tribe to distribute emergency funds;

21 “(C) specifies criteria for rapid response
22 measures, including a diagnostic system that—

23 “(i) distinguishes cases in which rapid
24 response has a likelihood of success and

1 cases in which rapid response has no likeli-
2 hood of success;

3 “(ii) distinguishes rapid response
4 measures from ongoing management and
5 control of established populations of aquat-
6 ic invasive species; and

7 “(iii) distinguishes instances in which
8 the rate and probability of organism dis-
9 persal is significantly altered by vessel
10 movements;

11 “(D) includes an early detection strategy
12 that supports or complements the early detec-
13 tion and monitoring system developed under
14 section 1106;

15 “(E) provides for a monitoring capability
16 to assess—

17 “(i) the extent of infestations; and

18 “(ii) the effectiveness of rapid re-
19 sponse efforts;

20 “(F) to the maximum extent practicable, is
21 integrated into the State aquatic invasive spe-
22 cies management plan approved under section
23 1204;

24 “(G) to the maximum extent possible, does
25 not use rapid response tools that do not meet

1 environmental criteria developed under sub-
2 section (e)(4);

3 “(H) includes a public education and out-
4 reach component directed at—

5 “(i) potential pathways for spread of
6 aquatic invasive species; and

7 “(ii) persons involved in industries
8 and recreational activities associated with
9 those pathways; and

10 “(I) to the extent that the strategy involves
11 vessels, conforms with guidelines issued by the
12 Secretary under subsection (c)(2).

13 “(b) REGIONAL RAPID RESPONSE CONTINGENCY
14 STRATEGIES.—The Task Force, with the concurrence of
15 the Invasive Species Council and in consultation with the
16 regional panels of the Task Force established under sec-
17 tion 1203, shall encourage the development of regional
18 rapid response contingency strategies that—

19 “(1) provide a consistent and coordinated ap-
20 proach to rapid response; and

21 “(2) are approved by—

22 “(A) the Secretary; and

23 “(B) the Governors and Indian tribes hav-
24 ing jurisdiction over areas within a region.

1 “(c) MODEL RAPID RESPONSE CONTINGENCY
2 STRATEGIES.—Not later than 18 months after the date
3 of enactment of the Prevention of Aquatic Invasive Species
4 Act of 2006—

5 “(1) the Task Force, with the concurrence of
6 the Invasive Species Council and the regional panels
7 of the Task Force established under section 1203,
8 shall develop—

9 “(A) a model State rapid response contin-
10 gency strategy for aquatic invasive species, in-
11 cluding rapid assessment capability, that in-
12 cludes, to the maximum extent practicable, the
13 components listed under subparagraphs (A)
14 through (H) of subsection (a)(2); and

15 “(B) a model regional rapid response con-
16 tingency strategy for aquatic invasive species;
17 and

18 “(2) the Secretary, in concurrence with the
19 Task Force and the regional panels, shall issue
20 guidelines that describe vessel-related requirements
21 that may be used in a rapid response contingency
22 strategy, including specific requirements for strategy
23 approved under this section.

24 “(d) COST SHARING.—

1 “(1) STATE RAPID RESPONSE CONTINGENCY
2 STRATEGIES.—The Federal share of the cost of ac-
3 tivities carried out under a State rapid response con-
4 tingency strategy approved under subsection (a)
5 shall be not less than 50 percent.

6 “(2) REGIONAL RAPID RESPONSE CONTINGENCY
7 STRATEGIES.—The Federal share of the cost of ac-
8 tivities carried out under a regional rapid response
9 contingency strategy approved under subsection (b)
10 shall be not less than 75 percent.

11 “(3) IN-KIND CONTRIBUTIONS.—States or re-
12 gions that receive Federal funds for rapid response
13 activities may provide matching funds in the form of
14 in-kind contributions.

15 “(e) FEDERAL RAPID RESPONSE TEAMS.—

16 “(1) ESTABLISHMENT OF TEAMS.—Not later
17 than 1 year after the date of enactment of the Pre-
18 vention of Aquatic Invasive Species Act of 2006, the
19 Invasive Species Council, in coordination with the
20 Task Force and the heads of appropriate Federal
21 agencies, shall establish a Federal rapid response
22 team for each of the 10 Federal regions that com-
23 prise the Standard Federal Regional Boundary Sys-
24 tem.

1 “(2) DUTIES OF TEAMS.—Each Federal rapid
2 response team shall, at a minimum—

3 “(A) implement rapid eradication or con-
4 trol responses for newly detected aquatic
5 invasive species on Federal and tribal land;

6 “(B) carry out, or assist in carrying out,
7 rapid responses for newly detected aquatic
8 invasive species on non-Federal land at the re-
9 quest of a State, Indian tribe, or group of
10 States or Indian tribes;

11 “(C) provide training and expertise for
12 State, tribal, or regional rapid responders;

13 “(D) provide central sources of informa-
14 tion for rapid responders;

15 “(E) maintain a list of researchers and
16 rapid response volunteers; and

17 “(F) in carrying out any rapid response
18 activity with respect to an aquatic noxious weed
19 listed under section 412(f) of the Plant Protec-
20 tion Act (7 U.S.C. 7712(f)), include representa-
21 tives of the Animal and Plant Health Inspection
22 Service.

23 “(3) CRITERIA FOR IDENTIFYING CASES OF
24 RAPID RESPONSE WARRANTING FEDERAL ASSIST-
25 ANCE.—Not later than 1 year after the date of en-

1 actment of the Prevention of Aquatic Invasive Spe-
2 cies Act of 2006, the Task Force, with the concur-
3 rence of the Invasive Species Council, shall develop
4 criteria to identify cases of rapid response war-
5 ranting Federal assistance under this subsection, in-
6 cluding criteria relating to, at a minimum—

7 “(A) the extent to which infestations of
8 aquatic invasive species may be managed suc-
9 cessfully by rapid response;

10 “(B) the extent to which rapid response ef-
11 forts may differ from ongoing management and
12 control; and

13 “(C) the extent to which infestations of
14 nonindigenous aquatic invasive species are con-
15 sidered to be an acute or chronic threat to—

16 “(i) biodiversity of native fish and
17 wildlife;

18 “(ii) habitats of native fish and wild-
19 life; or

20 “(iii) human health.

21 “(4) ENVIRONMENTAL CRITERIA.—Not later
22 than 1 year after the date of enactment of the Pre-
23 vention of Aquatic Invasive Species Act of 2006, the
24 Administrator, in consultation with the Invasive Spe-
25 cies Council, the Secretary of Transportation, the

1 Task Force (including regional panels of the Task
 2 Force established under section 1203), the Director,
 3 and the Director of the National Marine Fisheries
 4 Service, shall develop environmental criteria to mini-
 5 mize nontarget environmental impacts of rapid re-
 6 sponses carried out pursuant to this section.”.

7 **SEC. 303. DISPERSAL BARRIERS.**

8 Section 1202 of the Nonindigenous Aquatic Nuisance
 9 Prevention and Control Act of 1990 (16 U.S.C. 4722) is
 10 amended—

11 (1) by redesignating subsections (j) and (k) as
 12 subsections (l) and (m), respectively; and

13 (2) by inserting after subsection (i) the fol-
 14 lowing:

15 “(j) NATIONAL DISPERSAL BARRIER PROGRAM.—

16 “(1) CHICAGO RIVER SHIP AND SANITARY
 17 CANAL DISPERSAL BARRIER PROJECT.—

18 “(A) IN GENERAL.—The Assistant Sec-
 19 retary, with the concurrence of the Adminis-
 20 trator, shall complete construction of, operate,
 21 and maintain, the Chicago River Ship and Sani-
 22 tary Canal dispersal barrier project.

23 “(B) CONSULTATION.—Subparagraph (A)
 24 shall be carried out in consultation with the ap-

1 appropriate Federal, State, local, and other non-
2 governmental entities.

3 “(C) CONSTRUCTION.—The completed bar-
4 rier project shall include additions to the dis-
5 persal barrier in existence on the date of enact-
6 ment of the Prevention of Aquatic Invasive Spe-
7 cies Act of 2006, including—

8 “(i) backup power;

9 “(ii) a research vessel launching
10 crane;

11 “(iii) replacement electrodes;

12 “(iv) other barrier elements, as avail-
13 able and appropriate;

14 “(v) an acoustic monitoring system;

15 “(vi) an emergency egress system; and

16 “(vii) a second long-service life dis-
17 persal barrier.

18 “(D) FEASIBILITY STUDY OF CHICAGO
19 RIVER SHIP AND SANITARY CANAL.—

20 “(i) IN GENERAL.—Not later than 3
21 years after the date of enactment of the
22 Prevention of Aquatic Invasive Species Act
23 of 2006, the Assistant Secretary, in con-
24 sultation with appropriate Federal, State,
25 local, and nongovernmental entities, shall

1 conduct a feasibility study of the full range
2 of options available to prevent the spread
3 of aquatic species through the Chicago
4 River Ship and Sanitary dispersal barrier.

5 “(ii) MATTERS TO BE STUDIED.—The
6 study shall—

7 “(I) provide recommendations
8 concerning additional and long-term
9 measures necessary to improve the
10 performance of the Chicago River
11 Ship and Sanitary Canal dispersal
12 barrier; and

13 “(II) examine methods and meas-
14 ures necessary to achieve, to the max-
15 imum extent practicable, 100-percent
16 efficacy of the barrier with respect to
17 aquatic invasive species of fish and
18 maximum efficacy of the barrier with
19 respect to other taxa of aquatic
20 invasive species.

21 “(2) MONITORING PROGRAM.—

22 “(A) ESTABLISHMENT.—Not later than 1
23 year after the date of enactment of the Preven-
24 tion of Aquatic Invasive Species Act of 2006,

1 the Secretary of the Interior shall establish an
2 interbasin and intrabasin monitoring program.

3 “(B) REQUIRED ELEMENTS.—The moni-
4 toring program shall—

5 “(i) track aquatic invasive species
6 moving through the Chicago River Ship
7 and Sanitary Canal, the Lake Champlain
8 Canal, other interbasin waterways, and
9 major river systems as recommended by re-
10 gional panels convened under section 1203;

11 “(ii) assess the efficacy of dispersal
12 barriers and other measures in preventing
13 the spread of aquatic invasive species
14 through the waterways; and

15 “(iii) identify waterways suitable for
16 dispersal barrier demonstration projects, in
17 addition to the waterways at which dis-
18 persal barrier demonstration projects were
19 carried out before the date of enactment of
20 the Prevention of Aquatic Invasive Species
21 Act of 2006.

22 “(C) REPORTS.—The Secretary of the In-
23 terior shall issue biennial reports on the find-
24 ings of the monitoring program.

1 “(3) PREVENTION AND MITIGATION PLANS FOR
2 ARMY CORPS OF ENGINEERS PROJECTS.—In devel-
3 oping projects involving interbasin waterways or
4 other hydrologic alternations that could create path-
5 ways for aquatic invasive species, the Assistant Sec-
6 retary shall develop adequate prevention and mitiga-
7 tion plans for controlling the dispersal of aquatic
8 invasive species.

9 “(4) TECHNICAL ASSISTANCE.—The Great
10 Lakes Environmental Research Laboratory of the
11 National Oceanic and Atmospheric Administration
12 shall provide technical assistance to appropriate enti-
13 ties to assist in the research conducted under this
14 subsection.

15 “(5) REPORTS.—Not later than 3 years after
16 the date of enactment of the Prevention of Aquatic
17 Invasive Species Act of 2006, the Assistant Sec-
18 retary and the Director shall jointly submit to the
19 Congress a report that describes—

20 “(A) the efficacy of the Chicago River Ship
21 and Sanitary Canal dispersal barrier project;
22 and

23 “(B) a plan to provide for additional dis-
24 persal barrier demonstration projects and fur-
25 ther research needs.

1 “(6) ADDITIONAL WATERWAYS.—The Assistant
2 Secretary, with the concurrence of the Adminis-
3 trator, and other relevant Federal agencies, shall—

4 “(A) identify additional waterways suitable
5 for the construction of new dispersal barriers
6 (based on the monitoring program established
7 under paragraph (2)); and

8 “(B) construct, maintain, and operate such
9 dispersal barriers as necessary.”.

10 **SEC. 304. ENVIRONMENTAL SOUNDNESS.**

11 Section 1202 of the Nonindigenous Aquatic Nuisance
12 Prevention and Control Act of 1990 (16 U.S.C. 4722) is
13 further amended by inserting after subsection (j) the fol-
14 lowing:

15 “(k) IMPROVEMENT OF TREATMENT METHODS FOR
16 AQUATIC INVASIVE SPECIES.—

17 “(1) CRITERIA TO EVALUATE ENVIRONMENTAL
18 SOUNDNESS OF TREATMENT METHODS.—

19 “(A) IN GENERAL.—Not later than 1 year
20 after the date of enactment of the Prevention of
21 Aquatic Invasive Species Act of 2006, the Ad-
22 ministrator, in consultation and cooperation
23 with the Secretary, the Invasive Species Coun-
24 cil, and the Task Force (including any regional
25 panels of the Task Force) shall promulgate cri-

1 teria to evaluate the treatment methods de-
2 scribed in subparagraph (B) for the purpose of
3 ensuring that the treatment methods pose no
4 significant threat of adverse effect on human
5 health, public safety, or the environment (in-
6 cluding air quality and the aquatic environ-
7 ment) that is acute, chronic, cumulative, or col-
8 lective.

9 “(B) TREATMENT METHODS.—The treat-
10 ment methods referred to in subparagraph (A)
11 are all mechanical, physical, chemical, biologi-
12 cal, and other treatment methods used in bodies
13 of water of the United States (regardless of
14 whether the bodies of water are navigable and
15 regardless of the origin of the waters), to pre-
16 vent, treat, or respond to the introduction of
17 aquatic invasive species.

18 “(C) CONSULTATION.—In carrying out
19 subparagraph (A), the Administrator shall con-
20 sult with—

21 “(i) the Secretary of Transportation;

22 “(ii) the Task Force (including the re-
23 gional panels of the Task Force established
24 under section 1203);

25 “(iii) the Director;

- 1 “(iv) the Assistant Secretary;
- 2 “(v) the Under Secretary;
- 3 “(vi) the Director of the National Ma-
- 4 rine Fisheries Service; and
- 5 “(vii) relevant State agencies.

6 “(2) PUBLICATION OF INFORMATION ON ENVI-
7 RONMENTALLY SOUND TREATMENT METHODS.—Not
8 later than 1 year after the date of enactment of the
9 Prevention of Aquatic Invasive Species Act of 2006,
10 the Administrator, in consultation with the Invasive
11 Species Council, shall publish and update annually—

12 “(A) a list of environmentally sound treat-
13 ment methods that may apply to a potential
14 aquatic invasive species response effort;

15 “(B) accompanying research that supports
16 the environmental soundness of each approved
17 treatment method; and

18 “(C) explicit guidelines under which each
19 treatment method can be used in an environ-
20 mentally sound manner.

21 “(3) REPORTS.—The Invasive Species Council
22 and Task Force shall include the information de-
23 scribed in paragraph (2) in the reports submitted
24 under section 1201(f)(2)(B).”.

1 **SEC. 305. INFORMATION, EDUCATION, AND OUTREACH.**

2 Section 1202(h) of the Nonindigenous Aquatic Nui-
3 sance Prevention and Control Act of 1990 (16 U.S.C.
4 4722(h)) is amended—

5 (1) by striking “(h) EDUCATION.—The Task
6 Force” and inserting the following:

7 “(h) INFORMATION, EDUCATION, AND OUTREACH.—

8 “(1) IN GENERAL.—The Task Force”; and

9 (2) by adding at the end the following:

10 “(2) ACTIVITIES.—

11 “(A) IN GENERAL.—The programs carried
12 out under paragraph (1) shall include the ac-
13 tivities described in this paragraph.

14 “(B) PUBLIC WARNINGS.—Not later than
15 180 days after the date of enactment of the
16 Prevention of Aquatic Invasive Species Act of
17 2006, each Federal officer of an agency that
18 provides Federal funds to States for building or
19 maintaining public access points to waters of
20 the United States shall amend the guidelines of
21 the agency, in consultation with relevant State
22 agencies, to encourage the posting of regionally
23 specific public warnings or other suitable infor-
24 mational and educational materials at the ac-
25 cess points regarding—

1 “(i) the danger of spread of aquatic
2 invasive species through the transport of
3 recreational watercraft; and

4 “(ii) methods for removing organisms
5 prior to transporting a watercraft.

6 “(C) CLEANING OF WATERCRAFT AT MARI-
7 NAS.—Not later than 1 year after the date of
8 enactment of the Prevention of Aquatic Invasive
9 Species Act of 2006, the Under Secretary and
10 the Director (in cooperation with the Task
11 Force and in consultation with the States, rel-
12 evant industry groups, and Indian tribes) shall
13 develop an education, outreach, and training
14 program directed toward marinas and marina
15 operators regarding—

16 “(i) checking watercraft for live orga-
17 nisms;

18 “(ii) removing live organisms from the
19 watercraft before the watercraft are com-
20 mercially or recreationally trailered;

21 “(iii) encouraging regular hull clean-
22 ing and maintenance, avoiding in-water
23 hull cleaning; and

24 “(iv) other activities, as identified by
25 the Secretary.

1 “(D) PROPER DISPOSAL OF NONINDIGENE-
2 NOUS LIVE AQUATIC ORGANISMS IN TRADE.—

3 The Task Force shall—

4 “(i) not later than 1 year after the
5 date of enactment of the Prevention of
6 Aquatic Invasive Species Act of 2006, de-
7 velop (in consultation with industry and
8 other affected parties) issue guidelines for
9 proper disposal of live nonindigenous
10 aquatic organisms in trade; and

11 “(ii) use the guidelines in appropriate
12 public information and outreach efforts.

13 “(E) EXPANSION OF PROGRAM.—

14 “(i) IN GENERAL.—Not later than 1
15 year after the date of enactment of the
16 Prevention of Aquatic Invasive Species Act
17 of 2006, the Task Force shall expand the
18 information and education program di-
19 rected at recreational boaters in States
20 from which watercraft are transported
21 westward across the 100th meridian.

22 “(ii) ACTIVITIES.—In carrying out the
23 program, the Task Force shall—

24 “(I) survey owners of watercraft
25 transported westward across the

1 100th meridian to determine the
2 States of origin of most such owners;

3 “(II) provide information directly
4 to watercraft owners concerning the
5 importance of cleaning watercraft car-
6 rying live organisms before trans-
7 porting the watercraft; and

8 “(III) support education and in-
9 formation programs of the States of
10 origin to ensure that the State pro-
11 grams address westward spread.

12 “(F) INFORMATION AND EDUCATION PRO-
13 GRAM BY NATIONAL PARK SERVICE.—The Sec-
14 retary of the Interior, acting through the Direc-
15 tor of the National Park Service, shall develop
16 a program to provide public outreach and other
17 educational activities to prevent the spread of
18 aquatic invasive species by recreational
19 watercraft in units of the National Park System
20 or through events sponsored by the National
21 Park Service.

22 “(3) OUTREACH TO INDUSTRY.—The Task
23 Force, in conjunction with the Invasive Species
24 Council, shall carry out activities to inform and pro-
25 mote voluntary cooperation and regulatory compli-

1 ance by members of the national and international
2 maritime, horticultural, aquarium, aquaculture, and
3 pet trade industries with screening, monitoring, and
4 control of the transportation of aquatic invasive spe-
5 cies.

6 “(4) PUBLIC ACCESS TO MONITORING INFORMA-
7 TION.—The Task Force, the Invasive Species Coun-
8 cil, and other relevant agencies, shall maintain infor-
9 mation on the Internet regarding—

10 “(A) the best approaches for the public
11 and private interests to use in assisting with
12 national early detection and monitoring of
13 aquatic invasive species in waters of the United
14 States;

15 “(B) contact locations for joining a na-
16 tional network of monitoring stations;

17 “(C) approved State Management Plans
18 under section 1204(a) and Rapid Response
19 Contingency Strategies under sections
20 1211(a)(2) and 1211(c); and

21 “(D) the list of potential invaders under
22 section 1210(a)(4).”.

1 **TITLE IV—COORDINATION**

2 **SEC. 401. PROGRAM COORDINATION.**

3 (a) MEMBERSHIP OF TASK FORCE.—Section 1201(b)
4 of the Nonindigenous Aquatic Nuisance Prevention and
5 Control Act of 1990 (16 U.S.C. 4721) is amended—

6 (1) in paragraph (6) by striking “and” at the
7 end;

8 (2) in paragraph (3) by striking “of the Envi-
9 ronmental Protection Agency”;

10 (3) by redesignating paragraph (7) as para-
11 graph (12); and

12 (4) by inserting after paragraph (6) the fol-
13 lowing:

14 “(7) the Director of the United States Geologi-
15 cal Survey;

16 “(8) the Director of the Smithsonian Environ-
17 mental Research Center;

18 “(9) the Secretary of State;

19 “(10) the Secretary of Transportation;

20 “(11) the Secretary of Homeland Security;
21 and”.

22 (b) COORDINATION WITH INVASIVE SPECIES COUN-
23 CIL.—Section 1201(f) of the Nonindigenous Aquatic Nui-
24 sance Prevention and Control Act of 1990 (16 U.S.C.
25 4721(f)) is amended—

1 (1) by striking “Each Task Force member” and
2 inserting the following:

3 “(1) IN GENERAL.—Each member of the Task
4 Force”; and

5 (2) by adding at the end the following:

6 “(2) INVASIVE SPECIES COUNCIL.—The
7 Invasive Species Council shall—

8 “(A) coordinate and cooperate with the
9 Task Force in carrying out the duties of the
10 Invasive Species Council relating to aquatic
11 invasive species;

12 “(B) not later than 2 years after the date
13 of enactment of the Prevention of Aquatic
14 Invasive Species Act of 2006, and every 3 years
15 thereafter, submit to Congress a report that
16 summarizes the status of the conduct of activi-
17 ties authorized by and required under this Act;
18 and

19 “(C) establish any regional panels or task
20 forces in coordination with the regional panels
21 of the Task Force convened under section
22 1203.”.

23 (c) COORDINATION WITH OTHER PROGRAMS.—Sec-
24 tion 1202(c) of the Nonindigenous Aquatic Nuisance Pre-

1 vention and Control Act of 1990 (16 U.S.C. 4722(c)) is
2 amended by adding at the end the following:

3 “(3) RECOMMENDATIONS FOR LISTS.—The
4 Task Force shall annually recommend to Federal
5 agencies of jurisdiction such additions of aquatic
6 invasive species as the Task Force determines to be
7 appropriate for inclusion on—

8 “(A) any list of species of wildlife under
9 the Lacey Act Amendments of 1981 (16 U.S.C.
10 3371 et seq.) (including regulations under such
11 Act); or

12 “(B) any list of noxious weeds under the
13 Plant Protection Act (7 U.S.C. 7701 et seq.)
14 (including regulations promulgated under that
15 Act contained in part 360 of title 7, Code of
16 Federal Regulations (or any successor regula-
17 tions)).”.

18 (d) REGIONAL COORDINATION.—Section 1203 of the
19 Nonindigenous Aquatic Nuisance Prevention and Control
20 Act of 1990 (16 U.S.C. 4723) is amended by adding at
21 the end the following:

22 “(d) ANNUAL INTERREGIONAL MEETING.—The Task
23 Force shall annually convene all regional panels estab-
24 lished pursuant to this Act for the purpose of information
25 transfer between and among panels, and between the pan-

1 els and the Task Force, regarding aquatic invasive species
2 management.

3 “(e) ORGANIZATIONS.—An interstate organization
4 that has a Federal charter authorized by law, interstate
5 agreement, or Executive Order for purposes of fisheries
6 or natural resource management may receive funds under
7 this Act to implement activities authorized under this
8 Act.”.

9 (e) STATE AQUATIC INVASIVE SPECIES MANAGE-
10 MENT PLANS.—Section 1204(a) of the Nonindigenous
11 Aquatic Nuisance Prevention and Control Act of 1990 (16
12 U.S.C. 4724(a)) is amended—

13 (1) by striking paragraph (2)(A) and inserting
14 the following:

15 “(A) identify and describe State and local
16 programs for environmentally sound prevention
17 and control of the target aquatic invasive spe-
18 cies in accordance with guidelines issued by the
19 Task Force under paragraph (5), including—

20 “(i) rapid response contingency strate-
21 gies under section 1211;

22 “(ii) early detection strategies under
23 section 1211(a)(2)(D);

24 “(iii) aquatic plant control programs
25 pursuant to other law; and

1 “(iv) screening of imported live aquat-
2 ic species in accordance with guidelines
3 issued under section 1105;”;

4 (2) in paragraph (2)(D) by inserting “include”
5 after “(D)”; and

6 (3) by adding at the end the following:

7 “(5) GUIDELINES.—

8 “(A) IN GENERAL.—Not later than 1 year
9 after the date of enactment of the Prevention of
10 Aquatic Invasive Species Act of 2006, the Task
11 Force shall publish in the Federal Register
12 guidelines for the development of plans under
13 this subsection, including guidelines for report-
14 ing progress in implementing the plans, to en-
15 courage consistency in implementation of and
16 reporting under those plans.

17 “(B) GUIDELINES.—The guidelines pub-
18 lished under subparagraph (A) shall include, for
19 the purpose of paragraph (2)(A), guidelines
20 concerning—

21 “(i) rapid response contingency strate-
22 gies under section 1211;

23 “(ii) early detection and monitoring
24 strategies under section 1211(a)(2)(D);

1 “(iii) aquatic plant control programs;
2 and

3 “(iv) the review and revision of re-
4 quirements of this subsection and the re-
5 approval process under this subsection.

6 “(6) RELATIONSHIP TO OTHER PLANS.—

7 “(A) IN GENERAL.—A plan approved
8 under paragraph (4) shall be deemed to meet
9 any State planning requirement of the program
10 established under section 104 of the River and
11 Harbor Act of 1958 (33 U.S.C. 610) for a plan
12 to control noxious aquatic plant growths.

13 “(B) ENFORCEMENT.—Funds provided to
14 States for implementation of plans pursuant to
15 section 1204 may be used by States to enforce
16 requirements relating to aquatic invasive species
17 under the Plant Protection Act (7 U.S.C. 7701
18 et seq.) (including regulations promulgated
19 under that Act contained in part 360 of title 7,
20 Code of Federal Regulations (or any successor
21 regulations)).

22 “(7) REVIEW AND REVISION.—

23 “(A) IN GENERAL.—Each State shall peri-
24 odically review and, as necessary and subject to
25 subparagraph (B), revise the management plan

1 of the State in accordance with guidelines of
2 the Task Force under paragraph (5).

3 “(B) UPDATE OF EXISTING PLANS.—A
4 State plan approved under the section before
5 the date of the enactment of the Prevention of
6 Aquatic Invasive Species Act of 2006 shall be
7 revised by the State under guidelines issued by
8 the Director to conform to the guidelines pub-
9 lished under paragraph (5), but shall be treated
10 as a plan approved under this subsection for
11 purposes of grants under this section.

12 “(8) OTHER STATE MANAGEMENT PLANS.—In
13 addition to the management plans required under
14 this subsection, the Director shall encourage each
15 State to develop and implement new, and expand ex-
16 isting, State management plans to improve State ac-
17 tions to prevent and control aquatic invasive spe-
18 cies.”.

19 (f) GRANT PROGRAM.—Section 1204(b)(1) of the
20 Nonindigenous Aquatic Nuisance Prevention and Control
21 Act of 1990 (16 U.S.C. 4724(b)(1)) is amended by strik-
22 ing “subsection (a) for the implementation of those
23 plans.” and inserting the following: “subsection (a) to de-
24 velop and implement those plans.”.

1 **SEC. 402. INTERNATIONAL COORDINATION.**

2 Subtitle E of the Nonindigenous Aquatic Nuisance
3 Prevention and Control Act of 1990 (16 U.S.C. 4751 et
4 seq.) is amended—

5 (1) by striking the subtitle heading and insert-
6 ing the following:

7 **“Subtitle E—Administration”**; and

8 (2) by adding at the end the following:

9 **“SEC. 1402. COORDINATION WITH NEIGHBORING COUN-**
10 **TRIES.**

11 “(a) IN GENERAL.—The Task Force, in consultation
12 with the Secretary of State, shall include in the report re-
13 quired by section 1202(m) a description of the means by
14 which international agreements and regulations with coun-
15 tries that share a border with the United States will be
16 implemented and enforced by Federal agencies (including
17 a clarification of the roles and responsibilities of those
18 agencies).

19 “(b) NEGOTIATIONS.—As soon as practicable after
20 the date of enactment of the Prevention of Aquatic
21 Invasive Species Act of 2006, the Secretary of State may
22 enter into negotiations with—

23 “(1) Canada to issue a request that the Inter-
24 national Joint Commission, by not later than 18
25 months after the date of enactment of that Act, re-
26 view, research, conduct hearings on, and submit to

1 the parties represented on the International Joint
2 Commission a report that describes the success of
3 current policies of governments in the United States
4 and Canada having jurisdiction over the Great
5 Lakes in anticipating and preventing biological inva-
6 sions of the aquatic ecosystem in the Great Lakes,
7 including—

8 “(A) an analysis of current Federal, State
9 or Provincial, local, and international laws, en-
10 forcement practices, and agreements;

11 “(B) an analysis of prevention efforts re-
12 lated to all likely pathways for biological inva-
13 sions of the aquatic ecosystem in the Great
14 Lakes; and

15 “(C) recommendations of the International
16 Joint Commission for means by which to im-
17 prove and harmonize the policies and enforce-
18 ment practices referred to in clause (i); and

19 “(2) Mexico, to ensure coordination of efforts of
20 the United States with efforts of Mexico to manage
21 invasive species established in the United States-
22 Mexico border region.”.

1 **TITLE V—AUTHORIZATION OF**
2 **APPROPRIATIONS**

3 **SEC. 501. AUTHORIZATION OF APPROPRIATIONS.**

4 Section 1301 of the Nonindigenous Aquatic Nuisance
5 Prevention and Control Act of 1990 (16 U.S.C. 4741) is
6 amended to read as follows:

7 **“SEC. 1301. AUTHORIZATION OF APPROPRIATIONS.**

8 “There are authorized to be appropriated such sums
9 as are necessary to carry out this Act for each of fiscal
10 years 2007 through 2011.”.

11 **TITLE VI—CONFORMING**
12 **AMENDMENTS**

13 **SEC. 601. CONFORMING AMENDMENTS.**

14 (a) **REPEAL OF SECTION 1103.**—Section 1103 of the
15 Nonindigenous Aquatic Nuisance Prevention and Control
16 Act of 1990 (16 U.S.C. 4713) is repealed.

17 (b) **MISCELLANEOUS AMENDMENTS.**—The Non-
18 indigenous Aquatic Nuisance Prevention and Control Act
19 of 1990 is amended—

20 (1) by striking “**AQUATIC NUISANCE**” in
21 the heading for title I of Public Law 101–646 (104
22 Stat. 4761) and inserting “**AQUATIC**
23 **INVASIVE SPECIES**”;

1 (2) by striking “**Nuisance**” in the heading for
2 subtitles B and C of title I of Public Law 101–646
3 (104 Stat. 4761 et seq.) and inserting “**Invasive**”;

4 (3) by striking “Nuisance” in section 1001 (16
5 U.S.C. 4701 note) and inserting “Invasive Species”;

6 (4) by striking “Nuisance” each place it ap-
7 pears and inserting “Invasive”;

8 (5) by striking “nuisance” each place it appears
9 and inserting “invasive”;

10 (6) by striking “nonindigenous” in section
11 1104(b)(1) (16 U.S.C. 4714(b)(1)) and inserting
12 “invasive”;

13 (7) by striking “nonindigenous” in section
14 1002(b)(4) (16 U.S.C. 4701(b)(4));

15 (8) by striking the heading for section 1202 (16
16 U.S.C. 4722) and inserting the following:

17 “**SEC. 1202. AQUATIC INVASIVE SPECIES PROGRAM.**”;

18 (9) by striking the heading for section 1204 (16
19 U.S.C. 4724) and inserting the following:

20 “**SEC. 1204. STATE AQUATIC INVASIVE SPECIES MANAGE-**
21 **MENT PLANS.**”; and

22 (10) in section 1102 (16 U.S.C. 4712)—

23 (A) in subsection (a) by striking the sub-
24 section heading and inserting the following:

1 “(a) STUDIES ON INTRODUCTION OF AQUATIC
2 INVASIVE SPECIES BY VESSELS.—”; and

3 (B) in subsection (b)—

4 (i) by striking paragraph (1); and

5 (ii) by redesignating paragraphs (2)

6 and (3) as paragraphs (1) and (2), respec-

7 tively.

8 (c) REFERENCES IN OTHER LAWS, ETC.—Any ref-
9 erence to the Aquatic Nuisance Species Task Force in any
10 other Federal law, Executive Order, rule, regulation, or
11 delegation of authority, or any document or pertaining to
12 the Aquatic Nuisance Species Task Force or a member
13 or employee of the Aquatic Nuisance Species Task Force,
14 is deemed to refer to the Aquatic Invasive Species Task
15 Force or a member or employee of the Aquatic Invasive
16 Species Task Force, as appropriate.

17 (d) SHORT TITLE REFERENCES.—Any reference in
18 a law, map, regulation, document, paper, or other record
19 of the United States to the Nonindigenous Aquatic Nui-
20 sance Prevention and Control Act of 1990 is deemed to
21 refer to the Nonindigenous Aquatic Invasive Species Pre-
22 vention and Control Act of 1990.

23 (e) EFFECTIVE DATE.—Except as otherwise provided
24 in section 1101 of the Nonindigenous Aquatic Nuisance
25 Prevention and Control Act of 1990 (16 U.S.C. 4711),

1 as amended by title I, the provisions of that title as so
2 amended take effect on the date of enactment of this Act.

