

“The Director of the National Science Foundation shall continue to carry out research activities on ocean acidification which shall support competitive, merit-based, peer-reviewed proposals for research and monitoring of ocean acidification and its impacts, including—

- “(1) impacts on marine organisms and marine ecosystems;
- “(2) impacts on ocean, coastal, and estuarine biogeochemistry; and
- “(3) the development of methodologies and technologies to evaluate ocean acidification and its impacts.”

**§ 3707. NASA ocean acidification activities**

**(a) Ocean acidification activities**

The Administrator of the National Aeronautics and Space Administration, in coordination with other relevant agencies, shall ensure that space-based monitoring assets are used in as productive a manner as possible for monitoring of ocean acidification and its impacts.

**(b) Program consistency**

The Administrator shall ensure that the Agency’s research and monitoring activities on ocean acidification are carried out in a manner consistent with the strategic research plan developed by the Subcommittee under section 3704 of this title.

**(c) Coordination**

The Administrator shall encourage coordination of the Agency’s ocean acidification activities with such activities of other nations and international organizations.

(Pub. L. 111–11, title XII, §12408, Mar. 30, 2009, 123 Stat. 1441.)

**§ 3708. Authorization of appropriations**

**(a) NOAA**

There are authorized to be appropriated to the National Oceanic and Atmospheric Administration to carry out the purposes of this chapter—

- (1) \$8,000,000 for fiscal year 2009;
- (2) \$12,000,000 for fiscal year 2010;
- (3) \$15,000,000 for fiscal year 2011; and
- (4) \$20,000,000 for fiscal year 2012.

**(b) NSF**

There are authorized to be appropriated to the National Science Foundation to carry out the purposes of this chapter—

- (1) \$6,000,000 for fiscal year 2009;
- (2) \$8,000,000 for fiscal year 2010;
- (3) \$12,000,000 for fiscal year 2011; and
- (4) \$15,000,000 for fiscal year 2012.

(Pub. L. 111–11, title XII, §12409, Mar. 30, 2009, 123 Stat. 1441.)

**CHAPTER 51—CLEAN HULLS**

**SUBCHAPTER I—GENERAL PROVISIONS**

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| <p>Sec.<br/>3801.<br/>3802.<br/>3803.<br/>3804.<br/>3805.</p> | <p>Definitions.<br/>Covered vessels.<br/>Administration and enforcement.<br/>Compliance with international law.<br/>Utilization of personnel, facilities or equipment of other Federal departments and agencies.</p> |
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**SUBCHAPTER II—IMPLEMENTATION OF THE CONVENTION**

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| <p>3821.</p> | <p>Certificates.</p> |
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| <p>Sec.<br/>3822.<br/>3823.<br/>3824.<br/>3825.<br/><br/>3826.<br/><br/>3841.<br/>3842.<br/>3843.<br/>3844.<br/><br/>3851.<br/>3852.<br/>3853.<br/>3854.<br/><br/>3855.<br/>3856.<br/><br/>3857.</p> | <p>Declaration.<br/>Other compliance documentation.<br/>Process for considering additional controls.<br/>Scientific and technical research and monitoring; communication and information.<br/>Communication and exchange of information.<br/><br/>SUBCHAPTER III—PROHIBITIONS AND ENFORCEMENT AUTHORITY<br/><br/>Prohibitions.<br/>Investigations and inspections by Secretary.<br/>EPA enforcement.<br/>Additional authority of the Administrator.<br/><br/>SUBCHAPTER IV—ACTION ON VIOLATION, PENALTIES, and REFERRALS<br/><br/>Criminal enforcement.<br/>Civil enforcement.<br/>Liability in rem.<br/>Vessel clearance or permits; refusal or revocation; bond or other surety.<br/>Warnings, detentions, dismissals, exclusion.<br/>Referrals for appropriate action by foreign country.<br/>Remedies not affected.</p> |
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**SUBCHAPTER I—GENERAL PROVISIONS**

**§ 3801. Definitions**

In this chapter:

**(1) Administrator**

The term “Administrator” means the Administrator of the Environmental Protection Agency.

**(2) Antifouling system**

The term “antifouling system” means a coating, paint, surface treatment, surface, or device that is used or intended to be used on a vessel to control or prevent attachment of unwanted organisms.

**(3) Convention**

The term “Convention” means the International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001, including its annexes, and including any amendments to the Convention or annexes which have entered into force for the United States.

**(4) FPSO**

The term “FPSO” means a floating production, storage, or offloading unit.

**(5) FSU**

The term “FSU” means a floating storage unit.

**(6) Gross tonnage**

The term “gross tonnage” as defined in chapter 143 of title 46 means the gross tonnage calculated in accordance with the tonnage measurement regulations contained in annex 1 to the International Convention on Tonnage Measurement of Ships, 1969.

**(7) International voyage**

The term “international voyage” means a voyage by a vessel entitled to fly the flag of one country to or from a port, shipyard, offshore terminal, or other place under the jurisdiction of another country.

**(8) Organotin**

The term “organotin” means any compound or additive of tin bound to an organic ligand,