

(G) other stakeholders.

**(e) Federal Register**

The Under Secretary shall publish the Action Strategy in the Federal Register.

**(f) Periodic revision**

The Under Secretary, in coordination and consultation with the individuals and entities under subsection (d), shall periodically review and revise the Action Strategy prepared under this section, as necessary.

(Pub. L. 105-383, title VI, § 603B, as added Pub. L. 113-124, § 5, June 30, 2014, 128 Stat. 1382.)

**§ 4004. Northern Gulf of Mexico hypoxia**

**(a) Initial progress reports**

Beginning not later than 12 months after June 30, 2014, and biennially thereafter, the Administrator, through the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force, shall submit a progress report to the appropriate congressional committees and the President that describes the progress made by activities directed by the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force and carried out or funded by the Environmental Protection Agency and other State and Federal partners toward attainment of the goals of the Gulf Hypoxia Action Plan 2008.

**(b) Contents**

Each report required under this section shall—

- (1) assess the progress made toward nutrient load reductions, the response of the hypoxic zone and water quality throughout the Mississippi/Atchafalaya River Basin, and the economic and social effects;
- (2) evaluate lessons learned; and
- (3) recommend appropriate actions to continue to implement or, if necessary, revise the strategy set forth in the Gulf Hypoxia Action Plan 2008.

(Pub. L. 105-383, title VI, § 604, Nov. 13, 1998, 112 Stat. 3449; Pub. L. 113-124, § 7, June 30, 2014, 128 Stat. 1384.)

CODIFICATION

Section was formerly set out in a note under section 1451 of Title 16, Conservation.

AMENDMENTS

2014—Pub. L. 113-124 amended section generally. Prior to amendment, section required the Task Force to submit an integrated assessment of hypoxia in the northern Gulf of Mexico and develop a plan for reducing, mitigating, and controlling such hypoxia.

**§ 4005. Great Lakes hypoxia and harmful algal blooms**

**(a) Integrated assessment**

Not later than 18 months after June 30, 2014, the Task Force, in accordance with the authority under section 4001 of this title, shall complete and submit to the Congress and the President an integrated assessment that examines the causes, consequences, and approaches to reduce hypoxia and harmful algal blooms in the Great Lakes, including the status of and gaps within current research, monitoring, management, prevention, response, and control activities by—

- (1) Federal agencies;
- (2) State agencies;
- (3) regional research consortia;
- (4) academia;
- (5) private industry; and
- (6) nongovernmental organizations.

**(b) Plan**

**(1) In general**

Not later than 2 years after June 30, 2014, the Task Force shall develop and submit to the Congress a plan, based on the integrated assessment under subsection (a), for reducing, mitigating, and controlling hypoxia and harmful algal blooms in the Great Lakes.

**(2) Contents**

The plan shall—

- (A) address the monitoring needs identified in the integrated assessment under subsection (a);
- (B) develop a timeline and budgetary requirements for deployment of future assets;
- (C) identify requirements for the development and verification of Great Lakes hypoxia and harmful algal bloom models, including—
  - (i) all assumptions built into the models; and
  - (ii) data quality methods used to ensure the best available data are utilized; and
- (D) describe efforts to improve the assessment of the impacts of hypoxia and harmful algal blooms by—
  - (i) characterizing current and past biological conditions in ecosystems affected by hypoxia and harmful algal blooms; and
  - (ii) quantifying effects, including economic effects, at the population and community levels.

**(3) Requirements**

In developing the plan, the Task Force shall—

- (A) coordinate with State and local governments;
- (B) consult with representatives from academic, agricultural, industry, and other stakeholder groups, including relevant Canadian agencies;
- (C) ensure that the plan complements and does not duplicate activities conducted by other Federal or State agencies;
- (D) identify critical research for reducing, mitigating, and controlling hypoxia events and their effects;
- (E) evaluate cost-effective, incentive-based partnership approaches;
- (F) ensure that the plan is technically sound and cost effective;
- (G) utilize existing research, assessments, reports, and program activities;
- (H) publish a summary of the proposed plan in the Federal Register at least 180 days prior to submitting the completed plan to Congress; and
- (I) after submitting the completed plan to Congress, provide biennial progress reports on the activities toward achieving the objectives of the plan.

(Pub. L. 105-383, title VI, § 605, Nov. 13, 1998, 112 Stat. 3449; Pub. L. 108-456, title I, § 105, Dec. 10,