

111TH CONGRESS
2^D SESSION

S. 3602

To amend title 23, United States Code, to direct the Secretary to establish a comprehensive program to control and treat polluted stormwater runoff from federally funded highways and roads, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JULY 15, 2010

Mr. CARDIN introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

A BILL

To amend title 23, United States Code, to direct the Secretary to establish a comprehensive program to control and treat polluted stormwater runoff from federally funded highways and roads, 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 “Safe Treatment of Pol-
5 luted Stormwater Runoff Act” or the “STOPS Runoff
6 Act”.

1 **SEC. 2. FEDERAL-AID HIGHWAY RUNOFF POLLUTION MAN-**
2 **AGEMENT PROGRAM.**

3 (a) IN GENERAL.—Chapter 3 of title 23, United
4 States Code, is amended by adding at the end the fol-
5 lowing:

6 **“§ 330. Federal-aid highway runoff pollution manage-**
7 **ment program**

8 “(a) ESTABLISHMENT.—The Secretary shall estab-
9 lish a Federal-aid highway runoff pollution management
10 program to ensure that covered projects are constructed
11 in accordance with minimum standards designed to pro-
12 tect surface and ground water quality.

13 “(b) PROJECT APPROVAL.—The Secretary may ap-
14 prove a covered project of a State under section 106 only
15 if the State provides assurances satisfactory to the Sec-
16 retary that the State will construct the project in accord-
17 ance with the minimum standards described in subsection
18 (c).

19 “(c) MINIMUM STANDARDS.—The following min-
20 imum standards shall apply to the construction of covered
21 projects to maintain or restore, to the maximum extent
22 technically feasible, the predevelopment hydrology of the
23 project site with regard to the temperature, rate, chemical
24 composition, volume and duration of flow:

25 “(1) Avoid and minimize alteration of natural
26 features and hydrology and maximize use of pollu-

1 tion source control measures that utilize existing ter-
2 rain and natural features and reduce chemical intro-
3 duction to reduce creation of pollution on the project
4 site.

5 “(2) Maximize capture of highway runoff pollu-
6 tion on the project site through pretreatment and
7 treatment, including environmental site design tech-
8 niques and other control measures that promote
9 evapotranspiration and infiltration.

10 “(3) Prevent any remaining highway runoff pol-
11 lution not addressed under paragraphs (1) and (2)
12 to the maximum extent practicable by implementing
13 one or more of the following control measures se-
14 lected through a watershed-based environmental
15 management or equivalent approach:

16 “(A) Pretreatment and treatment of runoff
17 with appropriate control measures on the
18 project site.

19 “(B) Discharge of highway runoff pollution
20 directly to an off-site control measure under the
21 control of the State with documented capacity
22 to provide functionally and quantitatively equiv-
23 alent management of runoff pollution to that
24 required to achieve the minimum standards of
25 this subsection for the design life of the project.

1 “(C) If the control measures in subpara-
2 graphs (A) and (B) are found impracticable
3 based on site conditions or other appropriate
4 factors, and an appropriate off-site runoff pollu-
5 tion mitigation program is in place, contribu-
6 tion to a mitigation program that will produce
7 functionally and quantitatively equivalent man-
8 agement of runoff pollution to that required to
9 achieve the minimum standards. Under this
10 subparagraph, priority shall be given to off-site
11 control measures that address the impacts of
12 runoff pollution to waterways that are listed as
13 impaired in the same or adjacent 8-digit Hydro-
14 logic Unit Code as the project site.

15 “(d) GUIDANCE.—

16 “(1) IN GENERAL.—Not later than 180 days
17 after the date of enactment of this section, the Sec-
18 retary, with the concurrence of the Administrator of
19 the Environmental Protection Agency, shall publish
20 guidance to assist States in complying with the re-
21 quirements of this section.

22 “(2) CONTENTS OF GUIDANCE.—The guidance
23 shall include guidelines for the establishment of
24 State processes and programs that will be used to
25 assist in managing highway runoff pollution from

1 covered projects in accordance with the minimum
2 standards described in subsection (c), including—

3 “(A) guidance to help States integrate the
4 planning, selection, design, and long-term oper-
5 ation and maintenance of control measures con-
6 sistent with the minimum standards in the
7 overall project planning process;

8 “(B) creation of a watershed-based envi-
9 ronmental management approach to assist
10 projects in achieving consistency with the min-
11 imum standards;

12 “(C) guidelines for the development and
13 utilization of off-site runoff pollution mitigation
14 programs to achieve compliance with the min-
15 imum standards; and

16 “(D) provisions for State inspection, moni-
17 toring, and reporting to document State compli-
18 ance and project consistency with this section.

19 “(e) LIMITATION ON STATUTORY CONSTRUCTION.—
20 Nothing in this section shall be construed to affect the
21 applicability of any provision of Federal, State, or local
22 law that is more stringent than the requirements of this
23 section.

24 “(f) REPORTING.—The Secretary shall require each
25 State to report annually to the Secretary on the highway

1 runoff pollution reductions achieved for covered projects
2 carried out by the State after the date of enactment of
3 this section.

4 “(g) DEFINITIONS.—In this section, the following
5 definitions apply:

6 “(1) CONTROL MEASURE.—The term ‘control
7 measure’ means a program, structural or non-
8 structural management practice, operational proce-
9 dure, or policy on or off the project site that is in-
10 tended to control, reduce, or prevent highway runoff
11 pollution.

12 “(2) COVERED PROJECT.—The term ‘covered
13 project’ means a project carried out under this title
14 for—

15 “(A) construction of a new highway or as-
16 sociated facility;

17 “(B) construction of a Federal-aid highway
18 runoff control measure retrofit; or

19 “(C) construction of a significant Federal-
20 aid highway improvement.

21 “(3) FEDERAL-AID HIGHWAY RUNOFF CONTROL
22 MEASURE RETROFIT.—The term ‘Federal-aid high-
23 way runoff control measure retrofit’ means the in-
24 stallation or modification of a control measure for
25 highway runoff pollution serving a Federal-aid high-

1 way or associated facility originally constructed be-
2 fore the date of enactment of this section.

3 “(4) HIGHWAY RUNOFF POLLUTION.—The term
4 ‘highway runoff pollution’ means in relation to a
5 Federal-aid highway, associated facility, or control
6 measure retrofit projects one or more of the fol-
7 lowing—

8 “(A) a discharge of sediment, metals, bac-
9 teria, chemicals, nutrients, or oil and grease in
10 runoff; or

11 “(B) a discharge of peak flow rate, water
12 temperature, and volume of runoff that exceeds
13 predevelopment amounts generated from a Fed-
14 eral-aid highway, associated facility, or control
15 measure retrofit project that violates the water
16 quality standards of the receiving water set by
17 the Federal Water Pollution Control Act (33
18 U.S.C. 125 et seq.) and related State programs.

19 “(5) SIGNIFICANT FEDERAL-AID HIGHWAY IM-
20 PROVEMENT.—The term ‘significant Federal-aid
21 highway improvement’ means the rehabilitation, re-
22 construction, reconfiguration, renovation, or major
23 resurfacing of an existing Federal-aid highway or as-
24 sociated facility that disturbs 5 or more acres of
25 land.

1 “(6) WATERSHED-BASED ENVIRONMENTAL
2 MANAGEMENT APPROACH.—The term ‘watershed-
3 based environmental management approach’ means
4 an approach under which—

5 “(A) the selection of solutions that prevent
6 or minimize the environmental impact of an in-
7 dividual project is made within the broader con-
8 text of the environmental protection and res-
9 toration goals of any watershed that drains the
10 project site, rather than selecting solutions sole-
11 ly based on site level considerations; and

12 “(B) priority consideration is given to—

13 “(i) protection of drinking water sup-
14 plies;

15 “(ii) protection and restoration of wa-
16 terways listed by a State as impaired in
17 accordance with section 303(d) of the Fed-
18 eral Water Pollution Control Act (33
19 U.S.C. 1313(d));

20 “(iii) preservation of aquatic eco-
21 systems and fisheries; and

22 “(iv) cost-effective expenditure of
23 Federal funds.”.

24 (b) EFFECTIVE DATE.—The provisions of this legis-
25 lation will be effective and applicable to construction of

1 Federal-Aid Highway projects as defined in subsection
2 (g)(2) 1 year after enactment.

3 (c) CLERICAL AMENDMENT.—The analysis for chap-
4 ter 3 is amended by adding at the end the following:

“330. Federal-aid highway runoff pollution management program.”.

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