



1 field-erected, aboveground storage tank systems, including  
2 tanks, piping, pumps, and related components, at bulk product  
3 facilities as defined in s. 376.031(3), Florida Statutes. The  
4 study's scope shall include, but need not be limited to:

5 (a) Evaluating the frequency, strength, and  
6 probability estimates for hurricane winds and storm surge on  
7 the coastal areas of the state where existing bulk product  
8 facilities are located and where new bulk product facilities  
9 are likely to be constructed.

10 (b) Evaluating the need and timing for requirements  
11 for the establishment of minimum ballast levels for  
12 field-erected, aboveground storage tanks at bulk product  
13 facilities based on the frequency, strength, and probability  
14 estimates for hurricane winds and storm surge, and based on  
15 levels calculated by a professional engineer specific to each  
16 individual field-erected, aboveground storage tank, taking  
17 into account the type of tank, the type of product stored,  
18 tank diameter, tank height, and other relevant factors.

19 (c) Evaluating the need and feasibility for  
20 requirements for:

21 1. Professionally engineered permanent anchoring  
22 systems for field-erected, aboveground storage tanks in  
23 high-risk surge zones.

24 2. Professionally engineered temporary cable tie-down  
25 systems, which could be preconstructed or prefabricated and  
26 retained in storage until needed, that would not interfere  
27 with normal daily operations and that could be set up in  
28 advance of an approaching storm.

29 (d) Evaluating the need for potential siting  
30 considerations or engineering mitigation that would prevent or  
31 limit the installation of new field-erected, aboveground

1 storage tank systems at bulk product facilities in areas that  
2 are potentially high-risk areas for hurricane winds and storm  
3 surge unless the systems are designed and engineered to  
4 withstand hurricane winds and storm surge.

5 (e) Identifying all current and proposed industry  
6 standards for professionally engineered dike fields  
7 surrounding field-erected, aboveground storage tanks at bulk  
8 product facilities, including standards for materials and  
9 designs that will withstand hurricane winds and storm surges  
10 yet allow access for emergency firefighting vehicles in  
11 accordance with industry reference standards contained in  
12 National Fire Protection Association publication NFPA No. 30.

13 (2) The study must include recommendations for  
14 changes, if needed, to aboveground storage tank system laws  
15 and agency rules in order to decrease damage from hurricanes  
16 and improve recovery of field-erected, aboveground storage  
17 tank systems after storm damage. All recommendations must be  
18 accompanied by a cost-benefit analysis, which shall include an  
19 analysis of:

20 (a) The costs for modifying existing field-erected,  
21 aboveground storage tank systems and dike fields, and the  
22 costs associated with new construction of field-erected,  
23 aboveground storage tank systems and dike fields, to meet any  
24 proposed new requirements.

25 (b) The potential adverse effect on petroleum  
26 inventory capacity in the state resulting from any proposed  
27 new requirements. All industry segments with field-erected,  
28 aboveground storage tanks, including, but not limited to,  
29 those used for petroleum and electric utility, must be  
30 included in the petroleum inventory capacity analysis.  
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1           (3) The department shall report the findings and  
2 recommendations of the study to the Governor, the President of  
3 the Senate, and the Speaker of the House of Representatives by  
4 March 1, 2008.

5           (4) The Department of Environmental Protection may use  
6 up to \$250,000 from the Inland Protection Trust Fund for the  
7 2006-2007 and 2007-2008 fiscal years for the cost of the study  
8 set forth in this section.

9           Section 2. Compilation and review of existing data and  
10 information relating to environmental risks associated with  
11 oil and natural gas exploration and production in the eastern  
12 Gulf of Mexico.--

13           (1) The Department of Environmental Protection shall  
14 compile and review existing data and information to evaluate  
15 the environmental risks from all activities associated with  
16 the possible future exploration for and production of oil and  
17 natural gas in the eastern Gulf of Mexico currently subject to  
18 federal moratoria. The department shall immediately request  
19 from the appropriate state agencies and private research  
20 institutes all available data and information necessary to  
21 complete this task. The appropriate state agencies shall  
22 submit the data and information to the department at the  
23 earliest possible date, and private research institutes are  
24 encouraged to submit relevant data and information to the  
25 maximum extent practicable. The department's effort shall  
26 include data and information available through appropriate  
27 federal executive branch agencies. To the maximum extent  
28 practicable, the department's efforts shall take into  
29 consideration current technologies for controlling discharges  
30 from oil and gas exploration rigs and production platforms and  
31 shall include, but need not be limited to:

1           (a) Evaluating the probability of a discharge from oil  
2 and gas exploration rigs and production platforms.

3           (b) Evaluating the magnitude of any probable discharge  
4 from oil and gas exploration rigs and production platforms.

5           (c) Evaluating the Gulf of Mexico currents and  
6 circulation patterns and the likelihood of any probable  
7 discharge's reaching the coastal waters and shorelines of the  
8 state.

9           (d) Evaluating the environmental impacts of any  
10 probable discharge on the fish and wildlife resources in the  
11 coastal waters of the state.

12           (2) The department shall report the findings of the  
13 evaluation to the Governor, the President of the Senate, and  
14 the Speaker of the House of Representatives within 120 days  
15 after the effective date of this act.

16           Section 3. This act shall take effect upon becoming a  
17 law.

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1                   STATEMENT OF SUBSTANTIAL CHANGES CONTAINED IN  
2                   COMMITTEE SUBSTITUTE FOR  
3                   Senate Bill 2708

4 The committee substitute provides for a study of exposure  
5 risks and potential adverse effects of hurricane wind and  
6 storm surge on field-erected, aboveground storage tank systems  
7 at bulk product facilities by the Department of Environmental  
8 Protection(DEP). Specifies the scope of the study. Requires  
9 the DEP to report to the Governor, the President of the  
10 Senate, and the Speaker of the House of Representatives by  
11 March 1, 2008. Provides that the DEP may use up to \$250,000  
12 from the Inland Protection Trust Fund for the cost of the  
13 study.

14 The committee substitute also requires the DEP shall compile  
15 and review existing data and information to evaluate the  
16 environmental risks from all activities associated with the  
17 possible future exploration for and production of oil and  
18 natural gas in the eastern Gulf of Mexico currently subject to  
19 federal moratoria. The DEP shall immediately request from the  
20 appropriate state agencies and private research institutes all  
21 available data and information be submitted to the department  
22 at the earliest possible date, and private research institutes  
23 are encouraged to submit relevant data and information  
24 available to the maximum extent practicable. The DEP's effort  
25 shall include data and information available through  
26 appropriate federal executive branch agencies. The DEP shall  
27 report the findings of the evaluation to the Governor, the  
28 President of the Senate, and the Speaker of the House of  
29 Representatives within 120 days after the effective date of  
30 the act.  
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