

# SENATE BILL NO. 1236

## 93RD GENERAL ASSEMBLY

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INTRODUCED BY SENATOR ENGLER.

Read 1st time March 1, 2006, and ordered printed.

TERRY L. SPIELER, Secretary.

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### AN ACT

To repeal sections 236.400, 236.410, 236.415, 236.420, 236.425, 236.435, 236.440, 236.445, 236.460, 236.465, and 236.500, RSMo, and to enact in lieu thereof eleven new sections relating to dam and reservoir safety, with penalty provisions.

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*Be it enacted by the General Assembly of the State of Missouri, as follows:*

Section A. Sections 236.400, 236.410, 236.415, 236.420, 236.425, 236.435, 236.440, 236.445, 236.460, 236.465, and 236.500, RSMo, are repealed and eleven new sections enacted in lieu thereof, to be known as sections 236.400, 236.410, 236.415, 236.420, 236.425, 236.435, 236.440, 236.445, 236.460, 236.465, and 236.500, to read as follows:

236.400. As used in sections 236.400 to 236.500, standards, rules and regulations promulgated hereunder, unless the context otherwise requires the following words and terms mean:

(1) ["Agricultural dam", any dam constructed to impound water for use in irrigation, livestock watering, or commercial fish rearing and sale;

(2) "Alterations", "repairs", or either of them, such alterations or repairs as affect the safety of a dam or reservoir, or public safety, life or property;

[(3)] (2) "Chief engineer", the head of the dam and reservoir safety program of the department of natural resources or his representative;

[(4)] (3) "Construction permit", a written authorization issued by the council giving the owner of a **high or significant hazard dam** the right to construct, alter, enlarge, reduce, repair or remove a dam or reservoir or appurtenances thereto, with such conditions as are necessary to adequately protect the public safety, life, property, the dam or reservoir;

[(5)] (4) "Dam", any artificial or manmade barrier, **including**

**EXPLANATION—Matter enclosed in bold-faced brackets [thus] in this bill is not enacted and is intended to be omitted in the law.**

16 **appurtenant works**, which does or may impound water, and [which  
17 impoundment has or may have a surface area of fifteen or more acres of water at  
18 the water storage elevation, or which is thirty-five feet or more in height from the  
19 natural bed of the stream or watercourse measured at the downstream toe of the  
20 barrier or dam, if it is not across a streambed or watercourse, together with  
21 appurtenant works. Sections 236.400 to 236.500 shall not apply to any dam  
22 which is not or will not be in excess of thirty-five feet in height or to any dam or  
23 reservoir licensed and operated under the Federal Power Act] is:

24 **(a) Six feet or more in height with a storage volume of at least**  
25 **fifty acre-feet of water; or**

26 **(b) Twenty-five feet or more in height with a storage volume of**  
27 **at least fifteen acre-feet of water;**

28 **For purposes of this definition, the height of the dam is measured**  
29 **either from the natural bed of the stream or watercourse at the**  
30 **downstream toe of the barrier or dam or the lowest point on the**  
31 **downstream toe of the dam, whichever is lower, up to the dam crest**  
32 **elevation. The storage volume is the amount of water stored in the**  
33 **reservoir below the dam crest elevation;**

34 **[(6)] (5) "Dam and reservoir safety council"**, as designated by sections  
35 236.400 to 236.500 and referred to as the "council" shall consist of seven members  
36 appointed by the governor according to the provisions of sections 236.400 to  
37 236.500;

38 **(6) "Dam crest elevation", the lowest elevation of the top surface**  
39 **of the dam exclusive of the spillway;**

40 **(7) "Director"**, the director of the department of natural resources of the  
41 state of Missouri;

42 **(8) "Enlargement"**, any change in or addition to an existing dam or  
43 reservoir which raises the height of a dam, increases the watershed for a  
44 reservoir, or raises the water storage elevation of the water impounded by a dam  
45 or reservoir;

46 **(9) "Experienced professional engineer"**, an engineer registered in the  
47 state of Missouri and experienced in hydraulics, hydrology and civil engineering  
48 as applied to dam design and construction;

49 **(10) "High hazard", loss of human life is probable or expected if**  
50 **the dam were to fail;**

51 **(11) "Low hazard", any dam that is not high or significant hazard;**

52           **(12)** "Maintenance", the proper keeping of all aspects of a dam or  
53 reservoir and appurtenances thereto, that pertain to safety, in a state of repair  
54 and working order as necessary to comply with sections 236.400 to 236.500, any  
55 permit hereunder, and protect public safety, life and property;

56           [(11)] **(13)** "Natural physical changes", those changes not directly or  
57 indirectly caused by man which affect the safety of the dam or reservoir;

58           [(12)] **(14)** "Operation", the physical changes, natural or manmade that  
59 occur or are made to a dam or reservoir, or operation of the mechanisms or  
60 appurtenances of the dam or reservoir, which affect or may affect public safety,  
61 life or property;

62           **(15) "Operation or operating permit", a permit issued to the**  
63 **owner of a high or significant hazard dam for a period of up to five**  
64 **years by the council indicating that the dam meets the requirements of**  
65 **sections 236.400 to 236.500 and the guidelines, standards, rules, and**  
66 **regulations issued under sections 236.400 to 236.500, and containing**  
67 **such conditions as to operations, maintenance, and repair as are**  
68 **necessary to protect public safety, life, and the dam or reservoir**  
69 **adequately;**

70           [(13)] **(16)** "Owner", a person who owns, controls, operates, maintains,  
71 manages, or proposes to construct a dam or reservoir including:

72           (a) The state and its departments, institutions, agencies, and political  
73 subdivisions, but not the United States government;

74           (b) A municipal or quasi-municipal corporation;

75           (c) A district;

76           (d) A public utility;

77           (e) A natural person, firm, partnership, association, corporation, political  
78 subdivision, or legal entity;

79           (f) The duly authorized agents, lessees, or trustees of any of the foregoing;

80           (g) Receivers or trustees appointed by any court for any of the foregoing;

81           [(14)] **(17)** "Permit", a construction **or operating**, safety, or registration  
82 permit;

83           [(15)] **(18)** "Permit applicant", an owner who applies for a construction[,  
84 safety or registration] **or operating** permit;

85           [(16)] **(19)** "Reduction", any decrease in the height of a dam, watershed  
86 size, or water storage elevation of the water impounded by a dam or reservoir;

87           [(17)] "Registration permit", a permit issued for a period not to exceed five

88 years by the council to the owner of a dam or reservoir in existence on September  
89 28, 1979, or which becomes subject to the provisions of sections 236.400 to  
90 236.500 for such dams and reservoirs which are in a properly maintained  
91 condition or which have made and complied with recommendations for corrections  
92 of observed defects of the dam or reservoir and have been examined and approved  
93 in accordance with sections 236.400 to 236.500 and standards, rules and  
94 regulations and guidelines issued pursuant to sections 236.400 to 236.500;

95 (18)] (20) **"Registration", a written statement submitted to the**  
96 **chief engineer on forms provided by the department, by the owner of**  
97 **a dam or reservoir, including the name of the legal owner, a contact**  
98 **person, the address of the legal owner and contact person, the height**  
99 **of the dam, the estimated reservoir storage volume at the dam crest**  
100 **elevation, and the general location of the dam;**

101 (21) "Reservoir", any impoundment which results from a dam as defined  
102 in sections 236.400 to 236.500;

103 [(19) "Safety permit", a permit issued to the owner for a period of five  
104 years, or less if safety considerations so require, by the council indicating that the  
105 dam meets the requirements of sections 236.400 to 236.500 and the guidelines,  
106 standards, rules and regulations issued pursuant to sections 236.400 to 236.500,  
107 and containing such conditions as to operations, maintenance and repair as are  
108 necessary to adequately protect public safety, life and the dam or reservoir;

109 (20)] (22) **"Significant hazard", no loss of human life expected if**  
110 **the dam were to fail, but significant economic losses or substantial**  
111 **damage to public services of infrastructure are probable or expected**  
112 **if the dam were to fail;**

113 (23) "Water", water, other liquid or tailings;

114 [(21)] (24) "Water storage elevation", that elevation of water surface at  
115 the principal spillway which could be obtained by the dam or reservoir were there  
116 no outflow and were the reservoir full of water;

117 [(22)] (25) "Watershed", the area, usually expressed in acres of square  
118 miles, that contributes or may contribute surface water to a reservoir.

236.410. 1. There is hereby created a "Dam and Reservoir Safety  
2 Council", whose domicile for the purposes of sections 236.400 to 236.500 shall be  
3 the department of natural resources of the state of Missouri, for the regulation  
4 of dam and reservoir safety. The council shall consist of seven members, no more  
5 than four of whom shall be members of the same political party, appointed by the

6 governor with the advice and consent of the senate.

7           2. The members of the council shall have a background of academic  
8 training or professional experience directly related to the design of dams and  
9 reservoirs. At least two members of the council shall be professional engineers  
10 registered in the state of Missouri, one of whom shall represent the general  
11 public; at least one member shall be an engineering geologist; at least one  
12 member, in addition to the professional engineer, shall be a representative of the  
13 general public; two members shall be from industry, one of whom shall be  
14 earthmoving contractors; and one member shall be the owner of a **high or**  
15 **significant hazard** dam or reservoir. The members shall serve for a term of two  
16 years; except, of the first appointments three shall be appointed for one year. The  
17 governor shall fill any vacancy on the council and may remove any appointed  
18 member for cause. The council shall annually elect a chairman and vice  
19 chairman from among its members. The council shall meet regularly but not less  
20 than quarterly. Special meetings and hearings may be called upon delivery of  
21 written notice to each member of the council signed by the director, the chief  
22 engineer, the council chairman or four of the council members. Four members of  
23 the council shall constitute a quorum to transact the business of the council. The  
24 council shall decide all questions by a majority vote of those present and  
25 constituting a quorum. The members of this council shall not receive any  
26 compensations other than for actual travel and subsistence when acting officially  
27 as members of the council.

236.415. 1. The council considering recommendations of the chief  
2 engineer shall, subsequent to a public meeting, adopt, subject to the approval of  
3 the director, the general technological guidelines and the standards, guidelines,  
4 rules and regulations applicable to permits, **hazard classification**, the design,  
5 construction, maintenance, operation, alteration, repair, enlargement, reduction,  
6 removal or natural physical changes that may occur to a dam or  
7 reservoir. Violations of guidelines, standards, rules and regulations are violations  
8 of sections 236.400 to 236.500 permitting the revocation, suspension, or refusal  
9 to issue any permit required by sections 236.400 to 236.500. No standards,  
10 guidelines, rules, or regulations shall be adopted, or any amendment or repeal  
11 thereof shall be effective, except after a public hearing to be held after thirty  
12 days' prior notice by advertisement or press release, and publication as required  
13 in chapter 536, RSMo, of the date, time and place of the hearing and opportunity  
14 given to the public to be heard.

15           2. At the hearing, opportunity to be heard by the council with respect to  
16 the subject thereof shall be afforded any interested person upon written request  
17 to the council, addressed to the chief engineer, received not later than seven days  
18 prior to the hearing and may be afforded to other persons if convenient. In  
19 addition, any interested person, whether or not heard, may submit, within seven  
20 days subsequent to the hearings, a written statement of his views. The council  
21 may solicit the views, in writing, of persons who may be affected by, or interested  
22 in, proposed rules and regulations, standards or guidelines. Any person heard  
23 or represented at the hearing or making written request for notice shall be given  
24 written notice of the action of the council with respect to the subject thereof.

25           3. The council upon hearing the recommendations of the chief engineer  
26 and reviewing the application for a construction or [registration] **operating**  
27 permit shall approve or deny the permit application. The council may delegate  
28 authority to approve or deny permit applications to the chief engineer, whose  
29 actions shall be subject to appeal to the council as provided in subsection 2 of  
30 section 236.425.

31           4. No standard, rule or regulation or guideline, or amendment or repeal  
32 thereof, adopted by the council shall be in force and effect until it has been  
33 approved in writing by the director and the requirements of chapter 536, RSMo,  
34 are satisfied. The affirmative vote of at least four members of the council shall  
35 be required for adoption.

36           **5. The council shall by affirmative vote establish the fees for**  
37 **permits required in this section by rule or regulation for the cost of**  
38 **renewal, design review, and inspection of high and significant hazard**  
39 **dams and shall review the fees at least once every three years.**

236.420. The council, with the advice and assistance of the chief engineer,  
2 shall carry out a state program of inspection of dams and reservoirs in accordance  
3 with regulations adopted by the council. All **high and significant hazard**  
4 dams and reservoirs in this state shall be inspected on a periodic basis to  
5 determine if they constitute a threat to public safety, life or property. The chief  
6 engineer shall submit reports to the director and the council concerning the  
7 condition of each dam or reservoir inspected, and recommendations as to any  
8 alterations or repairs needed.

236.425. 1. The chief engineer shall administer the provisions of sections  
2 236.400 to 236.500 by:

3           (1) Recommending [general] technological guidelines that pertain to the

4 design, construction, maintenance, operation, use, alteration, repair, enlargement,  
5 reduction, or natural physical changes of, or that may occur to, a dam or reservoir  
6 including their removal]; except that, detailed technical specifications shall not  
7 be promulgated to regulate the design, construction, operation, maintenance, use,  
8 alteration, repair or removal of a dam or reservoir]. Such guidelines shall not be  
9 effective until adopted by the council and approved by the director at a public  
10 meeting, after notice requirements set forth in subsection 1 of section 236.415  
11 herein have been satisfied;

12 (2) Making recommendations concerning the issuing, continuing in effect,  
13 revoking, modifying, suspending, or denying, under such conditions as prescribed  
14 by sections 236.400 to 236.500 and such rules as may be adopted to protect public  
15 safety, life, property, dams and reservoirs, construction permits for the  
16 construction, alteration, enlargement, reduction, repair or removal of **high and**  
17 **significant hazard** dams or appurtenances thereto, and [safety and  
18 registration] **operating** permits to insure continuing protection of public safety,  
19 life, property, dams and reservoirs, for all **high and significant hazard** dams  
20 subject to the provisions of sections 236.400 to 236.500;

21 (3) Making such investigations, including hearings, as are proper to  
22 protect public safety, life and property from an unsafe dam or reservoir, and to  
23 determine whether any permits should be issued, continued, revoked, modified,  
24 suspended, or denied or whether any violations of sections 236.400 to 236.500,  
25 standards, or rules or regulations have occurred or are occurring;

26 (4) Entering, at any reasonable time, any private or public premises as  
27 necessary to make an investigation or inspection of a dam or reservoir, or records  
28 kept, pertaining thereto, and such inspection shall follow reasonable notice to the  
29 owner given prior to such investigation or inspection except in the case of an  
30 emergency threatening public safety, life or property, in which case such  
31 inspection or investigation may be made without prior notice. A suitably  
32 restricted search warrant, upon a showing of probable cause in writing and upon  
33 oath, shall be issued by any judge having jurisdiction, to the chief engineer or his  
34 representative for the purpose of enabling him to make the inspection.

35 2. The council shall meet with or hear the appeal of a permit applicant  
36 and his representative upon request of the permit applicant if the chief engineer  
37 has rejected the application for a construction[, safety or registration] **or**  
38 **operating** permit.

236.435. 1. Prior to the commencement of the construction, alteration,

2 enlargement, reduction or removal of a **high and significant hazard** dam or  
3 reservoir, the owner shall apply to the council and upon satisfying the  
4 requirements of sections 236.400 to 236.500 and the rules, regulations and  
5 standards promulgated pursuant hereto, obtain a construction permit.

6           2. The application for a construction permit shall bear the seal and  
7 signature of an experienced professional engineer registered in Missouri [or  
8 employed by a qualified engineering division of a state or federal agency regularly  
9 engaged in dam construction for soil and water conservation, or irrigation or  
10 relating to wildlife conservation] and shall be accompanied by the design report  
11 and plans and specification of the proposed design, alteration, enlargement,  
12 reduction, repair or removal of the dam or reservoir.

13           3. Any person constructing or owning a **high and significant hazard**  
14 dam or reservoir, or living or owning property in an area affected, or whose safety  
15 may be affected by such dam or reservoir may consult with the chief engineer  
16 concerning such dam or reservoir.

17           4. The council upon hearing the recommendation of the chief engineer  
18 shall approve or deny an application for a construction permit within forty-five  
19 days after its receipt or the completion of any hearings in connection with such  
20 application, whichever is later. The permit shall be issued upon the receipt of the  
21 application if, in the judgment of the council, requirements of sections 236.400 to  
22 236.500 and all standards, rules and regulations hereunder are satisfied and the  
23 design will be adequate to protect the public safety, life and property.

24           5. The council upon hearing the recommendation of the chief engineer  
25 may reject the application if it decides that there is insufficient information to  
26 determine the safety of the proposed construction, alteration, enlargement,  
27 reduction or removal of the dam or reservoir or that the construction, alteration,  
28 enlargement, reduction or removal of the dam or reservoir would endanger public  
29 safety, life or property, or otherwise not comply with sections 236.400 to 236.500  
30 and any rules, standards, guidelines and regulations adopted hereunder.

31           [6. A landowner who now owns or proposes to construct an agricultural  
32 dam or reservoir which will be used primarily for agricultural purposes will be  
33 exempt from all provisions of sections 236.400 to 236.500. If the council with the  
34 advice of the chief engineer, determines that the dam or reservoir is no longer  
35 used primarily for agricultural services, it shall become subject to the provisions  
36 of sections 236.400 to 236.500.

37           7. Dams or their construction, alterations, enlargements, reductions or

38 removals designed by, and their construction, alteration, enlargement, reduction  
39 or repair or removal monitored by, a qualified engineer regularly engaged in dam  
40 construction for soil and water conservation or irrigation or relating to wildlife  
41 conservation are for the purposes of such construction or other listed actions  
42 exempt from the provisions of this section except that the plans for the dam shall  
43 be filed with the chief engineer prior to construction, or other listed  
44 action. Amended plans shall be filed at the completion of construction or other  
45 listed action if there have been significant deviations from the previously filed  
46 plans.]

236.440. 1. The owner shall notify the council upon completion of  
2 construction, alteration, enlargement, or reduction of the **high and significant**  
3 **hazard** dam or reservoir. This notification shall bear the seal and signature of  
4 an experienced professional engineer and shall be accompanied by an application  
5 for [a safety] **an operating** permit. The owner of any **high and significant**  
6 **hazard** dam or reservoir subject to the provisions of sections 236.400 to 236.500  
7 shall obtain [a safety] **an operating** permit following completion of construction.

8 2. Upon receipt of complete and proper application for [a safety] **an**  
9 **operating** permit, including notification of completion by the owner and  
10 certification by an experienced professional engineer that the new construction,  
11 alteration, enlargement or reduction has been completed in accordance with the  
12 provisions of the construction permit and sections 236.400 to 236.500, the council  
13 shall upon receipt of the application issue [a safety] **an operating** permit. The  
14 council upon advice of the chief engineer may deny the application if it  
15 determines that violations of the construction permit or sections 236.400 to  
16 236.500 exist. If revisions have been made which vary substantially from the  
17 provisions of the construction permit, it must be shown that the revisions do not  
18 endanger public safety, life or property. The [safety] **operating** permit for dams  
19 constructed pursuant to a construction permit issued under sections 236.400 to  
20 236.500, may contain conditions the council upon advice of the chief engineer  
21 determines are necessary for the protection of public safety, life and property and  
22 a schedule and timetable for the dam and reservoir to achieve compliance with  
23 the construction permit and provisions of sections 236.400 to 236.500, standards,  
24 rules and regulations promulgated hereunder, but such conditions shall not be  
25 more stringent or restrictive than those contained in the construction permit.

26 3. [Owners of dams and reservoirs in existence on September 28, 1979,  
27 shall obtain registration permits for dams of fifty to seventy feet in height within

28 four years, and for dams up to fifty feet in height within six years of September  
29 28, 1979, or as otherwise required by the provisions of sections 236.400 to 236.500  
30 and rules and regulations adopted hereunder. A registration] **An operating**  
31 permit shall be issued by the council upon the advice of the chief engineer for  
32 dams and reservoirs only after it is determined that the **high and significant**  
33 **hazard** dam meets the standards of sections 236.400 to 236.500 and rules and  
34 regulations hereunder, and any recommendations made by the inspecting  
35 engineer pursuant thereto.

36 4. **Owners of all dams in existence on or constructed after the**  
37 **effective date of this law who do not have a current registration or**  
38 **safety permit issued under the prior law shall register the existence of**  
39 **their dam with the chief engineer no later than six months after the**  
40 **effective date of the law, and the owners of high or significant hazard**  
41 **dams shall apply for an operating permit no later than one year after**  
42 **the effective date of this act, or at such other future time as the council**  
43 **shall adopt by rule.**

44 5. **Owners of a dam or reservoir licensed and operating under**  
45 **the Federal Power Act shall apply for an operating permit no later than**  
46 **three months after the effective date of this act.**

47 6. Upon complete and proper application for [a registration] **an**  
48 **operating** permit, on forms provided by the department of natural resources, by  
49 the owner of a **high and significant hazard** dam in existence upon September  
50 28, 1979, including a certification by an experienced professional engineer or an  
51 engineering division of a state or federal agency regularly engaged in dam  
52 construction for soil or water conservation, irrigation, or relating to wildlife  
53 conservation, that the dam has been inspected in accordance with sections  
54 236.400 to 236.500, standards, rules and regulations and guidelines promulgated  
55 hereunder, and that the owner has complied with the inspecting engineer's [or  
56 agency's] recommendations necessary to correct observed defects of the dam or  
57 reservoir, the council shall, upon receipt of the application, issue [a registration]  
58 **an operating** permit. The council upon hearing the recommendations of the  
59 chief engineer may deny the application if it determines that the owner has not  
60 complied with the inspecting engineer's [or agency's] recommendations.

61 [5.] 7. For **high and significant hazard** dams for which construction  
62 was completed prior to the effective date of the construction permit requirements  
63 hereunder, the [registration] **operating** permit may contain conditions the

64 council upon hearing recommendations of the chief engineer determines to be  
65 necessary to bring the dam and reservoir into compliance with sections 236.400  
66 to 236.500 and standards, rules and regulations promulgated hereunder.

67 [6.] 8. If a **high and significant hazard** dam or reservoir has been  
68 removed by the owner, the council shall issue a final approval upon notification  
69 by the owner and receipt of certification by an experienced professional engineer  
70 that the removal has been carried out in accordance with the provisions of the  
71 construction permit issued for such removal. Failure to obtain final approval  
72 shall be a violation of sections 236.400 to 236.500.

73 [7. The council shall issue safety permits for dams or their construction,  
74 alterations, enlargements, reductions or removals designed by, and their  
75 construction or other listed actions monitored by, a state or federal agency  
76 engaged in dam construction for soil and water conservation, irrigation or relating  
77 to wildlife conservation provided the owners obtain from such agency and file  
78 with the chief engineer a statement upon completion of the construction or other  
79 listed actions and at not greater than five year intervals, and with every  
80 application for renewal of a safety permit, that the dam conforms to the plans on  
81 file with the chief engineer and is in a safe, properly maintained condition.

82 8.] 9. The owner shall apply for renewal of [a safety or registration] **an**  
83 **operating** permit not less than sixty days prior to expiration of the previously  
84 issued permit. The chief engineer shall determine if the dam and reservoir are  
85 essentially as described in the latest permit issued for that dam and reservoir,  
86 whether they satisfy the requirements of sections 236.400 to 236.500 and any  
87 rules, regulations, standards and guidelines adopted pursuant to sections 236.400  
88 to 236.500 and whether any inspection conducted in connection with the permit  
89 renewal reveals any defect in the dam or reservoir which would threaten public  
90 safety, life or property. Unless the chief engineer determines that the dam and  
91 reservoir are not properly maintained, do not satisfy the requirements of the  
92 permit, act or rules, regulations, standards and guidelines promulgated  
93 hereunder, or that defects revealed by the inspection are not corrected, the  
94 council upon hearing the recommendations of the chief engineer shall issue or  
95 renew the [safety or registration] **operating** permit upon forty-five days of the  
96 receipt of a complete and proper application. The council may require the owner  
97 to furnish a certification, as a part of an application to renew a permit hereunder,  
98 by an experienced professional engineer [or a qualified engineering division of a  
99 state or federal agency regularly engaged in dam construction for water

100 conservation, irrigation or relating to wildlife conservation] that the dam is in a  
101 properly maintained condition and that any recommendation for correction of  
102 defects which violate sections 236.400 to 236.500, guidelines, rules, regulations  
103 and standards hereunder or which threaten public safety, life or property have  
104 been complied with and that the engineer detected no other such defects which  
105 have not been corrected.

106 [9.] **10.** If a barrier or water impoundment becomes a dam or reservoir  
107 through alteration or enlargement as defined herein, it shall be subject to the  
108 provisions of sections 236.400 to 236.500, **and the owner shall register the**  
109 **dam with the council immediately.**

110 **11. If downstream conditions change the hazard classification of**  
111 **any dam or reservoir, it shall be immediately subject to the provisions**  
112 **of sections 236.400 to 236.500 for that new class, and the owner shall**  
113 **notify the council of changed conditions within three months of that**  
114 **event.**

115 [10.] **12.** Failure to obtain and comply with a permit as required in this  
116 section is a violation of sections 236.400 to 236.500.

236.445. 1. If it is found that a **high or significant hazard** dam or  
2 reservoir presents a threat to public safety, life or property, or that the safety of  
3 the dam or reservoir is threatened, the permit for the dam or reservoir shall be  
4 suspended and shall be reinstated only when the owner at his expense has  
5 completed the necessary alteration or has established such operational procedures  
6 as the council upon hearing the recommendations of the chief engineer deems  
7 necessary for protection of the public safety, life, property, the dam or reservoir.  
8 If necessary for such protection, the council may require the owner at his expense  
9 to remove the dam or reservoir, or if the owner refuses or neglects to act, the  
10 state may alter or remove the dam or reservoir, and the chief engineer may  
11 recover the costs of such action as provided in section 236.450.

12 2. If the owner refuses to alter or remove a dam or reservoir as directed  
13 when found to be a threat as set forth in sections 236.400 to 236.500, he shall be  
14 in violation of sections 236.400 to 236.500 and the permit requirements  
15 hereunder, and such action shall subject the owner to the enforcement provisions  
16 contained herein and revocation of the permit.

236.460. 1. The owner shall notify the chief engineer upon the sale or  
2 other transfer of interest in a dam or reservoir, either existing or under  
3 construction, alteration or removal. The construction[, safety or registration] or

4 **operating** permit shall be transferred to the successive owner, **along with**  
5 **notification of the current hazard classification of the dam**, upon receipt  
6 of this notification and upon determination that such transfer will not endanger  
7 public safety, life, property, the dam or reservoir.

8 **2. Failure to notify the chief engineer of the transfer shall result**  
9 **in the prior owner retaining the obligations imposed by sections**  
10 **236.400 to 236.500 until such time as the chief engineer is notified. In**  
11 **the event that the prior owner is a corporation, failure to transfer**  
12 **ownership or interest because of the dissolution or bankruptcy of the**  
13 **corporation, the officers, directors, and stockholders, if any,**  
14 **individually shall have all obligations imposed to sections 236.400 to**  
15 **236.500.**

236.465. Irrespective of any other provisions of sections 236.400 to  
2 236.500, the following provisions shall apply to the construction, alteration or  
3 enlargement of tailing, slime and settling ponds and to other similar industrial  
4 water retention structures included within the definitions of dam or reservoir in  
5 section 236.400:

6 (1) Applications for construction[, safety or registration] **and operating**  
7 permits shall be submitted as provided in section 236.435 and section 236.440  
8 except that design plans and specifications which outline any anticipated  
9 enlargement of the industrial water retention structure shall be included;

10 (2) It shall not be necessary to reapply for a permit each time the  
11 structure is enlarged if the enlargement plans have been submitted in and  
12 approved with the original application, and the provisions of subdivision (3) of  
13 this section have been satisfied;

14 (3) Upon notification of the chief engineer, bearing the seal and signature  
15 of an experienced professional engineer, that the initial phase of construction has  
16 been completed in accordance with the provisions of the construction permit and  
17 sections 236.400 to 236.500, or if [a registration] **an operating** permit has been  
18 issued as provided in subdivision (1) of this section, and before any enlargement  
19 is begun, and if no violation of sections 236.400 to 236.500 can be shown, [a  
20 safety permit or a registration] **an operating** permit with special provisions that  
21 authorize the planned enlargement to the initially constructed structure shall be  
22 issued, on application, if enlargement plans were included and approved in the  
23 original application;

24 (4) It is not necessary to retain continuously a professional engineer after

25 the initial stage of construction;

26 (5) The dam shall be inspected by an experienced professional engineer  
27 registered in the state of Missouri as required to renew the [safety permit or  
28 registration] **operating** permit at five-year intervals unless safety of the public,  
29 life and property require a shorter period of time;

30 (6) The chief engineer shall make inspections of these structures as  
31 necessary to insure adequate protection for public safety, life and property;

32 [(7) Where it is shown that a tailings, slime and settling pond, or other  
33 similar water retention structure is subject to inspection for safety, using  
34 standards at least as stringent as those required under sections 236.400 to  
35 236.500, by a federal or state agency and the owner notifies the council that the  
36 structure is subject to such inspection, such structures shall be exempt from the  
37 provisions of sections 236.400 to 236.500.]

236.500. 1. Any person who willfully violates any of the provisions of  
2 sections 236.400 to 236.500 is guilty of a misdemeanor and, upon conviction, shall  
3 be punished by a fine of not less than five hundred dollars nor more than ten  
4 thousand dollars, or by confinement in the county jail for a term of not less than  
5 thirty days nor more than one year, or by both such fine and confinement.

6 2. In the event of a continuing violation, each day that the violation  
7 continues shall constitute a separate and distinct offense.

8 3. Any person who willfully obstructs, hinders or prevents the council, the  
9 chief engineer or his agents or employees from performing the duties imposed by  
10 sections 236.400 to 236.500 and rules and regulations promulgated hereunder or  
11 who willfully resists the council, the chief engineer or his agents in the  
12 performance of the duties imposed on them by sections 236.400 to 236.500 and  
13 rules and regulations promulgated hereunder is guilty of a misdemeanor and,  
14 upon conviction, shall be punished as provided in subsection 1 of this section.

15 4. Any owner who willfully engages in the construction, repair, alteration  
16 or removal of any **high or significant hazard** dam or reservoir without a  
17 construction permit or in violation of a construction permit or willfully violates  
18 the requirements of or for [a safety or registration] **an operating** permit is  
19 guilty of a misdemeanor and, upon conviction, shall be punished as provided in  
20 subsection 1 of this section.

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