

The Texas Commission on Environmental Quality (TCEQ, agency, or commission) adopts the amendments to §37.9045 and §37.9050.

The amendments to §37.9045 and §37.9050 are adopted *without changes* to the proposed text as published in the December 5, 2014, issue of the *Texas Register* (39 TexReg 9463) and will not be republished.

### **Background and Summary of the Factual Basis for the Adopted Rules**

The purpose of this rulemaking is to implement Senate Bill (SB) 347, 83rd Texas Legislature, 2013, and its amendments to Texas Health and Safety Code (THSC), Chapter 401 (also known as the Texas Radiation Control Act (TRCA)). The adopted amendments to Chapter 37 establish a new account, subject to appropriations, to fund an Environmental Radiation and Perpetual Care Account to replace the perpetual care account currently in rule.

Corresponding rulemaking is published in this issue of the *Texas Register* concerning 30 TAC Chapter 336, Radioactive Substance Rules.

### **Section by Section Discussion**

*§37.9045, Financial Assurance Requirements for Closure, Post Closure, and Corrective Action*

The commission adopts amended §37.9045(a)(5) and (6) to reflect that upon such time

that the Environmental Radiation and Perpetual Care Account is certified by legislation that all financial assurance proceeds that may be drawn upon shall be deposited to the Environmental Radiation and Perpetual Care Account rather than the perpetual care account.

*§37.9050, Financial Assurance Mechanisms*

The commission adopts the amendment to the insurance requirements under §37.9050(f)(4) and (11) by striking reference to the perpetual care account as the recipient of funds directly and instead adds a cross reference to §37.9045(a)(6) that acknowledges the Environmental Radiation and Perpetual Care Account upon certification by legislation.

**Final Regulatory Impact Analysis Determination**

The commission adopts the rulemaking action under the regulatory analysis requirements of Texas Government Code, §2001.0225, and determined that the action is not subject to Texas Government Code, §2001.0225 because it does not meet the definition of a "major environmental rule" as defined in the statute. A "major environmental rule" means a rule, the specific intent of which, is to protect the environment or reduce risks to human health from environmental exposure and that may adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, or the public health and safety of the state or a sector of the state. The adopted rulemaking action implements legislative

requirements in SB 347 regarding funding and subject to appropriation by the legislature of the Environmental Radiation and Perpetual Care Account. The adopted amendments to Chapter 37 are not anticipated to adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, or the public health and safety of the state or a sector of the state, because financial assurance and this fund was already required for these licensing programs. The amendments only change the name for the fund as administered by the commission and the commission will only be implementing an appropriation of the state budget from the legislature and following an order from the Texas Comptroller of Public Accounts. While there could be new costs associated with obtaining a financial assurance mechanism that meets the requirements of the adopted rules, the commission does not expect that the costs to adversely affect the economy, productivity, or competition in a material way.

Furthermore, the adopted rulemaking action does not meet any of the four applicability requirements listed in Texas Government Code, §2001.0225(a). Texas Government Code, §2001.0225 only applies to a major environmental rule, the result of which is to: 1) exceed a standard set by federal law, unless the rule is specifically required by state law; 2) exceed an express requirement of state law, unless the rule is specifically required by federal law; 3) exceed a requirement of a delegation agreement or contract between the state and an agency or representative of the federal government to implement a state and federal program; or 4) adopt a rule solely under the general powers of the agency instead of under a specific state law. The adopted rulemaking

action does not exceed a standard set by federal law, an express requirement of state law, a requirement of a delegation agreement, nor does it adopt a rule solely under the general powers of the agency.

THSC, Chapter 401, authorizes the commission to regulate the disposal of most radioactive substances in Texas. THSC, §§401.051, 401.103, 401.104, and 401.412 authorize the commission to adopt rules for the control of sources of radiation and the licensing of the disposal of radioactive substances. In addition, Texas is an "Agreement State" authorized by the United States Nuclear Regulatory Commission (NRC) to administer a radiation control program under the Atomic Energy Act of 1954, as amended (Atomic Energy Act). The adopted rules are compatible with federal law.

The adopted rules do not exceed an express requirement of state law. THSC, Chapter 401, establishes general requirements, including requirements for public notices, for the licensing and disposal of radioactive substances, source material recovery, and commercial radioactive substances storage and processing. The purpose of the rulemaking is to implement statutory requirements consistent with recent amendments to THSC, Chapter 401, as provided in SB 347.

The adopted rules are compatible with a requirement of a delegation agreement or contract between the state and an agency of the federal government. Texas has been designated as an "Agreement State" by the NRC under the authority of the Atomic

Energy Act. The Atomic Energy Act requires that the NRC find that the state radiation control program is compatible with the NRC requirements for the regulation of radioactive materials and is adequate to protect health and safety. Under the Agreement Between the United States Nuclear Regulatory Commission and the State of Texas for Discontinuance of Certain Commission Regulatory Authority and Responsibility Within the State Pursuant to Section 274 of the Atomic Energy Act of 1954, as amended, NRC requirements must be implemented to maintain a compatible state program for protection against hazards of radiation. The adopted rules are compatible with the NRC requirements and the requirements for retaining status as an "Agreement State."

These rules are adopted under specific authority of THSC, Chapter 401. THSC, §§401.051, 401.103, 401.104, and 401.412 authorize the commission to adopt rules for the control of sources of radiation and the licensing of the disposal of radioactive substances.

The commission invited public comment on the draft regulatory impact analysis determination during the public comment period. The commission did not receive any comments regarding this section of the preamble.

### **Takings Impact Assessment**

The commission evaluated these adopted rules and performed a preliminary assessment of whether the Private Real Property Rights Preservation Act, Texas Government Code, Chapter 2007 is applicable. The commission's preliminary assessment indicates that the

Private Real Property Rights Preservation Act does not apply to these adopted rules because these adopted rules implement SB 1604, 80th Texas Legislature, 2007 transferring certain regulatory responsibilities from the Department of State Health Services to the commission and is an action reasonably taken to fulfill an obligation mandated by federal law. Financial assurance is required for these licensing programs under the NRC's requirements.

Nevertheless, the commission further evaluated these adopted rules and performed a preliminary assessment of whether these adopted rules constitute a taking under Texas Government Code, Chapter 2007. The purpose of these adopted rules is to implement changes to the TRCA required by SB 347 for the deposit of funds into the Environmental Radiation and Perpetual Care Account. The adopted amendments to Chapter 37 would fund, subject to pending appropriation, by renaming the former perpetual care account, the Environmental Radiation and Perpetual Care Account.

Promulgation and enforcement of these adopted rules would be neither a statutory nor a constitutional taking of private real property. The adopted rules do not affect a landowner's rights in private real property because this rulemaking action does not constitutionally burden, nor restrict or limit, the owner's right to property and reduce its value by 25% or more beyond which would otherwise exist in the absence of the regulations.

### **Consistency with the Coastal Management Program**

The commission reviewed the adopted rules and found that they are neither identified in Coastal Coordination Act Implementation Rules, 31 TAC §505.11(b)(2) or (4), nor will they affect any action/authorization identified in Coastal Coordination Act Implementation Rules, 31 TAC §505.11(a)(6). Therefore, the adopted rules are not subject to the Texas Coastal Management Program (CMP).

The commission invited public comment regarding the consistency with the CMP during the public comment period. The commission did not receive any comments regarding this section of the preamble.

### **Public Comment**

The commission held a public hearing on January 13, 2015, at 10:00 a.m. in Austin, Texas, at the commission's central office located at 12100 Park 35 Circle. The comment period closed on January 20, 2015. No comments were received regarding the amendments to Chapter 37.

**SUBCHAPTER T: FINANCIAL ASSURANCE FOR RADIOACTIVE  
SUBSTANCES AND AQUIFER RESTORATION**

**§37.9045, §37.9050**

**Statutory Authority**

The amendments are adopted under specific authority of Texas Health and Safety Code (THSC), Chapter 401. THSC, §§401.051, 401.103, 401.104, and 401.412 authorize the commission to adopt rules for the control of sources of radiation and the licensing of the disposal of radioactive substances. In addition to the specific provisions of the Texas Radiation Control Act (TRCA), the amendments are adopted under Texas Water Code (TWC), §5.103, concerning Rules, and TWC, §5.105, concerning General Policy, which authorize the commission to adopt rules necessary to carry out its powers and duties under TWC and other laws of the state.

The adopted amendments implement Senate Bill 347, 83rd Texas Legislature, 2013, and its amendments to THSC, Chapter 401 (also known as the TRCA).

**§37.9045. Financial Assurance Requirements for Closure, Post Closure, and Corrective Action.**

(a) An owner or operator subject to this subchapter shall establish financial assurance for the closure, post closure, and corrective action of the facility that meets the requirements of this section, in addition to the requirements specified under

Subchapters A, B, C, and D of this chapter (relating to General Financial Assurance Requirements; Financial Assurance Requirements for Closure, Post Closure, and Corrective Action; Financial Assurance Mechanisms for Closure, Post Closure, and Corrective Action; and Wording of the Mechanisms for Closure, Post Closure, and Corrective Action).

(1) An owner or operator subject to this subchapter may use any of the mechanisms as specified in §37.9050 of this title (relating to Financial Assurance Mechanisms) to demonstrate financial assurance for closure, post closure, and corrective action. On a case-by-case basis, the executive director may approve other alternative financial assurance mechanisms.

(2) The executive director will respond within 60 days after receiving a written request for a financial assurance reduction in accordance with §37.151 of this title (relating to Decrease in Current Cost Estimate).

(3) An owner or operator may use multiple financial assurance mechanisms provided in §37.41 of this title (relating to Use of Multiple Financial Assurance Mechanisms), but must use only those financial assurance mechanisms as specified in §37.9050 of this title.

(4) The executive director may accept financial assurance established to meet requirements of other federal, state agencies, or local governing bodies for closure or post closure, provided such mechanism complies with the requirements of this chapter and the full amount of financial assurance required for the specific license is clearly identified and committed for use for the purposes of Chapter 336, Subchapters G, H, L, and M of this title (relating to Decommissioning Standards; Licensing Requirements for Near-Surface Land Disposal of Low-Level Radioactive Waste; Licensing of Source Material Recovery and By-Product Material Disposal Facilities; and Licensing of Radioactive Substances Processing and Storage Facilities).

(5) Proof of forfeiture must not be necessary to collect the financial assurance, so that in the event that the owner or operator does not provide acceptable replacement financial assurance within the required time prior to the expiration, cancellation, or termination of the financial assurance mechanism, the financial assurance provider shall pay the face amount of the financial assurance to the State of Texas for deposit as specified in paragraph (6) of this subsection.

(6) All financial assurance required under §§336.619, 336.736 - 336.738, 336.1125, and 336.1235 of this title (relating to Financial Assurance for Decommissioning; Liability Coverage and Funding for Disposal Site Closure and Stabilization; Funding for Institutional Control; Funding for Corrective Action; Financial Assurance Requirements; and Financial Assurance for Storage and

Processing) to be converted to cash by direction of the executive director pursuant to §37.101 of this title (relating to Drawing on the Financial Assurance Mechanisms) and paragraph (5) of this subsection shall be payable to the State of Texas for deposit to the credit of the perpetual care account or upon the Environmental Radiation and Perpetual Care Account being recreated and rededicated by legislation, then such financial assurance proceeds as described in this subsection shall be paid to the State of Texas for deposit to the credit of the Environmental Radiation and Perpetual Care Account.

(b) Financial assurance for aquifer restoration shall be provided in an amount no less than the cost estimate for aquifer restoration approved for each production area authorization. The executive director shall have discretion to apply financial assurance approved for one production area to the restoration of any other production area.

(c) The owner or operator shall comply with §37.71 of this title (relating to Incapacity of Owners or Operators, Guarantors, or Financial Institutions), except financial assurance must be established within 30 days after such an event.

**§37.9050. Financial Assurance Mechanisms.**

(a) An owner or operator may satisfy the requirements of a fully funded trust or standby trust fund as provided in §37.201 of this title (relating to Trust Fund), except

within 60 days following the executive director's final review and approval of closure or post closure expenditures for reimbursement, release of funds shall occur.

(b) An owner or operator may satisfy the requirements of a surety bond guaranteeing payment as provided in §37.211 of this title (relating to Surety Bond Guaranteeing Payment) except:

(1) the surety must also be licensed in the State of Texas;

(2) cancellation may not occur during the 90 days beginning on the date of receipt of the notice of cancellation; and

(3) the bond must guarantee that the owner or operator will provide alternate financial assurance within 30 days after receipt of a notice of cancellation of the bond.

(c) An owner or operator may satisfy the requirements of an irrevocable standby letter of credit as provided in §37.231 of this title (relating to Irrevocable Standby Letter of Credit), except:

(1) the letter of credit shall be automatically extended unless the issuer provides notice of cancellation at least 90 days before the current expiration date. Under

the terms of the letter of credit, the 90 days shall begin on the date when both the owner or operator and the executive director have received the notice, as evidenced by the return receipts; and

(2) in accordance with §37.231(h) of this title, the executive director shall draw on the letter of credit within 30 days after receipt of notice from the issuing institution that the letter of credit will not be extended, or within 60 days of an extension, if the owner or operator fails to establish and obtain approval of such alternate financial assurance from the executive director.

(d) A statement of intent may be used by a governmental entity subject to this subchapter. The statement of intent shall be subject to the executive director's approval and shall include the following:

(1) a statement that funds will be made immediately available upon demand by the executive director;

(2) the signature of an authorized official who has the authority to bind the governmental entity into a financial obligation, and has the authority to sign the statement of intent;

(3) name of facility(ies), license number, and physical and mailing addresses; and

(4) corresponding current cost estimates.

(e) An owner or operator may satisfy the requirements of financial assurance by establishing an external sinking fund as specified in this subsection. An external sinking fund has two components: a sinking fund account and a financial assurance mechanism such that the total of both equals, at all times, the current cost estimate. A sinking fund account is an account segregated from the owner's or operator's assets and is outside the owner's or operator's administrative control. As the value of the sinking fund account increases, the value of the second financial assurance mechanism decreases. When the external sinking fund account is equal to the current cost estimate, the second financial assurance mechanism will no longer be required to be maintained.

(1) An external sinking fund account shall be approved by the executive director and administered by a third party that is regulated and examined by a federal or state agency.

(2) The external sinking fund is established and maintained by setting aside funds periodically, at least annually.

(f) An owner or operator may satisfy the requirements of financial assurance by obtaining insurance that conforms to the requirements of this subsection, in addition to the requirements specified in Subchapters A and B of this chapter (relating to General Financial Assurance Requirements; and Financial Assurance Requirements for Closure, Post Closure, and Corrective Action), and submitting an originally-signed endorsement to the insurance policy to the executive director.

(1) At a minimum, the insurer on the policy must be authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and have a minimum financial strength rating of "A" and a financial size category of "XV" as assigned by the A.M. Best Company.

(2) The insurance policy must designate the commission as an additional insured.

(3) The owner or operator must maintain the policy in full force and effect until the executive director consents to termination of the policy. Failure to pay the premium, without substitution of alternate financial assurance as specified in this subchapter, shall constitute a violation of these regulations, warranting such remedy as the executive director deems necessary. Such violation shall be deemed to begin upon receipt by the executive director of a notice of future cancellation, termination, or failure

to renew due to nonpayment of the premium, rather than upon the date of expiration of the policy.

(4) The policy must provide that the insurer may not cancel, terminate, or fail to renew the policy except for failure to pay the premium. The automatic renewal of the policy shall, at a minimum, provide the insured with the option of renewal at the face amount of the expiring policy. If there is a failure to pay the premium, the insurer may elect to cancel, terminate, or fail to renew the policy by sending notice by certified mail to the owner or operator and the executive director. Cancellation, termination, or failure to renew may not occur, however, during 120 days beginning with the date of receipt of the notice by both the executive director and the owner or operator, as evidenced by the return receipts. The policy must also provide that the insurer shall pay the face amount of the insurance policy to the State of Texas for deposit as specified under §37.9045(a)(6) of this title (relating to Financial Assurance Requirements for Closure, Post Closure, and Corrective Action), if the executive director does not approve acceptable replacement financial assurance within 90 days of receiving notice by certified mail from the insurer of its election to cancel, terminate, or not renew the policy.

(5) The insurance policy may not contain an exclusion for intentional, willful, knowing, or deliberate noncompliance with a statute, regulation, order, notice, or government instruction.

(6) The wording of the endorsement to the insurance policy must be identical to the wording specified in §37.9052 of this title (relating to Endorsement).

(7) The insurance policy must be issued for a face amount at least equal to the current cost estimate for closure, post closure, or corrective action, except when a combination of mechanisms are used in accordance with §37.41 of this title (relating to Use of Multiple Financial Assurance Mechanisms). Actual payments by the insurer shall not change the face amount, although the insurer's future liability shall be lowered by the amount of the payments.

(8) The insurance policy must guarantee that funds shall be available to provide for closure, post closure, or corrective action of the facility. The policy shall also guarantee that once closure, post closure, or corrective action begins, the issuer shall be responsible for paying out funds, up to an amount equal to the face amount of the policy, upon the direction of the executive director, to such party or parties as the executive director specifies.

(9) An owner or operator or any other person authorized to perform closure, post closure, or corrective action may request reimbursement for closure, post closure, or corrective action expenditures by submitting itemized bills to the executive director. The request shall include an explanation of the expenses and all applicable

itemized bills. The owner or operator may request reimbursement for partial closure only if the remaining value of the policy is sufficient to cover the maximum costs of closing the facility over its remaining operating life. Within 60 days after receiving bills for closure, post closure, or corrective action activities, the executive director shall determine whether the closure, post closure, or corrective action expenditures are in accordance with the approved closure, post closure, or corrective action activities or are otherwise justified and, if so, shall instruct the insurer to make reimbursement in such amounts as the executive director specifies in writing. If the executive director has reason to believe that the maximum cost of closure, post closure, or corrective action over the remaining life of the facility will be greater than the face amount of the policy, the executive director may withhold reimbursement of such amounts as deemed prudent until the executive director determines, in accordance with Subchapters A and B of this chapter, that the owner or operator is no longer required to maintain financial assurance requirements for closure, post closure, or corrective action of the facility. If the executive director does not instruct the insurer to make such reimbursements, the executive director shall provide the owner or operator with a detailed written statement of reasons.

(10) Commencing on the date that liability to make payments pursuant to the policy accrues, the insurer will thereafter annually increase the face amount of the policy. Such increase must be equivalent to the face amount of the policy, less any payments made, multiplied by an amount equivalent to 85% of the most recent

investment rate or of the equivalent coupon issue yield announced by the United States Treasury for 26-week Treasury securities.

(11) Upon notification by the executive director that the institutional control period has begun, the insurer will pay the remaining face amount of the policy to the State of Texas for deposit as specified under §37.9045(a)(6) of this title.

(g) This subsection applies only to owner or operators required to provide financial assurance under Chapter 336, Subchapter M of this title (relating to Licensing of Radioactive Substances Processing and Storage Facilities). Owners or operators required to provide financial assurance under Chapter 336, Subchapter M of this title may satisfy the requirements of financial assurance by demonstrating that it passes a financial test as provided in §37.251 of this title (relating to Financial Test), except the owner or operator which has issued rated bonds must also meet the criteria of paragraphs (1) and (3) of this subsection, or the owner or operator which has not issued rated bonds must also meet the criteria of paragraphs (2) and (3) of this subsection.

(1) The owner or operator must have:

(A) tangible net worth of at least ten times the total current cost estimate (or the current amount required if a certification is used) for all closure activities;

(B) assets located in the United States amounting to at least 90% of total assets or at least ten times the total current cost estimate (or the current amount required if a certification is used) for all closure activities;

(C) a current rating for its most recent bond issuance of AAA, AA, or A as issued by Standard and Poor's, or Aaa, Aa, A as issued by Moody's; and

(D) at least one class of equity securities registered under the Securities Exchange Act of 1934.

(2) The owner or operator must have:

(A) tangible net worth greater than \$10 million, or of at least ten times the total current cost estimate (or the current amount required if a certification is used) for all closure activities, whichever is greater;

(B) assets located in the United States amounting to at least 90% of total assets or at least ten times the total current cost estimate (or the current amount required if a certification is used) for all closure activities;

(C) a ratio of cash flow divided by total liabilities greater than 0.15;

and

(D) a ratio of total liabilities divided by net worth less than 1.5.

(3) To demonstrate that the owner or operator meets the test, it must submit the following items to the executive director:

(A) a letter signed by the owner's or operator's chief financial officer and worded identically to the wording specified in §37.9025(a) of this title (relating to Wording of Financial Assurance Mechanisms); and

(B) a written guarantee, hereafter referred to as "self-guarantee," signed by an authorized representative which meets the requirements specified in §37.261 of this title (relating to Corporate Guarantee). The wording of the self-guarantee shall be acceptable to the executive director and must include the following:

(i) the owner or operator will fund and carry out the required closure or post closure activities, or upon issuance of an order by the executive director, the owner or operator will set up and fund a trust, as specified in §37.201 of this title in the name of the owner or operator, in the amount of the current cost estimates; and

(ii) if, at any time, the owner's or operator's most recent bond issuance ceases to be rated in any category of "A" or above by either Standard and Poor's or Moody's, the owner or operator will provide notice in writing of such fact to the executive director within 20 days after publication of the change by the rating service. If the owner's or operator's most recent bond issuance ceases to be rated in any category of "A" or above by both Standard and Poor's and Moody's, the owner or operator no longer meets the requirements of paragraph (1) of this subsection.

(h) This subsection only applies to owners or operators required to provide financial assurance under Chapter 336, Subchapter M of this title. A parent company controlling a majority of the voting stock of the owner or operator may satisfy the requirements of financial assurance by demonstrating that it passes a financial test as specified in §37.251 of this title, and by meeting the requirements of a corporate guarantee as specified in §37.261 of this title. The guarantor shall also comply with the requirements identified in this subsection.

(1) The wording of the corporate guarantee as specified in §37.361 of this title (relating to Corporate Guarantee) shall also include:

(A) the signatures of two officers of the owner or operator and two officers of the guarantor who are authorized to bind the respective entities; and

(B) the corporate seals.

(2) The guarantor shall also certify and submit to the executive director that the guarantor has:

(A) majority control of the owner or operator;

(B) full authority under the laws of the state under which it is incorporated and its articles of incorporation and bylaws to enter into this corporate guarantee;

(C) full approval from its board of directors to enter into this corporate guarantee; and

(D) authorization of each signatory.

(i) A parent company guarantee may not be used in combination with other financial assurance mechanisms to satisfy the requirements of this subchapter. A financial test by the owner or operator may not be used in combination with any other financial assurance mechanisms to satisfy the requirements of this subchapter or in any situation where the owner or operator has a parent company holding majority control of the voting stock of the company.