

modified the TS definitions and TS requirements for average planar linear heat generation rate. Additionally, TS Section 6.9.1.9 is revised to correct an error from a previous amendment that inadvertently removed a reference.

*Date of issuance:* October 20, 2004.

*Effective date:* As of the date of issuance, to be implemented within 60 days.

*Amendment No.:* 154.

*Facility Operating License No. NPF-57:* This amendment revised the TSs.

*Date of initial notice in Federal Register:* February 17, 2004 (69 FR 7528). The June 8, 2004 letter provided clarifying information that did not change the initial proposed no significant hazards consideration determination or expand the application beyond the scope of the original **Federal Register** notice.

The Commission's related evaluation of the amendment is contained in a Safety Evaluation dated October 20, 2004.

*No significant hazards consideration comments received:* No.

Dated in Rockville, Maryland, this 1st day of November 2004.

For the Nuclear Regulatory Commission.

**Ledyard B. Marsh,**

*Director, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.*

[FR Doc. 04-24804 Filed 11-8-04; 8:45 am]

BILLING CODE 7590-01-P

## NUCLEAR REGULATORY COMMISSION

### Notice of Availability of Interim Staff Guidance Documents For Fuel Cycle Facilities

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Notice of availability.

#### FOR FURTHER INFORMATION CONTACT:

Wilkins Smith, Project Manager, Technical Support Group, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20005-0001. Telephone: (301) 415-5788; fax number: (301) 415-5370; e-mail: [wrs@nrc.gov](mailto:wrs@nrc.gov).

#### SUPPLEMENTARY INFORMATION:

##### I. Introduction

The Nuclear Regulatory Commission (NRC) plans to issue Interim Staff Guidance (ISG) documents for fuel cycle facilities. These ISG documents provide clarifying guidance to the NRC staff when reviewing either a license

application or a license amendment request for a fuel cycle facility under 10 CFR part 70. The NRC is soliciting public comments on the ISG documents which will be considered in the final versions or subsequent revisions.

##### II. Summary

The purpose of this notice is to provide the public an opportunity to review and comment on a draft Interim Staff Guidance document for fuel cycle facilities. Interim Staff Guidance-09 provides guidance to NRC staff relative to the requirements associated with the use of Initiating Event Frequencies (IEFs) for demonstrating compliance with the performance requirements of 10 CFR 70.61.

##### III. Interim Staff Guidance-09, Initiating Event Frequency, Draft October 20, 2004 Issue

This guidance addresses the measures needed to assure the validity and maintenance of initiating event frequencies (IEFs) used to demonstrate compliance with the performance requirements for 10 CFR 70.61.

##### Introduction

The purpose of this Interim Staff Guidance (ISG) is to clarify the use of IEFs for demonstrating compliance with the performance requirements of 10 CFR 70.61. NUREG-1718, "Standard Review Plan for the Review of an Application for a Mixed Oxide (MOX) Fuel Fabrication Facility," and NUREG-1520, "Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility," provide methods for reviewing integrated safety analyses (ISAs), employing a semi-quantitative risk index method. While one of these methods is used below to illustrate the use of IEFs, applicants and licensees may use other methods which would produce similar results. There is no particular method explicitly mandated, and sequences that are risk significant or marginally acceptable are candidates for more detailed evaluation by the applicant or licensee and reviewer.

##### Discussion

Each licensee or applicant is required to perform an ISA to identify all credible high-consequence and intermediate-consequence events. The risk of each such credible event is to be limited through the use of appropriate engineered and/or administrative controls to meet the performance requirements of 10 CFR 70.61. Such a control is referred to as an item relied on for safety (IROFS). In turn, a safety program must be established and maintained to assure that each IROFS is

available and reliable to perform its intended function when needed. The safety program may be graded such that management measures applied are graded commensurate with the reduction of risk attributable to that item. In addition, a configuration management system must be established pursuant to § 70.72, to evaluate changes, to assure, in part, that the IROFS are not removed without at least equivalent replacement of the safety function.

The risk of each credible event is determined by cross-referencing the severity of the consequence of the unmitigated accident sequence with the likelihood of occurrence in a risk matrix with risk index values. The likelihood of occurrence risk index values can be determined by considering the criteria in NUREG-1520, Tables A-9 through A-11. Accident sequences result from initiating events which are followed by the failure of one or more IROFS. Initiating events can be (1) an external event such as a hurricane or earthquake, (2) a facility event external to the process being analyzed (*e.g.*, fires, explosions, failures of other equipment, flooding from facility water sources), (3) deviations from normal operations of the process (credible abnormal events), or (4) failures of an IROFS in the process. Additional guidance regarding initiating probabilities from natural phenomena hazards are addressed in ISG-08, *Natural Phenomena Hazards*.

An initiating event does not have to be an IROFS failure. An item only becomes an IROFS if it is credited in the ISA for mitigation or prevention per the definition in § 70.4. If an item, whose failure initiates an event, has strictly an operational function, it does not have to be an IROFS. This applies to external events and can apply to internal events. If the item whose failure initiates an event, has solely a safety function that is credited in the ISA, then it should be an IROFS. If the item has both an operational and a safety function, the safety function should make it an IROFS (for its ISA credited safety features only).

IEFs can play a significant role in determining whether the performance requirements of § 70.61 are met for a particular accident sequence. Whether an initiating event is due to an IROFS or a non-IROFS failure, licensees should take appropriate action to assure that any change to the basis for assigning an IEF value to that event is evaluated on a continuing basis to ensure continued compliance with the performance requirements. For example, a non-IROFS component may not be subject to the same QA program controls and other management measures that an IROFS

would receive (i.e., surveillance, testing, procurement, etc.). However, appropriate management controls should be considered, in a graded manner, to provide assurance that performance requirements are met over time. The ability to identify a non-IROFS component failure, similar to that for IROFS, may be needed to provide feedback on failure rates and IEFs to the ISA process. Changes to the IEF values may result from changes to a component's design, procurement, operation, or maintenance history, as well as new or increased external plant hazards, and should be considered in a graded approach.

#### Regulatory Basis

10 CFR 70.61, Performance Requirements.

10 CFR 70.62, Safety Program and Integrated Safety Analysis.

10 CFR 70.65, Additional Content of Applications.

10 CFR 70.72, Facility Changes and Change Process.

#### Applicability

This guidance is for use in those cases where an applicant or licensee chooses to use an IROFS or non-IROFS failure IEF for risk determination.

#### Technical Review Guidance

##### 1. IEF and Identification of an IROFS

*Example.* A licensee uses a heater/blower unit to heat a UF<sub>6</sub> cylinder in a hot box to liquify the contents prior to sampling. The unmitigated accident sequence involves the failure of the controller for the heater/blower resulting in overheating the cylinder. This results in the cylinder becoming overpressurized and rupturing, releasing the UF<sub>6</sub> to the surrounding process area. Such a release is analyzed to exceed the performance requirements of § 70.61. The licensee has two basic choices: (1) Assume the initiating event probability =1 and provide an appropriate level of mitigation or prevention solely through one or more IROFS, or (2) assign a value to the initiating event (blower/heater controller failure) and provide one or more preventive or mitigative IROFS to bring the accident sequence risk within the performance requirements.

If the licensee chooses (2) above and assigns an appropriate value to the IEF, the indices of NUREG-1520, Table A-9, Failure Frequency Index Number, may be used. The controller for the heater/blower unit would be assigned an appropriate Frequency Index Number. The licensee would then analyze the accident sequence and determine whether additional IROFS are necessary

to meet the performance requirements. There are now two variables that feed into the risk determination: one or more IROFS failure frequencies and the IEF of the non-IROFS controller for the heater/blower unit. Changes to the initiating event that impact the IEF of the non-IROFS controller for the heater/blower unit in a manner that changes the licensee's previous determination of compliance with the performance requirements must be evaluated per § 70.72(a).

##### 2. IEF Index Use

Indices may be used to determine the overall likelihood of an accident sequence. NUREG-1520, Table A-9, Failure Frequency Index Numbers, identifies frequency index numbers based on specified evidence. The evidence used by applicants and licensees should be supportable and documented in the ISA summary as required by § 70.65(b)(4). The evidence cited in the ISA documentation should not be limited to anecdotal accounts and must demonstrate compliance with the descriptive definitions of unlikely, highly unlikely, and credible, as required by § 70.65(b)(9). The rigor and specificity of the documented evidence should be commensurate with the item's importance to safety, and the data should support the frequency chosen (e.g., data from 30 years of plant operating experience based on a single component typically could not be expected to support a 10 E-2 failure probability).

An item's failure rate should be determined from actual data for that specific component or safety function in the current system design under the current environmental conditions. When specific failure data is limited or not available, the applicant or licensee may use more "generic" data with appropriate substantiation. However, when less specific failure data is available, appropriate conservatism should be exercised in assigning frequency indices. The footnote to Table A-9 that states "indices less than (more negative than) -1 should not be assigned to IROFS unless the configuration management, auditing and other management measures are of high quality, because without those measures, the IROFS may be changed or not maintained," should also be applied to non-IROFS IEFs. In this case, appropriate management controls should be provided to assure that any changes to the evidence supporting IEF indices will be identified and promptly evaluated to ensure that the performance requirements of § 70.61 are met. A graded approach may be used in

applying management controls based on the IEF values; however, how this will be done should be identified in the ISA Summary.

Possible changes to IEFs, failure rates, and the assumptions they are based on should be periodically evaluated by the licensee to assure that any change to an IEF has been accounted for in the ISA process. Over time an IEF may change because of component aging or deterioration. Maintenance and performance experience should be fed back into the IEF evaluation. IEF changes could involve, for example, the introduction of new or hazards from nearby processes or new materials, changes in design, maintenance, or operation activities, etc. The applicant or licensee should establish management measures, which may be graded, to periodically confirm that there have been no changes to the ISA assumptions. For example, an applicant or licensee may choose to verify that there have been no changes to hazards from maintenance activities during a certain period of time based on an appropriate documented technical review or audit under the QA program.

Whatever strategy the applicant or licensee chooses to employ should have an outcome of timely identification, and periodic evaluation, of failure rates followed by a prompt evaluation of the failure rate change on the ISA assumptions. This can be accomplished in accordance with the corrective maintenance program and/or the Quality Assurance (QA) problem identification and corrective action system.

Indices particularly relied upon (i.e., < -1) for overall likelihood will be reviewed during the ISA review process.

##### 3. External IEFs

Possible changes to non-natural phenomena external events should be periodically evaluated by the licensee to assure that any change to an IEF has been accounted for in the ISA process. Such changes could involve, for example, the introduction of new hazards from an adjoining industrial site, changes in adjoining transportation activities, etc. The applicant or licensee should establish management measures, which may be graded, to periodically confirm that there have been no changes to the ISA assumptions. For example, an applicant or licensee may choose to verify that there have been no changes to outside hazards based on a two- to three-year review under the QA program.

## 4. Assurance

The Safety Program required by § 70.62(a) should have provisions for implementing the appropriate management controls to maintain the validity of the IEFs. Consideration should also be given to commitments in the QA program or a specific license condition.

**References**

- U.S. Code of Federal Regulations, title 10, part 70, "Domestic Licensing of Special Nuclear Material," U.S. Government Printing Office, January 1, 2003.
- NUREG-1520, "Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility," U.S. Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards, March 2002.
- NUREG-1718, "Standard Review Plan for the Review of an Application for a Mixed Oxide (MOX) Fuel Fabrication Facility," U.S. Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards, August 2000.

**IV. Further Information**

Comments and questions should be directed to the NRC contact listed above by December 9, 2004. Comments received after this date will be considered if it is practical to do so, but assurance of consideration cannot be given to comments received after this date.

Dated in Rockville, Maryland, this 3rd day of November, 2004.

For the Nuclear Regulatory Commission.

**Melanie A. Galloway,**

*Chief, Technical Support Group, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards.*

[FR Doc. 04-24890 Filed 11-8-04; 8:45 am]

**BILLING CODE 7590-01-P**

**POSTAL RATE COMMISSION****Briefing on New Postal Service Rollforward Model**

**AGENCY:** Postal Rate Commission.

**ACTION:** Notice of public briefing.

**SUMMARY:** The Postal Service will present a briefing and demonstration of its new PC-based rollforward model software on Tuesday, November 16, 2004 at 10 a.m. in the Commission's hearing room. The briefing will address the history of the Postal Service's rollforward model, reasons why the new version was developed, and components of the new model. A question-and-answer session will follow. The meeting is open to the public.

**DATES:** Tuesday, November 16, 2004.

**ADDRESSES:** Postal Rate Commission (hearing room), 1333 H Street NW., Washington, DC 20268-0001, Suite 300.

**FOR FURTHER INFORMATION CONTACT:** Stephen L. Sharfman, General Counsel, 202-789-6818.

**SUPPLEMENTARY INFORMATION:****Regulatory History**

69 FR 7530, February 17, 2004.

Earlier this year, the Postal Rate Commission gave a public demonstration of the new computer software model it has developed to handle the cost model/rollforward function in rate cases. The Postal Service has likewise been involved in updating its rollforward software. For the Postal Service, this would mean moving from a mainframe platform to a PC-based platform. This presentation will be quite similar in content and format to that provided by the Commission. As with the Commission's new software, the primary purpose of the Postal Service's new model is not to change the substance of the rollforward methodology, but rather to perform the same computational operations and achieve the same results using a different computer platform. The demonstration will use the rollforward model from the last omnibus rate case to illustrate how the model works.

The Postal Service anticipates having a version of the model available on the Commission's Web site, <http://www.prc.gov>, so that interested observers can load the model and follow along on their own computers. There are a limited number of computer outlets in the hearing room which will be available for use during the presentation. Interested persons should contact Steven W. Williams at 202-789-6842.

**Steven W. Williams,**

*Secretary.*

[FR Doc. 04-24943 Filed 11-8-04; 8:45 am]

**BILLING CODE 7710-FW-P**

**SECURITIES AND EXCHANGE COMMISSION**

[Release No. 34-50622; File No. SR-BSE-2004-25]

**Self-Regulatory Organizations; Boston Stock Exchange, Inc.; Order Approving a Proposed Rule Change and Amendment Nos. 1, 2 and 3 Thereto and Notice of Filing and Order Granting Accelerated Approval to Amendment No. 4 Thereto Relating to the Specialist Performance Evaluation Program**

November 2, 2004.

**I. Introduction**

On June 21, 2004, the Boston Stock Exchange, Inc. ("BSE" or "Exchange") filed with the Securities and Exchange Commission ("Commission"), pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 ("Act")<sup>1</sup> and Rule 19b-4 thereunder,<sup>2</sup> a proposed rule change to amend its rules concerning its Specialist Performance Evaluation Program ("SPEP"). On July 26, 2004, the BSE submitted Amendment No. 1 to the proposed rule change.<sup>3</sup> On August 25, 2004, the BSE submitted Amendment Nos. 2<sup>4</sup> and 3<sup>5</sup> to the proposed rule change. The proposed rule change, as amended by Amendment Nos. 1, 2 and 3, was published for comment in the **Federal Register** on September 3, 2004.<sup>6</sup> The Commission received no comments on the proposed rule change.

On October 15, 2004, the BSE submitted Amendment No. 4 to the proposed rule change.<sup>7</sup> This order

<sup>1</sup> 15 U.S.C. 78s(b)(1).

<sup>2</sup> 17 CFR 240.19b-4.

<sup>3</sup> See letter from John Boese, Vice President, Chief Regulatory Officer, BSE, to Nancy Sanow, Assistant Director, Division of Market Regulation ("Division"), Commission, dated July 22, 2004 and accompanying Form 19b-4 ("Amendment No. 1"). Amendment No. 1 replaced and superceded the originally filed proposed rule change.

<sup>4</sup> See letter from John Boese, Vice President, Chief Regulatory Officer, BSE, to Nancy Sanow, Assistant Director, Division, Commission, dated August 18, 2004 ("Amendment No. 2"). Amendment No. 2 replaced and superceded BSE Rule Chapter XV, Section 17, Paragraph (a) of the previously filed proposed rule change.

<sup>5</sup> See letter from John Boese, Vice President, Chief Regulatory Officer, BSE, to Nancy Sanow, Assistant Director, Division, Commission, dated August 19, 2004 ("Amendment No. 3"). Amendment No. 3 replaced and superceded BSE Rule Chapter XV, Section 17, Paragraph (a) of the previously filed proposed rule change.

<sup>6</sup> See Securities Exchange Act Release No. 50287 (August 27, 2004), 69 FR 53966.

<sup>7</sup> See letter from John Boese, Vice President, Chief Regulatory Officer, BSE, to Nancy Sanow, Assistant Director, Division, Commission, dated October 6, 2004 ("Amendment No. 4"). In Amendment No. 4, the BSE proposed permanent approval of the SPEP by deleting Paragraph (f) of Chapter XV, Dealer-Specialists, Section 17, Specialist Performance