

EXPERIMENT SAFETY REVIEW

RHIC PROJECT

The Experiment Safety Committee Review Procedure ensures proper design and operation of all experiments prior to their commencement.

I. EXPERIMENT SAFETY REVIEW PROCEDURE AND COMMITTEE

- A. The Project Director shall also establish an independent Experiment Safety Committee to review experiments for potential environment, safety and health hazards before they are performed. The Experiment Safety Committee Chair shall establish a written Experiment Safety Review Procedure. Changes outside of an established safety envelope shall be formally reviewed prior to implementation.
- B. The Project Director shall establish a written Experiment Safety Review Procedure to assure all proposed and modified experiments outside of an established envelope are formally reviewed by an independent committee before they are performed. The Project Director shall also establish an Experiment Safety Committee to review experiments with significant potential environmental and safety hazards.
- C. The Project Director has appointed the following people to the RHIC Experiment Safety Committee:

		<u>Appointment Date</u>
Y. Makdisi	Chairman	<u>10/04/95</u>
D. Beavis	Physicist	<u>02/11/98</u>
W. Christie	STAR ES&H Coordinator	<u>08/17/98</u>
A. Etkin	ES&H Coordinator Ex Officio	<u>10/04/95</u>
K. Foley	Physicist	<u>10/04/95</u>
M. Gaffney	SHSD Systems Safety Engineer	<u>01/04/99</u>
R. Lambiase	Electrical Engineer	<u>10/04/95</u>

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Tue, Feb. 29, 2000 - VALID FOR FIVE (5) WORKING DAYS

		Appointment Date
J. Levesque	SHSD Fire Protection Engineer	10/04/95
W. McGahern	PHENIX ES&H Coordinator	12/31/97
B. Miller	Operational Readiness	08/17/98
J. Mills	Mechanical Engineer	10/04/95
S. Musolino	Assistant to RHIC Director for ES&H Ex Officio	10/04/95
A. Pendzick	System Engineering	10/04/95
G. Schroeder	Environmental Compliance Representative	05/01/99
L. Stiegler	Facility Support Representative Ex Officio	11/01/97

- D. The Project Experiment Safety Review Procedure shall be approved by the Project Director and shall be reviewed and concurred with by the Safety and Health Services Division (SHSD) Head or his designee. A copy of the Experiment Safety Review Procedure is located in the RHIC Operation Procedures Manual, OPM 9.16 Conventional ES&H Review of RHIC Experiments.
- E. The Experiment Safety Review Procedure shall establish an envelope of acceptable parameters for experiments. This allows the Experiment Safety Committee to set criteria for sub-committee or full committee review and action. Only those experiments outside of the envelope of acceptable parameters shall require formal approval by the Experiment Safety Committee. Those experiments falling within the safety envelope shall be acknowledged and approved by the Chairman of the Experiment Safety Committee (or designee). All reviews must include a field verification.
- F. All experiments and modifications of existing experiments outside of the established envelope need to be submitted for review. The Experiment Safety Committee will issue guidelines on the format of the submission.
- G. All experiments, including those proposed by visiting researchers, must be included in the review process.
- H. The Project Director shall assure that all experiments be reviewed periodically or when modifications are made. This review must include a field verification.

II. COMMITTEE CHARGE

The RHIC Experiment Safety Committee shall review conventional aspects of the design and construction of experimental facilities and systems for compliance with environment, safety and health requirements. They shall convene at the request of the Project Director, Associate Head/Detectors and Experiments, Project Engineer or Physicist. They shall act as a consultant to assist designers with the development of safety systems. They shall review system operating procedures for compliance with ES&H requirements.

III. EXPERIMENT PROPOSALS

- A. The Experiment Project Director responsible for the experiment, in conjunction with the staff, Experiment Safety Committee Chairman and the Assistant to the RHIC Project Director for ES&H, shall develop a written plan that will address at a minimum:
 - 1. Proposal requirements as specified in ES&H Standard "Planning and Control Experiments."
 - 2. All other subject matter stated in OPM 9.16

IV. APPROVAL

- A. The Chairman of the Experiment Safety Committee will make a determination if the experiment/modification is within the established safety envelope. If it is, the Chairman (or designee) may approve experiment or modification. If not, it must be submitted to the Experiment Safety Committee for review and establishment of a new/modified safety envelope. The Project Experiment Safety Committee shall establish the method of documentation necessary.
- B. After review, the Experiment Safety Committee shall make recommendations to the Project Director to approve or disapprove the proposed experiment or system/subsystem.
- C. The Experiment Safety Committee shall maintain documentation of all reviewed experiments, including minutes or actions taken by the Committee and rationale for approval or disapproval.
- E. Approvals shall be time limited and be re-reviewed if modifications are made as deemed appropriate by the Project.

APPROVED _____
Satoshi Ozaki
RHIC Project Director

6/14/99
DATE _____