



Department of Energy
Office of Science
Brookhaven Site Office
P.O. Box 5000
Upton, New York 11973

September 15, 2022

Dr. Steven Coleman
Associate Laboratory Director, Environment Safety & Health
Brookhaven Science Associates, LLC
Brookhaven National Laboratory
Upton, NY 11973

Dear Dr. Coleman:

SUBJECT: APPROVAL TO CONDUCT MAGNET COOLDOWN, MEASUREMENTS AND TESTING OF THE SPHENIX DETECTOR MAGNET

Reference: Letter from S. Coleman, BSA, to R. Gordon, SC-BHSO, Subject: Request for Approval to Conduct Magnet Cooldown, Measurements and Testing of the sPHENIX Detector Magnet and Comment Resolution Follow-Up, dated September 10, 2022

The Brookhaven Site Office (BHSO) has reviewed and approves Brookhaven Science Associates (BSA's) request to Conduct Magnet Cooldown, Measurements and Testing of the sPHENIX Detector Magnet until December 31, 2022.

BHSO's approval is contingent upon the following:

1. The Dual Chain Oxygen Deficiency Hazards (ODH) Monitoring and Alarming System with Backup Power will be operational;
2. Both 27,000 cfm (minimum) ventilation fans are operational and connected to diesel generator backup power;
3. Both supply air and exhaust air ventilation fan louvers will be secured in the full open position;
4. BSA will provide BHSO with written and visual confirmation that each of the fan louvers have been secured in the open position and will remain that way until measurement and testing is complete and the ODH potential is no longer present; and
5. Prior to the Accelerator Readiness Review, BSA will ensure the damper motors and fan louver linkages to the supply and exhaust ventilation system are fully operational.

Please direct any questions or concerns related to these issues to Gary Olson, of my staff, at extension 3433.

Sincerely,

Robert P. Gordon
Site Manager

cc: J. Serra, SC-4, GTN
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