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Collider-Accelerator Department ESHQ Year-End Summary (FY00)

C-A Department efforts to reduce lost workday and recordable injury rates were successful. The lost-work case-rate and the injury rate continued downward at a rate of three-fold reduction every 10 years. The C-A lost-work day and recordable injury rates are currently below the DOE and BNL averages.

Collective dose continues to trend downward, and the Department is within its collective-dose goal for CY00. Although the mix of physics programs has changed, there was a decrease in dose per particle accelerated.

Reportable occurrences continue to trend downward showing a factor of four decline every 10 years. Recent occurrences relate to legacy issues detected by BNL's expanded groundwater monitoring program. Improvements at C-A facilities include new rainwater barriers and a new design standard to prevent rainwater infiltration at activated soil locations.

The percent of training requirements completed increased to 95% complete. Additionally, the Department has successfully worked to accommodate the training needs of the new AGS/RHIC Users Center. Currently, the Department has undertaken a review of Job Training Assessments for all C-A employees to ensure appropriate training is assigned.

The C-A Department continued its pollution prevention initiatives and reduced radioactive waste, tritium, uranium and lead inventories. Water consumption and the use of chemicals for cooling water treatment were also significantly reduced.

The C-A Department conducted the annual Department Self-Assessment, annual EMS Assessment, annual Environmental Management Review, 36 worker and supervisor self-assessments, 17 QA assessments, 104 Tier 1 inspections, 52 90-Day Area inspections and 144 inspections of satellite-waste stations. C-A has closed out the majority of observations that result from these internal audits; for example, over 90% of the corrective actions from the C-A environmental process evaluations have been implemented. The overall conclusions of these audits were: well written program descriptions, excellent operational procedures, well written and descriptive plans and forms, an excellent commitment by staff and users to the laboratory's policies and an excellent system for control of operations.

External audits came to similar conclusions. For example, the ESHQ Directorate conferred an "Outstanding" rating regarding the critical outcome measure for work planning and control, ESH Standards 1.3.5 and 1.3.6. The Collider-Accelerator Department passed its Integrated Safety Management examination by DOE without any findings, and the Department successfully implemented an environmental management program and has achieved ISO 14001 certification.