



Procedure: C-A-OCF-580-BMS
Revision: 03
Revision Date: 03/03/04

COLLIDER-ACCELERATOR DEPARTMENT

Title: Operational Control Form for Beam Stops & Collimators

Prepared by: R. Karol

Group: ESH&Q

Approvals

Signature on File _____ Date: _____
ESH&Q Division Head

Signature on File _____ Date: _____
Collider-Accelerator Department Chairman

(Indicate additional signatures)

- Y N
 x FS Representative: _____ Date: _____
- x Radiological Control Coordinator: _____ Date: _____
- x Chief ME: _____ Date: _____
- x Chief EE: _____ Date: _____
- x Environmental/P2 Coordinator: Signature on File _____ Date: _____
- x QA Manager: _____ Date: _____
- x Other: _____ Date: _____

**BNL ENVIRONMENTAL MANAGEMENT SYSTEM
OPERATIONAL CONTROLS FORM**

OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS: _____	COMPLETED BY: R. KAROL DATE: MARCH 3, 2004
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1. Operation(s): C-A Beam Stops / Collimators
2. Activity(ies): <ul style="list-style-type: none">▪ Radionuclide generation in surrounding soils▪ Radionuclide generation in air in tunnel w/ potential for release of radionuclides to atmosphere
3. Operational Controls (technological, operational, procedural operating criteria): <ul style="list-style-type: none">▪ Accelerator Safety Subject Area▪ C-A OPM 10.1, Occurrence Reporting and Processing of Significant Operations Information▪ Geo-membrane placed cap over areas of maximum activation.▪ Groundwater well results that indicates effectiveness of control.▪ Tier I program and self-evaluations▪ C-A OPM 2.28, Work planning and Controls for Operations
4. Maintenance Plan(s): <ul style="list-style-type: none">▪ Membrane area inspections▪ Groundwater monitoring well maintenance plan, which is contained in site-wide GW monitoring plan.
5. Actions to be Taken if Controls Fail: <ul style="list-style-type: none">▪ See Groundwater Contingency Plan that contains steps taken if monitoring well indicates cap failure via unexpectedly high contaminant concentrations.▪ If periodic air monitoring indicates unexpectedly high airborne contaminant concentrations, or an accidental release occurs, EPA notification as required per conditions in permit BNL-188-01 (AGS) and BNL-389-01(RHIC).▪ See C-A OPM 3.0, Local Emergency Plan for the C-A Department

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- 6. Records:**
- Operational Control Form
 - Process Assessment Form / Corrective Action, P2 Measures, and Assessment, Prevention & Control Initiatives Tracking Database
 - C-A Family ATS documentation on completion of Environmental Management Program, Section 10 Tasks
 - Geo-membrane cap inspection records
 - Groundwater monitoring data
 - Environmental monitoring data
 - ORPS report (for qualifying liquid spills only)
 - Periodic air sample data
 - Tier I Inspection records / Tracking Database

7. Responsibilities: (a) to ensure controls are in place; (b) to ensure controls keep working; (c) to take action when controls fail; (d) to create and keep records relative to operational controls

Name	Responsibility
C-A FES Section	Verify membrane integrity.
C-A ESHQ Division	Ensure periodic tunnel air monitoring is conducted.
EWMSD	Collect Groundwater Samples, Maintain GW records
EWMSD	Report environmental monitoring data
RCD	Analyze groundwater samples
Tier I Inspection Committee	Tier I Documentation

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8. Training:		
Name	Training	Date
EWMSD Field Sampling Team	Training on sampling SOPs	N/A
Building Staff	See also: EMS Training package for this operation	N/A