



Procedure: C-A-OCF-576-LIN
Revision: 05
Revision Date: 03/22/04

COLLIDER-ACCELERATOR DEPARTMENT

Title: Operational Control Form For Linear Accelerator Operations

Prepared by: M. Van Essendelft

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: <hr/>	COMPLETED BY: M. VAN ESSENDELFT DATE: MARCH 22, 2004
1. Operation(s): 200 MeV Linear Accelerator	
2. Activity(ies): <ul style="list-style-type: none"> ▪ Radioactive, hazardous, and industrial waste generation ▪ NYSDEC-permitted (air) bead blasting ▪ Production of airborne radionuclides in tunnel ▪ Operation of oil storage tank ▪ Use of electrical equipment containing PCBs <p><i>Note: activities associated with Linac cooling water systems are excluded from this OCF, they are covered separately in the AGS Cooling Water Systems OCF.</i></p>	
3. Operational Controls (technological, operational, procedural operating criteria): <ul style="list-style-type: none"> ▪ C-A OPM 8.20, Handling and Disposing of Hazardous Waste ▪ C-A OPM 8.20.2, Radioactive Waste Disposal ▪ C-A OPM 8.22, Handling and Disposal of Non-Hazardous and Recyclable Solid Waste ▪ C-A OPM 8.20.1, C-A Hazardous Waste Collection Station ▪ C-A OPM 1.15, Liquid, Airborne Effluents ▪ C-A OPM 1.14, General Requirements for Liquid Storage ▪ C-A OPM 2.28, Enhanced Work Planning ▪ Tier I program and self-assessments ▪ Chemical Management System 	
4. Maintenance Plan(s): <ul style="list-style-type: none"> ▪ None. 	

**BNL ENVIRONMENTAL MANAGEMENT SYSTEM
OPERATIONAL CONTROLS FORM**

OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS: <hr/>	COMPLETED BY: M. VAN ESSEDELFT DATE: MARCH 22, 2004
5. Actions to be Taken if Controls Fail: <ul style="list-style-type: none">▪ See C-A OPM 3.0, Local Emergency Plan for the C-A Department▪ Call Spill Response Hotline – X2222 or 911	
6. Records: <ul style="list-style-type: none">▪ Operational Control Form▪ Radioactive Waste Control Forms▪ Process Assessment Form / Assessment, Prevention & Control Initiatives Tracking Database▪ C-A Family ATS documentation on completion of Environmental Management Program, Section 10 Tasks▪ Tier I inspection records / tracking database▪ Annual NESHAPs report / verification sample▪ Analytical reports▪ Authorization memos for the clearance of waste oil to be burned at the CSF▪ Authorization memos for air and liquid effluent modifications/discharges▪ PCB inventory record, annual site-wide inventory report▪ Title V air permit for bead blaster▪ Satellite Area inspections records	

**BNL ENVIRONMENTAL MANAGEMENT SYSTEM
OPERATIONAL CONTROLS FORM**

OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS: _____	COMPLETED BY: M. VAN ESSENDELFT DATE: MARCH 22, 2004
--	---

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
Waste Management Representative	Inspect satellite areas, interface with C-A Environmental Coordinator to process C-A waste for characterization and pick-up
CA Environmental Compliance Representative	Submit liquid effluent evaluations and air effluent modification forms to appropriate Subject Matter Expert for new or modified effluents.
ESD Radioactive Air Emissions Subject Matter Expert	Submit annual NESHAPs report to EPA
ESD Liquid Effluent Subject Matter Expert	Review liquid discharges for release authorization
C-A Tier I Committee (Safety Inspection Committee)	Perform semi-annual inspection of controls
Linac Supervisor	CMS updates
All Linac staff	Report spills or leakage from PCB-bearing components to ECR or ESD Subject Matter Expert

8. Training:

Name	Training	Date
Linac Operations and Maintenance Supervisor	Hazardous Waste Generator Rad. Waste Generator	N/A
Building Staff	See also: EMS Training package for this operation	N/A