

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the **ESSHQ Procedures Coordinator, Bldg. 911A***

C-A OPERATIONS PROCEDURES MANUAL

14.11.1 Operational Control Form for Linear Accelerator

Text Pages 2 through 4

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ *Signature on File* \_\_\_\_\_  
Collider-Accelerator Department Chairman                      Date

J. Scott

14.11.1 Operational Control Form for Linear Accelerator

**BNL Environmental Management System  
Operational Controls Form**

<b>Operational Control For Significant Environmental Aspects:</b>	<b>Completed By: J. Scott Date: 11/07/07</b>
<b>Operation(s):</b> 200 MeV Linear Accelerator	
<b>2. <u>Activity(ies):</u></b> <ul style="list-style-type: none"><li>▪ Radioactive, hazardous, and industrial waste generation</li><li>▪ NYSDEC-permitted (air) bead blasting</li><li>▪ Production of airborne radionuclides in tunnel</li><li>▪ Operation of oil storage tank</li><li>▪ Use of electrical equipment containing PCBs</li></ul> <p><i>Note: activities associated with Linac cooling water systems are excluded from this OCF, they are covered separately in the <a href="#">AGS Cooling Water Systems OCF</a>.</i></p>	
<b>3. <u>Operational Controls (technological, operational, procedural operating criteria):</u></b> <ul style="list-style-type: none"><li>▪ <a href="#">C-A OPM 8.20</a>, Handling and Disposing of Hazardous Waste</li><li>▪ <a href="#">C-A OPM 8.20.2</a>, Radioactive Waste Disposal</li><li>▪ <a href="#">C-A OPM 8.22</a>, Handling and Disposal of Non-Hazardous and Recyclable Solid Waste</li><li>▪ <a href="#">C-A OPM 8.20.1</a>, C-A Hazardous Waste Collection Station</li><li>▪ <a href="#">C-A OPM 1.15</a>, Liquid, Airborne Effluents</li><li>▪ <a href="#">C-A OPM 1.14</a>, General Requirements for Liquid Storage</li><li>▪ <a href="#">C-A OPM 2.28</a>, Enhanced Work Planning</li><li>▪ Tier I program and self-assessments</li><li>▪ Chemical Management System</li></ul>	
<b>4. <u>Maintenance Plan(s):</u></b> None.	
<b>5. <u>Actions to be Taken if Controls Fail:</u></b> <ul style="list-style-type: none"><li>▪ See <a href="#">C-A OPM 3.0</a>, Local Emergency Plan for the C-A Department</li><li>▪ Call Spill Response Hotline – X2222 or 911</li></ul>	

## BNL Environmental Management System Operational Controls Form

<b>Operational Control For Significant Environmental Aspects:</b>	<b>Completed By: J. Scott Date: 11/07/07</b>
<b><u>Records:</u></b> <ul style="list-style-type: none"><li>▪ Operational Control Form</li><li>▪ Radioactive Waste Control Forms</li><li>▪ Process Assessment Form</li><li>▪ C-A Family ATS documentation on completion of Environmental Management Program, Section 10 Tasks</li><li>▪ Tier I inspection records / tracking database</li><li>▪ Annual NESHAPs report / verification sample</li><li>▪ Analytical reports</li><li>▪ Authorization memos for the clearance of waste oil to be burned at the CSF</li><li>▪ Authorization memos for air and liquid effluent modifications/discharges</li><li>▪ PCB inventory record, annual site-wide inventory report</li><li>▪ Title V air permit for bead blaster</li><li>▪ Satellite Area inspections records</li><li>▪ Chemical Management System Inventories</li></ul>	

<b>7. Responsibilities:</b> (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	
<b>8. Training:</b>		
Name	Training	Date
Linac Operations and Maintenance Supervisor	Hazardous Waste Generator Rad. Waste Generator	N/A
Building Staff	See also: <a href="#">EMS Training package</a> for this operation	N/A