

**BNL ENVIRONMENTAL MANAGEMENT SYSTEM
OPERATIONAL CONTROLS FORM**

OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS: <hr/>	COMPLETED BY: <u>M. VAN ESSENDELFT</u> DATE: <u>FEBRUARY 12, 2008</u>
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1. Operation: SMD Mechanical Assembly Operations (AM-525-MAO)

- 2. Activity(ies):**
- 1) Atmospheric discharge from solder & epoxy (may use permitted air emission points)
 - 2) Waste generation (hazardous and regulated industrial)
 - 3) Chemical storage (flammable)
 - 4) Water Usage (discharged to SPDES Permitted Site)
 - 5) Liquid Discharge (Component Failure)

- 3. Operational Controls (technological, operational, procedural operating criteria):**
- 1) SBMS Subject Area: [Generating Waste](#)
 - 2) Haz Waste [90 Day Area/Weekly Inspection Program](#)
 - 3) Haz Waste [Satellite Accumulation Areas](#)
 - 4) Chemical Management System ([CMS](#))
 - 5) Chemicals Stored in Flammable Storage Cabinets
 - 6) Laboratory's Title V Facility Air Emission Permit (NYSDEC 1-4722-0032/00155).
 - 7) Labeled containers for recycling solder/solder tailings
 - 8) Log books for permitted air emission points/material use records
 - 9) SMD OPM 2.12, "[Work Control and Planning](#)"
 - 10) SMD [OPM 8.1.1.28](#), Section 4.6, SMD [OPM 8.1.1.29](#), Section 4.1, SMD [OPM 8.1.1.38](#), Section 5.7.2.2 (these apply to Bldg. 924 curing presses only), and SMD [OPM 8.1.1.33](#) (902 Curing Oven).
 - 11) Splash shields to prevent oil leaks (Bldg. 924 curing presses only)
 - 12) High level indicator on oil reservoirs, automatic shut down of pump
 - 13) Tier I program and self-assessments
 - 14) Discharge Monitoring Report ([DMR](#)) for Sump HN

- 4. Maintenance Plan(s):**
- 1) Air hoods maintained by MMC on an "as needed basis." Cyclone units maintained by Central Shops on a "as needed basis." No processes are performed when hood is OOC. Facility Support verifies airflow through hood on an annual basis.
 - 2) Periodic test of high level indicator light on 924 oil reservoir

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5. Actions to be Taken if Controls Fail:

- 1) Call spill response hotline – X2222
- 2) Local Emergency Plan
- 3) 90 Day Area contingency Plan

6. Records:

- Log books for permitted air hoods/material use records
- Tier I Inspection records /Tracking Database
- 90 Day Area Inspections
- Operational Control Form
- Process Assessment Form
- SPDES Discharge Monitoring Report

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
Building Manager	<ul style="list-style-type: none"> • Maintain air emissions log book/material usage information • Maintain Satellite Accumulation areas • Spill Control • Ensure air hoods are operational
Central Shop	<ul style="list-style-type: none"> • Cyclone Unit Maintenance
SMD Tier I Inspection Committee	<ul style="list-style-type: none"> • Tier I documentation
90 Day Area Manager/ESH Coordinator	<ul style="list-style-type: none"> • Maintain 90 Day Area per Hazardous Waste Subject Area
ECR	<ul style="list-style-type: none"> • Update Process Assessment Forms
EWMSD	<ul style="list-style-type: none"> • Maintain SPDES DMR monthly

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8. Training:		
Name	Training	Date
90 Day Area Manager/ESH Coordinator	RCRA 90-Day Area Manager (HP-90Day)	See BTMS Database
Technician Supervisor	Haz. Waste Generator (HP-RCRIGEN3)	
Technician	AM-ENV-FS4	