

**NSLS ENVIRONMENTAL MANAGEMENT SYSTEM  
OPERATIONAL CONTROLS FORM**

<p><b>OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS:</b>  <u>COOLING WATER SYSTEM MAINTENANCE: INDUSTRIAL  WASTE GENERATION, LIQUID DISCHARGES, STORAGE OR  USE OF CHEMICALS (SPILLS)</u></p>	<p><b>COMPLETED BY:</b> <u>A. ACKERMAN, J. ALOI,  D. BAUER</u>  <b>DATE:</b> <u>DECEMBER 13, 2006</u>  <b>REV 1</b>  <b>PAGE: 1 OF 1</b></p>
<p><b>1. Operation:</b> Maintenance of NSLS Cooling Water Systems: NSLS-469-CWS</p>	
<p><b>2. Activities:</b></p> <ul style="list-style-type: none"> <li>1) Draining and discharging cooling water</li> <li>2) Maintenance of pumps</li> </ul>	
<p><b>3. Operational Controls:</b></p> <ul style="list-style-type: none"> <li>1. Operational Control Form</li> <li>2. PAF #469</li> <li>3. Subject Areas <ul style="list-style-type: none"> <li>• Hazardous Waste Subject Area</li> <li>• Liquid Discharge Subject Area</li> <li>• Spill Response Subject Area</li> <li>• Work Planning and Controls</li> </ul> </li> <li>4. LS-ESH-PRM-9.0.0, Local Emergency Plan</li> <li>5. Low flow and temperature excursion alarms on the 729 Cooling Water System</li> </ul>	
<p><b>4. Maintenance Plan:</b> Not Applicable</p>	
<p><b>5. Actions to be Taken if Controls Fail:</b>  Contact the utilities engineer if the above alarms fail, who will arrange for repair. If a spill results, the utilities engineer immediately contact Plant Engineering. If the leak impacts the outdoors, x2222 should be called immediately, as well.</p>	
<p><b>6. Records:</b></p> <ul style="list-style-type: none"> <li>1) Operational Control Form.</li> <li>2) PAF #469</li> <li>3) Brookhaven Training Management System (BTMS) records. (Emergency Response Training)</li> <li>4) Waste control forms (Waste Management Facility maintains)</li> <li>5) Analytical reports resulting from discharge approvals.</li> </ul>	

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**7. Responsibilities:**

Name	Responsibility
Utilities Engineer	<ul style="list-style-type: none"> <li>• Maintain procedures and assure that staff operates within requirements.</li> <li>• Obtain approval to discharge water to the sanitary or storm system if the water is contaminated.</li> <li>• To contact EP for repair in case of leak from the 729 cooling system.</li> <li>• Arrange environmental sampling through the ECR.</li> <li>• Assure proper management of Industrial Waste.</li> <li>• Review proposed work and assure referral of appropriate operations to the NSLS Work Control Manager.</li> </ul>
Staff	<ul style="list-style-type: none"> <li>• Follow procedures</li> <li>• To report any observed leaks from the B. 729 system.</li> </ul>
NSLS Training Coordinator	<ul style="list-style-type: none"> <li>• Maintains training database, tracks and reports training status to staff.</li> </ul>

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NSLS ECR	<ul style="list-style-type: none"><li>• Development and maintenance of OCF forms and PAFs.</li><li>• Provide staff support to assure work is done in compliance with relevant regulations.</li><li>• Assures that samples taken for waste characterization are collected and handled following proper Lab procedures.</li></ul>
<b>8. Training:</b> Personnel have complete Job Training Assessments (JTA's)	

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<b>Document Review Frequency</b>	
<b>3</b>	Years

Review signatures on file  
with master copy of  
controlled document

NSLS REVISION LOG		
<b>Subject:</b> OCF - Cooling Water System Maintenance		
Rev	Description	Date
1	Added Work Planning and Controls to the Operational Controls subject area section. Added Waste management responsibilities for the Utilities Engineer. Cleaned up document and removed all outdated information.	12/13/2006