

# BNL Beryllium Use Review Form

<b>Dept</b> Light Sources Directorate	<b>Buildings</b> 725, 820, 832, 902	<b>Room (Area, location)</b> Various
<b>Users (Name/Life#) or (Job Title):</b>  <b>See specific Work Qualification Matrix, Work Planning and/or Job Assessment Forms</b> <b>Typically – vacuum technicians, beamline scientists, experimenters/users</b>		
<b>Status of beryllium use:</b> <input checked="" type="checkbox"/> In use on frequent basis      ___ Planned use in the near future      ___ Possible Future Use ___ No planned use: ___ keep      ___ dispose      ___ Legacy (inherited): ___ keep      ___ dispose		
<b>Describe Use or Process</b> (such as Analytical Standard, Window, Beam Tube, Attenuator, Sample holder, Stock material, etc ): <i>Beryllium metal as in vacuum windows, detector windows, beryllium domes, beam filters, cryostat shields</i>  <input checked="" type="checkbox"/> Meets definition of “Article”      ___ Meets definition of “laboratory use”		
<b>Describe Handling Procedure:</b> (such as “article removed from storage bag, and inserted into holder, without the need for physical alteration of article”) <i>Article removed from storage bag or container, handled with gloves. Mounted in holders or beamline equipment. Returned to secondary storage when work is completed.</i>		
<b>Potential for Airborne Exposure Assessment:</b> (include measured or predicted air concentration and method of determining concentration) <i>No airborne exposure expected, beryllium articles are only exposed to air for a short time.</i>		
<b>Amount used:</b> (such as grams per month) <i>Varies</i>		
<b>Frequency of use:</b> (such as # days per year or month, # tests per year, in continuous use, etc.) <i>Beamline domes and windows may be used or changed out a few times a year. Beamline windows are present continuously in most vacuum lines.</i>		
<b>Precautions during Use:</b> (check all that apply) <input type="checkbox"/> Always opened and used in lab hood <input type="checkbox"/> Handled on lab bench or room <input type="checkbox"/> Used in closed system <input type="checkbox"/> Other:  <input type="checkbox"/> Parts encapsulated <input type="checkbox"/> Parts coated		<b>Storage:</b> (check all that apply) <input type="checkbox"/> In vented cabinet <input type="checkbox"/> On lab shelf , lab bench, or cabinet <input type="checkbox"/> Inside lab hood Other:  <input checked="" type="checkbox"/> Stored in bags or bottles <input type="checkbox"/> Locked area/cabinet, access control <input checked="" type="checkbox"/> Storage area labeled
<b>Written Documentation:</b> <input checked="" type="checkbox"/> Experimental Review ( <a href="#">Work Planning and Control for Experiments and Operations</a> Subject Area) <input type="checkbox"/> Material recorded in CMS Inventory <input checked="" type="checkbox"/> Static inventory <input type="checkbox"/> Work Permit ( <a href="#">Work Planning and Control for Experiments and Operations</a> Subject Area) <input type="checkbox"/> Written SOP (describe):      ___ Each part bar coded		

<b>Personal Protective Equipment used:</b>	
<input checked="" type="checkbox"/> Gloves (describe material, thickness): Nitrile disposable gloves <input type="checkbox"/> Impervious suit <input type="checkbox"/> Lab coat <input type="checkbox"/> BNL laundered clothing <input type="checkbox"/> Respirator, type:	
<b>Spill, Release, Breakage Clean-up Plan</b> (Describe possible release scenario and action, including clean-up worker training, exposure monitoring, personal protective equipment, and disposal ):  <i>Light Source Directorate PRM 2.6.0</i>	
<b>Pollution Prevention Plan:</b> (Describe pollution prevention and waste minimization measures):  <i>Light Source Directorate PRM 2.6.0</i>	
<b>End of Project Plan:</b> (Describe the actions when the use of beryllium is no longer needed, including accounting for material consumption and funding of disposal):	
<b>Completed by:</b> Lori Stiegler	<b>Date:</b> 6/11/10
<b>Reviewed by:</b>	<b>Date:</b>
<b>Approved by:</b>	<b>Date:</b>