X21A1 SAFETY CHECKLIST					BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
Rev: D	Effective: 5/24/2010		Page 1 of	1	Number: LS-SCL-0087
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Original signatures on file.

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	1.	Valid Padlock Index and log, no loc	as open
		•	e front end and the graphite tank in place and secure.
			tank as per photo, and view port covered with leaded
	gla		
	4.	Water cooled Beryllium window #1	and cross piece wrapped in lead.
		Exclusion Zone (EZ # 2) in place an	
		Lead shielding covering burst disk.	
			1 including leaded glass on view port.
		Exclusion Zone (EZ # 3) in place an	
		Bremsstrahlung shield (BS #1) in pla	
			Monochromator tank # 2 as per photo, and lead glass
		ering view port secure.	
		Exclusion Zone (EZ # 4) in place ar	d secure.(note: BS #2 inside EZ #4)
			ed in lead and covered with leaded glass.
		Exclusion Zone (EZ # 5) in place ar	
		Lead wrapped around 2 view ports	
		Exclusion Zone (EZ # 6) in place ar	•
		View ports(8) on Mirror Tank #2 co	
		Exclusion Zone (EZ # 7) in place ar	
		View port covered with leaded glass	
		Vacuum Bellows #7 wrapped in lea	-
		Bremsstrahlung shield (BS #3) in pl	
		Photon Shutter wrapped in lead as p	
		Vacuum Bellows #8 wrapped in lea	
		Beam pipe and interlock cables lock	
		Vacuum Bellows #9 wrapped in lea	
		Exclusion Zone (EZ #8) in place an	
		Vacuum Bellows # 10 wrapped in le	
		Exclusion Zone (EZ #9) in place an	
		Bremsstrahlung shield (BS #4) in pl	
		View port covered with leaded glass	* *
		Beamstop in X21A1 hutch in place	
ш	50.	Beamstop in A21A1 nuten in place	and secure, as per photo.
0	DCC) / Reamline Staff:	Date:
O	ıcı	7 Beamme Starr	Datc
U	ser	System Checks	
_			
		User interlock indicates all valves op	
		User interlock indicates sufficient wa	
	C.	User interlock indicates cooling of m	onochromator running.
		Beamline Rep.:	Date: