

NSLS OHSAS Job Risk Assessment

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Name(s) of Risk Team Members: F. Zafonte, N. Gmür, E. DiMasi	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Radioactive Source Use	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Number or Job Identifier: LS-JRA-0024						
Job Description: The use of sealed radioactive sources	Severity (C)	Rad stop work, RAR	ORPS threshold exceeded	NTS report filed with DOE	DOE enforcement action levied against BNL	DOE mandated rad ops stand down
	Likelihood (D)	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Training and Procedure List (Optional):						
Approved by: A. Ackerman Date: 09/19/2007 Rev. #: 2 Revision Log						
Stressors (if applicable, please list all):		Reason for Revision (if applicable):			Comments:	

Job Step / Task	Hazard	Before Controls					Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls				
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	# of People A	Frequency B	Severity C	Likelihood D

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		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Using sealed sources (includes moving sources to/from storage)	Radiation exposure	N	1	2	2	5	20	Training, dosimetry as required, postings, Safety Approval Forms as needed, Sealed Source Custodian program, inventory, SBMS subject area, RADCON manual, RWP and RCT assistance as needed	1	2	1	4	8						
	Radioactive contamination from a compromised source	N	1	2	3	3	18	Leak checks as needed, Training, PPE, RADCON manual, RCT assistance as needed	1	2	1	2	4						
Transporting sealed sources to another building on site	See LS-JRA-0039 for Vehicle Use See LS-JRA-0022 for Transporting Chemicals and Radioactive Materials																		
Inventory of sealed sources	Radiation exposure	N	1	2	2	5	20	Training, dosimetry as required, postings, RWPs & Safety Approval Forms as needed, inventory, SBMS Subject Area, RADCON manual, RCT assistance as needed	1	2	1	4	8						

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		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
	Radioactive contamination from a compromised source	N	1	2	3	3	18	Leak checks as needed, Training, PPE, RADCON manual, RCT assistance as needed	1	2	1	2	4								
Further Description of Controls Added to Reduce Risk:																					
*Risk:	0 to 20 Negligible	21 to 40 Acceptable					41 to 60 Moderate					61 to 80 Substantial					81 or greater Intolerable				