

## NSLS OHSAS Job Risk Assessment

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<b>Name(s) of Risk Team Members:</b> Frank Zafonte, Cleve Dodge, Bob Kiss,	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title:</b> <span style="color: blue;">Transporting chemicals and radioactive materials</span>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Number or Job Identifier:</b> <span style="color: blue;">LS-JRA-0022</span>						
<b>Job Description:</b> Transport of hazardous or radioactive materials including experiment samples.	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	<b>Likelihood (D)</b>	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Training and Procedure List (Optional):						
Approved by <b>A. Ackerman</b> Date: <b>08/11/08</b> Rev. # <b>2</b> <span style="color: blue;"><a href="#">Revision Log</a></span>		<<1x/20yrs	1x/10-20yrs	>1x/10-20yrs	1x/yr	>1x/yr
<b>Stressors (if applicable, please list all):</b>	<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>		

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	Risk* AxBxCxD	% Risk Reduction
Packaging hazardous material for transport	Overexertion or cut with packaging equipment	N	1	3	1	3	9	Care with handling packages; management emphasis on working safely; knowledgeable	1	3	1	2	6							
	Spill material	N	1	3	2	3	18		1	3	1	2	6							

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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
	Mix incompatibles	N	1	3	2	4	24	staff; packing materials readily available. Lab Std or Haz Com training; MSDS's.	1	3	2	1	6							
Personal transport by hand or within a motor vehicle	Overexertion	N	1	3	1	3	9	Care with handling packages; management emphasis on working safely; knowledgeable staff	1	3	1	2	6							
	Spill	N	1	3	2	3	18	Care with handling packages; NSLS Operations Group spill response procedure and training.	1	3	1	2	6							
	Vehicle collision	N	1	3	2	5	30	Management emphasis on safe driving	1	3	2	4	24							
Packaging and transport of radioactive material for transport	Overexertion	N	1	3	1	3	9	Care with handling packages; management emphasis on working safely; infrastructure support (RCD, I&SM), radiological surveys.	1	3	1	1	3							
	Spill	N	1	3	2	3	18													
<b>Further Description of Controls Added to Reduce Risk:</b>																				
<b>*Risk:</b>	<b>0 to 20 Negligible</b>	<b>21 to 40 Acceptable</b>						<b>41 to 60 Moderate</b>					<b>61 to 80 Substantial</b>					<b>81 or greater Intolerable</b>		