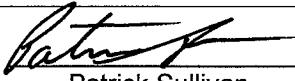


## EENS Job Risk Assessment

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<b>Name(s) of Risk Team Members:</b> S. Mitra, B. Bowerman, N. Contos, J. Madaia		<b>Point Value → Parameter ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
<b>Job Title:</b> Radiation Generating Device Use (RGD) <b>JRA #:</b> EENS-JRA-021 <b>Rev. #:</b> 0 <b>Date:</b> 1/31/06		<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift	
<b>Job Description:</b> Use and operation of radiation generating devices (RGDs).		<b>Severity (C)</b>	<b>First Aid Only</b>	<b>Medical Treatment</b>	<b>Lost Time</b>	<b>Partial Disability</b>	<b>Death or Permanent Disability</b>	
<b>Training and Procedure List (Optional):</b> SBMS SA		<b>Likelihood (D)</b>	Extremely Unlikely	Unlikely	Possible	Probable	Multiple	
Approved by:  Date: 8/31/06 Patrick Sullivan								
<b>Stressors (if applicable, please list all):</b> none		<b>Reason for Revision (if applicable):</b>				<b>Comments:</b>		

Job Step / Task	Hazard	Control(s)	Before Additional Controls						After Additional Controls						% Risk Reduction
			Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Inserting or removing samples	Radiation exposure	Training, shielding, interlocks, enclosure, postings, procedures, Dosimetry, PPE, ESR, RWP, RadCon Manual, Work Planning and Control Documents, RGD SBMS SA	N	1	4	1	1	4							
Operation of device	Radiation exposure	Training, shielding, interlocks, enclosure, postings, procedures, RadCon Manual, Dosimetry, PPE, RWP, Work Planning and Control Documents, proper maintenance, RGD SBMS SA,	N	1	4	1	1	4							

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Job Step / Task	Hazard	Control(s)	Before Additional Controls						After Additional Controls						% Risk Reduction	
			Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
Use of Radioactive Source Generator	Radiation exposure	Training, shielding, interlocks, enclosure, postings, procedures, RadCon Manual, Dosimetry, PPE, RWP, Work Planning and Control Documents, RGD SBMS SA, Sealed Radioactive Source SBMS SA	N	1	4	1	1	4								
	Spread of radiological contamination	Training, shielding, interlocks, enclosure, postings, procedures, RadCon Manual, Dosimetry, PPE, ESR, RWP, Work Planning and Control Documents, proper maintenance, RGD SBMS SA, Sealed Radioactive Source SBMS SA, semi-annual leak checks	N	1	4	1	1	4								
Maintenance / Alignment	Radiation exposure	Training, shielding, interlocks, enclosure, postings, procedures, RadCon Manual, Dosimetry, PPE, RWP, Work Planning and Control Documents RGD subject area in SBMS, LOTO	N	1	2	1	1	2								
	Electrical Shock	Training, interlocks, postings, PPE, procedures, LOTO, clean working environment, EENS-JRA-005	N	1	2	2	1	4								
	Cryogenic (LN2)	Training, interlocks, postings, procedures, PPE, LOTO, EENS-JRA-004	N	1	3	4	1	12								

### 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
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