

NC Job Risk Assessment

| | | | | | | |
|---|--|----------------|-------------------|------------|--------------------|-------------------------------|
| Name(s) of Risk Team Members: L. Davis, D. Elling, R. Sabatini | Point Value → Parameter ↓ | 1 | 2 | 3 | 4 | 5 |
| Job Title: Radiation Generating Devices (RGD) Job Number or Job Identifier: NC-JRA-013 | Frequency (B) | ≤once/year | ≤once/month | ≤once/week | ≤once/shift | >once/shift |
| Job Description: Use and operation of radiation generating devices (RGDs). | Severity (C) | First Aid Only | Medical Treatment | Lost Time | Partial Disability | Death or Permanent Disability |
| Training Procedures List (Optional): GERT or Rad Worker 1 Approved by: R. Sabatini Date: 5/16/2011 Rev. #: 1 | Likelihood (D) | Very Unlikely | Unlikely | Possible | Probable | Multiple |

| Job Step / Task | Hazard | Control(s) | Before Additional Controls | | | | | Control(s) Added to Reduce Risk | After Additional Controls | | | | | % Risk Reduction | | |
|-------------------------------|--------------------|---|----------------------------|---------------|-------------|------------|--------------|---------------------------------|---------------------------|-----------|---------------|-------------|------------|------------------|--------------|---------------|
| | | | Stressor | # of People A | Frequency B | Severity C | Likelihood D | | Risk* AxBxCxD | Stressors | # of People A | Frequency B | Severity C | | Likelihood D | Risk* AxBxCxD |
| Inserting or removing samples | Radiation exposure | Training, shielding, interlocks, postings, procedures, RGD subject area in SBMS | N | 1 | 5 | 2 | 2 | 20 | | | | | | | | |
| Operation of device | Radiation exposure | Training, shielding, interlocks, postings, procedures, RGD subject area in SBMS | N | 1 | 5 | 1 | 2 | 10 | | | | | | | | |

NC Job Risk Assessment

| Job Step / Task | Hazard | Control(s) | Before Additional Controls | | | | | Control(s) Added to Reduce Risk | After Additional Controls | | | | | % Risk Reduction | |
|-------------------------|-------------------------------------|--|----------------------------|---------------|-------------|------------|--------------|---------------------------------|---------------------------|-----------|---------------|-------------|------------|------------------|--------------|
| | | | Stressor | # of People A | Frequency B | Severity C | Likelihood D | | Risk* AxBxCxD | Stressors | # of People A | Frequency B | Severity C | | Likelihood D |
| Maintenance / Alignment | Radiation exposure | Training, shielding, interlocks, postings, procedures, RGD subject area in SBMS, LOTO | Y | 2 | 1 | 3 | 2 | 12 | | | | | | | |
| | Electrical Shock | Training, postings, procedures, RGD subject area in SBMS | N | 2 | 1 | 5 | 2 | 20 | | | | | | | |
| | Reflex injury from electrical shock | Training, interlocks, postings, procedures, RGD subject area in SBMS, LOTO, clean working area | N | 1 | 1 | 5 | 2 | 10 | | | | | | | |

| | | | | | |
|---------------|-------------------|-------------------|-----------------|--------------------|----------------------|
| *Risk: | 0 to 20 | 21 to 40 | 41-60 | 61 to 80 | 81 or greater |
| | Negligible | Acceptable | Moderate | Substantial | Intolerable |