

Job Risk Analysis

| Name(s) of Risk Team Members: P. Cirnigliaro, R. Savage | | | | Point Value → Parameter ↓ | 1 | 2 | 3 | 4 | 5 | | | | | | | |
|---|--------------------------------|---|---------------|--|----------------|-------------------|--------------|--------------------|---------------------------------|---------------|---------------|-------------|------------|--------------|------------------|------------------|
| Job Title: Animal Handling Work Job Number or Job Identifier: JRA 11a | | | | Frequency (B) | ≤once/year | ≤once/month | ≤once/week | ≤once/shift | >once/shift | | | | | | | |
| Job Description: Animal Work at NSRL | | | | Severity (C) | First Aid Only | Medical Treatment | Lost Time | Partial Disability | Death or Permanent Disability | | | | | | | |
| Training and Procedures List (optional): C-A Radiobiology Training | | | | Likelihood (D) | Impossible | Unlikely | Possible | Probable | Multiple | | | | | | | |
| Approved by: <i>E. Lessard</i> Date:9/15/04 Rev. #:1 | | | | | | | | | | | | | | | | |
| Stressors (if applicable, please list all): | | | | Reason for Revision (if applicable): Date added. | | | | Comments: | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | Before Additional Controls | | | | | After Additional Controls | | | | | | | |
| Job Step / Task | Hazard | Control(s) | 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 | % Risk Reduction |
| Transport by vehicle animal samples to and from Medical/Biology Dept. to NSRL | Highway accident | Training and compliance with BNL's traffic safety rules, BNL onsite Transfer/Safety Assessment. | Y | 1 | 2 | 3 | 3 | 18 | | | | | | | | |
| Remove animals from transport vehicle. | Falls on same level | Proper footwear, housekeeping. | N | 1 | 2 | 3 | 3 | 18 | | | | | | | | |
| Maintain animal cages | Scratched or bitten by animal. | Use PPE, gloves. | N | 1 | 2 | 2 | 3 | 12 | | | | | | | | |
| Prepare anesthetic apparatus for use | Use of compressed air bottles. | Compressed gas awareness training in C-A Radiobiology training. | N | 1 | 2 | 2 | 3 | 12 | | | | | | | | |
| Prepare anesthetic apparatus for use | Exposure to anesthetic. | Leak testing of apparatus. | N | 1 | 2 | 2 | 4 | 16 | | | | | | | | |
| Transfer animals to anesthetic holding boxes. | Scratched or bitten by animal. | Use of PPE, gloves. | N | 1 | 2 | 2 | 3 | 12 | | | | | | | | |
| Anesthetize animals | Exposure to anesthetic. | Ventilation of the work area, leak testing of apparatus, work planning. | N | 1 | 2 | 2 | 4 | 16 | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|--|--------------------------------|--|----------|---|---|---|-------------|----|--|--|---------------|--|--|--|--|--|
| Transfer animals to radiological target boxes. | Exposure to anesthetic. | Ventilation of the work area, leak testing of apparatus. | N | 1 | 2 | 2 | 2 | 8 | | | | | | | | |
| Transfer animals to radiological target boxes. | Scratched or bitten by animal. | Use of PPE, gloves. | N | 1 | 2 | 2 | 3 | 12 | | | | | | | | |
| Transport animals in target boxes from A lab to NSRL target room | Ionizing radiation exposure | Work planning, Access control, RWP. | N | 1 | 2 | 1 | 2 | 4 | | | | | | | | |
| Remove animals from target room to A lab. | Exposure to anesthetic. | Leak testing of apparatus. | N | 1 | 2 | 1 | 2 | 4 | | | | | | | | |
| Further Description of Controls Added to Reduce Risk: | | | | | | | | | | | | | | | | |
| *Risk: | 0 to 20 | 21 to 40 | 41-60 | | | | 61 to 80 | | | | 81 or greater | | | | | |
| | Negligible | Acceptable | Moderate | | | | Substantial | | | | Intolerable | | | | | |