

## APPENDIX P – SEALED SOURCE RADIATION EMERGENCY PROCEDURES

### PERSONNEL INJURY

WITH SIGNIFICANT OR LIFE-THREATENING INJURIES, MEDICAL ATTENTION IS THE FIRST PRIORITY

Call 911. If necessary, report a potentially contaminated injury. Describe the extent of injuries and the radioactive material(s) involved. If the injury is minor, remove contaminated clothing and wash potentially contaminated areas with running water. Contact the RSO.

### RUPTURED OR LEAKING SEALED SOURCE

- Do not move or remove the source or device containing the source.
- Evacuate personnel from the area in which the source or device is located and restrict further movement of potentially contaminated personnel beyond a safe area to limit spread of contamination (the RSO will survey these individuals before release).
- Restrict access to area in which leaking source is located.
- Do not allow potentially contaminated materials to be removed from the laboratory or work area until authorized by the RSO.
- Notify the RSO

### MINOR FIRES

- Immediately attempt to put out the fire by approved methods (i.e., fire extinguisher) if there is NO immediate danger from either the fire or radiation and if you have been properly trained in the use of a fire extinguisher.
- Notify all persons to vacate the area and have one individual immediately set off the fire alarm at the nearest pull station, call 911 and the RSO.
- Once the fire is out, isolate the area to prevent the spread of possible contamination.
- Survey all persons involved in combating the fire for possible contamination.
- Decontaminate personnel by removing contaminated clothing and flushing contaminated skin with lukewarm water, then washing with a mild soap.
- Consult with the RSO to determine a decontamination plan.
- Allow no one to return to work in the area unless approved by the RSO.

### MAJOR FIRES, EXPLOSIONS, OR MAJOR EMERGENCIES

- Notify all persons in the area to leave immediately.
- Set off fire alarm at the nearest pull station
- Call 911 and notify them there is a potential radiation hazard in addition to the emergency.
- Immediately notify the RSO.
- Upon arrival of firefighters, inform them where radioactive materials are stored or where radioisotopes were being used; inform them of the present location of the licensed material and the best possible entrance route to the radiation area, as well as any precautions to avoid exposure.
- Allow no one to return to work in the area unless approved by the RSO.

### LOSS OR THEFT

Report the LOSS or THEFT of radioactive material immediately to the Authorized User and the Radiation Safety Officer.  
If there is no answer, call the WKU Police

Radiation Safety Officer, Sarah Grant, 270-745-3597 (O), 270-535-4822 (C) WKU Police: 270-745-2548

Authorized User \_\_\_\_\_ Phone \_\_\_\_\_