

Appendix D

Timeline of Significant Events

Date	Event description
11/07/06	Leak tests of Sr-90 sources in location A are conducted.
11/10/06	Wipes from leak tests in location A are set up for counting over the weekend.
11/13/06	Elevated count rates for sources stored in Location A are discovered.
	Investigation begins: damaged source is discovered; Researcher A is interviewed; preliminary G-M meter surveys are conducted in locations A and B, and wipes are taken in doorways of Locations A and B and at Researcher A's desk area.
	Access to Location B is restricted and sources stored in Location A are taken out of service and secured.
11/14/06	Researcher A departs for Institution A.
	Extensive wipe surveys of public hallways adjacent to Locations A and B are conducted. No contamination in public hallways is found.
	Wipe and meter surveys of Locations A and C are conducted.
	The RSO notifies the Radiation Safety Committee.
	The University Communications Office issues a press release.
11/15/06	The RSO makes formal notification to the NRC.
	An informational meeting with Physics Department staff is held.
	Decontamination of the floor in Location A is performed and wipes surveys are conducted.
	Wipe and meter surveys continue in Location A; wipe surveys in Location B are conducted.
	Contamination > 100 dpm is found on wipes in location A, and mopping of the floor begins.
	Contamination of ~ 100 dpm is found on the floor in Location C, and the floor is mopped.
	RSO contacts Institution A Health Physics Office and requests that Institution A perform an unofficial preliminary screening bioassay on urine sample from Researcher A; Institution A agrees.
11/16/06	The RSO makes notification to the NJ Department of Environmental Protection.
	Mopping of the floors in Location A is finished and a wipe survey confirms that decontamination of the floor in Location A is finished.
	Extensive meter surveys in Location B are begun.
	Mopping of the floor in Location B is begun and decontamination of various objects in Location B is performed.
11/17/06	Detailed meter surveys in Location B are finished and mopping of the floor continues.
	RSO meets with janitorial staff for Jadwin Hall and briefs them on the incident. Two pairs of shoes for the janitor from the affected floor and cleaning equipment are surveyed and no contamination is found.
	Institution A notifies the RSO that the preliminary urinalysis for Researcher A does not indicate the presence of activity statistically different than background.
11/21/06	RSO receives notification from NRC that a 'reactive' inspection is scheduled for 11/22.
	RSO solicits proposals from vendors to perform official urinalysis for Researcher A.
	Decontamination and survey work in Location B continue; wipes in location B confirm that decontamination of the floor is complete.
	RSO, EHS Director and EHS H&S Specialist meet to discuss corrective measures.
11/22/06	NRC inspector Dennis Lawyer conducts a 'reactive' inspection in response to the incident

	notification.
	Researcher A returns from Institution A and further interviews are conducted.
	Researcher A's automobile is surveyed. No contamination is found.
	Researcher A is instructed to collect a 24-hour urine sample on 11/25 for shipment on 11/26/06.
	The RSO notifies Researcher A that the Location B is sufficiently decontaminated that he may work in Location B. Three contaminated areas are identified to him that he is directed to avoid.
11/26/06	Urine sample is shipped to Radiation Safety Associates.
12/4/06	After several attempts to contact Researcher B, the RSO is able to interview Researcher B to review summer work and to perform a personal survey. No contamination is found.
11/26/06 through 12/11/06	EHS staff continue to decontaminate Location B (at this point contamination is confined to three areas in Location A, a desk, a workbench and a large platform on which experimental chambers sit). Since the EHS staff must meet other critical responsibilities, the decontamination effort continues on a nearly daily but not continuous basis.
12/11/06	Decontamination in Location B is considered to be complete.
12/11/06	EHS staff begin a series of visits to examine all non-open sources to evaluate the condition of the sources and assess their potential vulnerability to damage.
12/12/06	EHS staff conduct an extensive wipe and meter survey in Location B to verify that Location B is free of contamination.
12/15/06	The RSO completes the 30-day written report to the NRC and submits it to Region 1 office.