

## NEI Examples to Support Discussion of the IMC 0612 Process for Determining Whether an Issue is Minor or More than Minor

1. An individual transiting the top of the pressurizer to exit the pressurizer cubicle experience an electronic dosimeter(ED) alarm. The peak dose rate recorded by the ED was 277 mrem/hr. The alarm setpoint was 250 mrem/hr. The worker noted the alarm and immediately exited the area and contacted Health Physics (HP). Follow-up investigation by HP revealed that general dose rates had increased from the time of a previous area survey (one day prior) as the result of a chemically induced crud burst and subsequent cleanup of the reactor coolant system (RCS). Previous general dose rates were 100-150 mrem/hour and the elevated dose rates were 200-300 mrem/hr.
2. A portal monitor alarm indicated that an individual had removable contamination on the shoulder of 4,000 dpm/100 cm<sup>2</sup>. Follow-up investigation by HP revealed that the source of the contamination was a barrel that had been handled by the individual that had a small spot of removable contamination of 5,000 dpm/100cm<sup>2</sup>. The drum was labeled with a tag that indicated that removable contamination was <1,000 dpm/cm<sup>2</sup>. A review of a survey conducted the last time the barrel was handled indicated "no detectable contamination - >1,000 dpm/100cm<sup>2</sup>.
3. An individual received a dose rate alarm when accessing the top of the reactor vessel head while verifying an Equipment Clearance Tag on a valve. The ED indicated a peak dose rate of 215 mrem/hr. The ED alarm set point was 150 mrem/hr. Upon receiving the ED alarm, the individual contacted HP via headset communications and exited the area. Follow-up review by HP indicated that during the pre-job brief, the worker and the HP technician had mis-communicated regarding the specific work location that would be accessed by the worker. Follow-up surveys indicated that radiation levels had not changed from the previous surveys and that all required controls were properly implemented.