Environmental Health and Safety 2220 Circle Drive Cleveland, Ohio 44106 P: (216) 368-2906

> F: (216) 368-2236 cwruehs@case.edu

Cadmium (Cd-109)

Half Life: 463 days

Radiation: Electron capture Ì Beta, gamma and X-rays

Shielding: 1 mm lead for gamma, 1 mm plastic for beta

Dosimetry: Body and ring badges when handling. Urine assays may

be required after spills or contamination incidents.

8YhYWh]cb#AYUg i fY a Ybh.

Special Precautions:

Use tools to indirectly handle unshielded sources and potentially contaminated containers - no direct hand contact Ensure that an appropriate, operational survey meter is present in the work area and turned on whenever Cd-109 is handled to immediately detect contamination Shield waste containers as needed to maintain accessible dose rate ALARA

Safe Lab Practices