Volume IV Orientation and Training

ORA LABORATORY MANUAL

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Section 12

RADIOACTIVITY

Section 12

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12.1 Introduction

FDA's Winchester Engineering and Analytical Center specializes in radioactivity analyses.

FDA has monitored radionuclides as part of its food safety efforts for over fifty years.

The Public's concern about health risks due to radionuclide contamination has increased as a result of the nuclear accidents at Three Mile Island (March, 1979) and Chemobyl (April, 1986) and (Fukushima, April 2011). FDA's Center for Safety and Applied Nutrition coordinates and oversees several food programs. The Radionuclides in Foods program includes a domestic program – samples collected near nuclear power plans and the total diet program; an import program - import foods collected from countries most likely to have food products with radionuclide contamination.

The "Total Diet Study" (TDS) was initiated in the early 1960s to monitor possible contamination of foods by radionuclides resulting from atmospheric nuclear tests. The foods tested in the program represent the general US food supply and the American diet.

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