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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
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134 - HEALTH PHYSICS RADIOMAN: EMERGENCY PLAN
POSITION SPECIFIC INSTRUCTION

REMOVE MANUAL TABLE OF CONTENTS DATE: 08/22/2002

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CATEGORY: PROCEDURES TYPE: EP
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A045

**CALCULATION AND TRACKING SHEET FOR
ESTIMATED IODINE CDE AND TEDE DOSES**

USE THIS FORM:

1. When the iodine CDE dose rate at a team sampling location exceeds 1,000 mrem/hr. (1,200 cpm frisker).
OR
2. As directed by the TSC Dose Calculator or the DAST.

Methodology:

1. Initiate this form. Identify the affected team and the highest year-to-date (YTD) dose for any individual on the team.
2. Enter the time, current SRD dose and iodine to gamma ratio (I/γ). (Note: Iodine to gamma ratio can be obtained from the RMS Emergency Field Monitoring Secondary Data Report.) **The highest ratio obtained since tracking was initiated should be used (obtain from previously printed reports).**

NOTE: If the SRD dose is less than 10 mrem enter "<10" in the SRD Dose Field, multiply the I/γ times 10 and enter the CDE and TEDE doses as < dose value.

3. Calculate the iodine CDE: $SRD \times I/\gamma = CDE \text{ (mrem)}$

4. Calculate TEDE: $CDE \times 0.03 + SRD + (YTD) = TEDE \text{ (mrem)}$

5. Notify the TSC Dose Calculator or DAST immediately and pull the team to a low background area if any member of a team reaches or exceeds the following:

TEDE = 3800 mrem CDE = 10,000 mrem

TEAM: _____ Year-to-Date (YTD) Dose: _____

Date/Time	SRD Dose(mrem)	Iodine/gamma Ratio (I/γ)	Iodine CDE (mrem)	TEDE (mrem)