

Equations:

$$mrem/h = C.F. \times \text{meter reading (mR / h scale)} \quad dpm = \frac{\text{gross cpm} - \text{background cpm}}{\text{efficiency (c/d)}}$$

ALARA Guidelines and New York State Limits:

	Areas Labeled for Radiation Use		Non-Radiation Use Areas	
	ALARA	NYS Limit	ALARA	NYS Limit
Removable Contamination (dpm/100 cm ²)	1000	5000	100	1000
Fixed Contamination (mrem/h)	0.5	1	0.05	0.2
All Other Dose Rates (mrem/h)	None	None	0.05	2*

* New York State does not allow a member of the public to receive more than 2 mrem in any one hour or 100 mrem in any calendar year. To ensure compliance with this limit, dose rates around Areas Labeled for Radiation Use cannot exceed 2 mrem/h at the edge and 0.05 mrem/h at one foot from the edge of the labels.

5. Survey Meters Used by this Lab:

Meter [♠] Serial #	Meter Make	Meter Model	Probe [♥] Model	Probe [♦] Serial #	Operating [*]
_____	_____	_____	_____	_____	Y N
_____	_____	_____	_____	_____	Y N
_____	_____	_____	_____	_____	Y N
_____	_____	_____	_____	_____	Y N
_____	_____	_____	_____	_____	Y N

Note Key:

- ♠ The meter serial number is either tagged or stamped on the meter itself. It is not on the probe.
- ♥ See the meter calibration label(s).
- ♦ The probe may have it's own serial number tagged or stamped on the exterior. Leave the probe serial number space blank if number is not visible.
- ♣ Immediately tag and date malfunctioning meters with an "OUT-OF-SERVICE" label over the meter readout. Contact EH&S at 5-5237 for repair advice.
- ☎ If missing, report to EH&S at 5-5237 to obtain replacement labels and notices.

6. Visual Inspection:

(✓)

- "Emergency Procedures" and "NOTICE TO EMPLOYEES" posted in all authorized rooms. ☎ (Call 5-5237)
- Entrances to all rooms containing radioactive material are labeled. ☎ (Call 5-5237)
- All authorized rooms have been surveyed this month or noted as not used.
- All survey results are below the ALARA Guidelines or the reason for not achieving results below ALARA is explained in the notes section.

7. Permit Holder Review

Permit Holder Signature: _____ Date: ____/____/____