

James



**KEEP OUT
RADIOACTIVE AREA**

"So, Foster! That's how you want it, huh? ...
Then take this!"

Working Safely with Radiation

Don't

lick

the
pipes!

Nate Foster
RPO Manager – East Complex

George D. Mackenzie

THIS IS AN AWARENESS DISCUSSION !!!

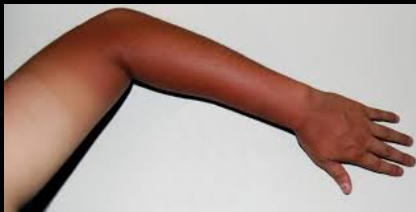
- This “Discussion” is NOT training and does NOT permit you...
 - access to any posted Radiological Area,
 - access to any Radiologically Controlled Area, or
 - Work with (handling) Radioactive Materials.

These activities require specific training AND may require a Radiological Work Permit (RWP).

Radiation



- What is radiation???
- It is a form of...?
- **ENERGY!**
- Radiation is the process of emitting **ENERGY** in the form of waves or particles
- Two types of radiation: Ionizing and Non-ionizing



YES, YES... We know this!

Why are you here?!?

Three Reasons...

1. Because I was not here on the day when they were looking for volunteers...
2. To provide you with an AWARENESS of...
 - What you may see in the facility and field
 - What ORNL and DOE requires of you.
 - Who to contact if you have any radiological concerns.
3. I heard there was free food.

Department of Energy

Code of Federal Regulations

10CFR835 – “Occupational Radiation Protection”

This ORDER limits OCCUPATIONAL dose to Employees

How much??

What's a REM???



ORNL



STANDARDS BASED MANAGEMENT SYSTEM (SBMS)

ADMINISTRATIVE limits

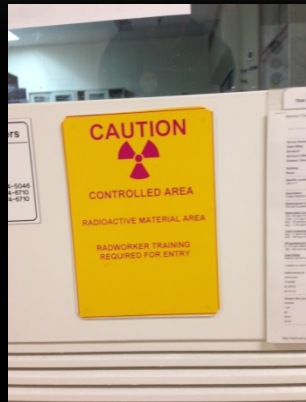
PERMITS

POSTINGS

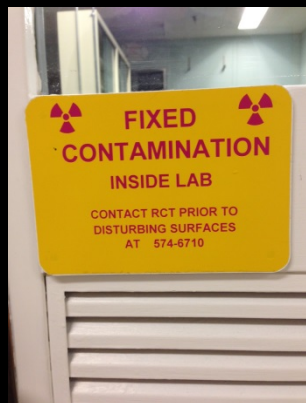
LABELS and MARKINGS



POSTINGS –



LABELS AND MARKINGS



What is an RCT??

A Radiological Control Technician is...

- Your first stop for Radiological questions or concerns...
- The most knowledgeable person on current radiological conditions at the facility
- 574-8344



QUESTIONS??

