

**Yakima Valley Local Emergency Planning Committee**  
**Meeting**  
**January 28, 2025 @ 11:30 a.m.**

Meeting called to order at 11:31 a.m.

Meeting Minutes:

Motion to approve minutes made by Scott Melton  
Jay O'Neil seconded, all approved.

Treasurer Report: 501(c)3

Nothing to report. No balance. No donations have been received.

Grant Opportunities and in process:

LEPC is a 501(c)3 – there are grant opportunities; however, at this time there are still some things that need to be formalized with the LEPC. When and if there is a need to apply for a grant for the LEPC it will be done through Yakima Valley Emergency Management.

Bylaws: The Board is asking 4 to 5 members to form a subcommittee to review the Bylaws.

**Guest Presentation (Sunnyside Fire Department – Washington State Department of Health-Radiation Basics:** Presenters: Ryan Brice and Jack Wiley

Radiation comes from the following sources:

- Sun
- Ground (1/2 annual dose)
- Medical treatments and Industrial sources (x-rays, scans)
- Food and Water (no salt, bananas)

Earth is more radioactive – 2 to 4 thousand nuclear bombs have been tested.

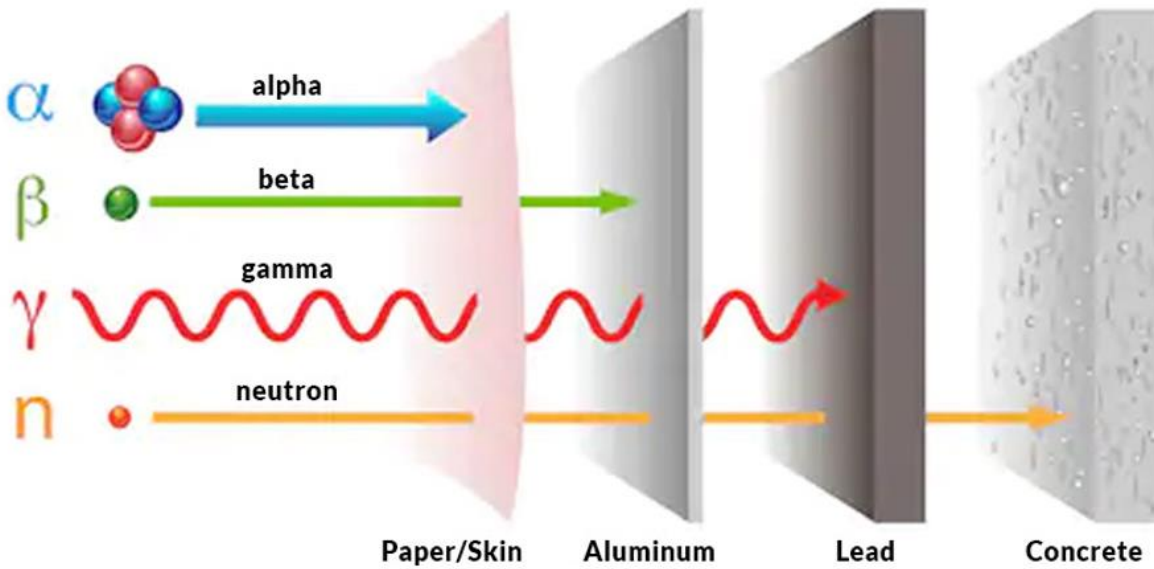
Radiation is energy in transit. Contamination is Radioactive material in a place you don't want it. (Example – you step in it.) If contaminated, take off your clothing and dispose of it, take a shower. Secondary contamination has never harmed an emergency worker, even in Chernobyl.

Types of Radiation Particles:

- Beta – Hazardous if internal exposure results or allowed to remain on exposed skin. Easily shielded using jackets, heavier clothing, gloves, eye protection, dust masks
- Alpha – Not easy to detect, primarily a concern if internal exposure results. Easily shielded using clothing, goggles, dust masks.
- Neutron – Takes more to block (center of a nuclear reactor)
- Gamma – Higher energy, easy to detect, harder to shield

Potassium Iodide (KI) – saturates the Thyroid, radioactive iodide is very concerning for humans. Potassium Iodide tablets may be useful in a power plant emergency.

# How to stop it



Radiation protection principles:

- Minimize time
- Maximize distance
- Incorporate shielding

# Effects of acute exposure

- **25 – 50 R** Symptoms – Minor blood changes, NO DEATH
- **50 – 100 R** Symptoms – Blood Changes, nausea in up to 5% of people. NO DEATH
- **100 – 200 R** Symptoms – vomiting (5 to 50%); Hair loss (up to 10%). Death occurs in 0 to 10% from 2 to 20 years after exposure due to cancer.
- **200 – 600 R** Symptoms – anemia, nausea, hair loss, heart palpitations. Death occurs in 10 to 80% in 1 to 2 months due to infection, bleeding, heart failure. **450 R** is considered the dose at which 50% of the exposed population will die if left untreated.
- **600 – 1000 R** Symptoms – severe anemia, nausea, diarrhea, severe hair loss, heart palpitations, heart attack, nervous system failure. Death for 80 to 100% from 1 hour to 2 weeks of exposure.

## Hanford Emergency Planning Zones (CGS Reactor)

Plume Pathway - 10-mile circle around the CGS reactor, focuses on immediate response including evacuation zone/shelter in place for Benton and Franklin County

Ingestion Pathway – 50-mile circle around the CGS reactor, focuses on long-term ingestion concerns for Yakima, Adams, Benton, Franklin, Grant, Kittitas, Klickitat, and Walla Walla

### Contact information:

J. Ryan Brice: 509-619-2791

Jack Wiley: 509-491-2192

24-HR Radiation Emergency: 206-682-5327

### Member Updates:

Participants provided updates on safety drills and training completed at their facilities.

### Local Hazardous Materials Teams Update:

No new updates

### Incidents since the last LEPC Meeting:

Hazmat: 32 incidents

Brush/Grass Fires: 13 incidents

## **Emergency Management Update:**

We now have an interactive public evacuation map on our website so that you can enter your address to see if you are within an evacuation zone.

Completed Exercises/Training/Outreach provided by all EM Staff:

- G402 NIMS Overview for Senior Officials

Upcoming Exercises/Training provided by Emergency Management:

- CGS Exercise (February 2025)
- Lakeside Care – Tabletop Exercise (February 2025)
- ICS 300 Intermediate Incident Command System Course (March 2025)
- Bureau of Reclamation Dams Exercise (March 2025)
- Spirit Lake Exercise (March 2025)
- G2300 EOC Course (March 2025)
- PNWU Full Scale Exercise (April 2025)
- ICS 100-200-700 Course (April 2025)
- Airport Tabletop Exercise (May 2025)

New Mass Casualty (MCI) Response Unit for Emergency Medical Services.

## **REMINDER TO SIGN UP FOR “ALERT YAKIMA”!**

### **Next Meeting:**

Tuesday, March 25, 2025 @ 11:30 a.m.

Meeting Adjourned: