

Nuclear Lunch Questions 6 April 2011  
Dr. Ingram & Dr. Schiller presentations

1. Do elements with longer lifetimes have lower radioactivity? If so, are they somehow safer?
2. For normal nuclear power plants (without any accident), what are the wastes, how much are there, and where does the waste go?
3. What is fuel reprocessing?
4. Can radiation from the reactor's active zone produce radioactive isotopes in the water loop that could produce radioactive isotopes in the second water loop (to the environment)?
5. How do pressurized water reactors (PWRs) differ from boiling water reactors (BWRs)? Which one has more advantages? Are they designed for different purposes?
6. How do the efficiencies of different reactor designs compare with each other?

Website provided by Dr. Ingram:

“Q&A: Health effects of radiation exposure” <http://www.bbc.co.uk/news/health-12722435>