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We need *YOUR* pictures and video from the events on Friday/Saturday last week!!!

email: hallihana@nbed.nb.ca

Tweet: @MVHSEnvSci @MVHSFlyFishing @hallihana

Put onto my desktop with memory stick

NOTES From Previous Lessons...

 Notes - Cycles.pdf

Environmental Problems Disrupting Natural Cycles by Humans

1. radioactive contamination
2. pollution of the ocean
3. depletion of fish stocks
4. use of fossil fuels
5. draining of underground aquifers
6. clearing of forests
7. use of fertilizers and pesticides

When Nuclear Energy Goes Wrong...



Representing the people and organisations of the global nuclear profession

Nuclear Basics

Information Library

The WNA

Home › Information Library › Safety and Security › Safety of Plants

Safety of Nuclear Power Reactors | Chernobyl Accident | Fukushima Accident 2011 | Three Mile Island accident | Tokaimura Criticality Accident | Earthquakes | Liability for Nuclear Damage

Fukushima Accident 2011

(updated 2 April 2013)

- Following a major earthquake, a 15-metre tsunami disabled the power supply and cooling of three Fukushima Daiichi reactors, causing a nuclear accident on 11 March 2011.
- All three cores largely melted in the first three days.
- The accident was rated 7 on the INES scale, due to high radioactive releases in the first few days. Four reactors are written off - 2719 MWe net.
- After two weeks the three reactors (units 1-3) were stable with water addition but no proper heat sink for removal of decay heat from fuel. By July they were being cooled with recycled water from the new treatment plant. Reactor temperatures had fallen to below 80°C at the end of October, and official 'cold shutdown condition' was announced in mid December.
- Apart from cooling, the basic ongoing task was to prevent release of radioactive materials, particularly in contaminated water leaked from the three units.
- There have been no deaths or cases of radiation sickness from the nuclear accident, but over 100,000 people had to be evacuated from their homes to ensure this. Government nervousness delays their return.



EXERCISE:

Come up with 10 FACTS mentioned in this video.



HOMEWORK...

- continue to work on paper
- continue to work on ecopoints
- start preparing for unit test

 Review - Unit 2.pdf

Attachments

Notes - Cycles.pdf

Review - Unit 2.pdf