



Nuclear Waste
2010-10-25

Akko Karlsson

Miljöpartiet de gröna

Green Party of Sweden

- 1: Member of the national Green board: Energy & Green business
- 2 Vice Chairperson of Kalmar Regional council board
- 3 Spokesperson of regional Greens
- 4 Regional Healthcare Council
- 5 Member of Municipality Council





My thoughts about nuclearwaste

1: Today's problems can not be resolved by yesterday's solutions as fossil fuel and uranium energy

A Green Shift will help save the climate, create more jobs and boost the economy...



WHY ?

1945-50 / Sweden neuclear program of war

Test areas up north of Sweden

1971 / Parlament makes Nuclear civil energy product

-Waste payment in the process from day one!

-**1980** / Huge choice about to be or not to be nuclearplants in Sweden

People voted to *"end up production when plants went old and out of order in **2010**"*

Harrisburg1979, Chernobyl 1986

-**2009** Government open up nuclear task again

-**2010-** Parliament went for a plan to build 10 new powerplants just with 2 votes majority 17/6.



BELARUS. 1997. Children's Home No. 1, Minsk. An attendant bathes a helpless 4-year-old child with multiple sclerosis.

[x]

◀ || ▶ ◊ | ← | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | →





We must reduce global emissions of greenhouse gases. Greens want to campaign globally to phase out all subsidies on coal, oil and nuclear power.

- Civil (“peaceful”) atom and Nuclear arms should be considered as twins
- Radiation activity pollutes the environment
- Air–water- soil and food products can be radioactively contaminated without our knowledge
- Brings bad health conditions
- Nor industrial nuclear neither nuclear waste will provide both human life and environment with safety and security in the future

End production of industrial nuclear is the way to lower risks
And take care of the waste already produced



Barsebäck
NPP
was...

WASTE ...

Sweden have nuclear waste since electric production of 1971 and towards...

Of course it has to be secured and taking care of ...

But what about air and water?

Brought Baltic heavily polluted of radiation

Local SKB/health control is lack of cancer studies



No one living can assure security even of the 1000 first radiation years to come....



<http://www.intoeternitythemovie.com/>

miljöpartiet de gröna





Facts about nuclear waste

- High-level nuclear waste is the inevitable result of nuclear energy production.
 - The waste will remain radioactive and/or radiotoxic **for at least 100 000 years.**
 - It is estimated that the total amount of high-level nuclear waste in the world today is between **250 000 and 300 000 tons.**
- The amount of waste increases daily.

Transmutation

- Research is carried out into the possibility of transmutation, which is a process that may reduce the toxicity of the waste and time span in which it will be dangerous. So far, transmutation is a theoretical option only, that scientists have conceived, but not yet been able to try out in reality. If transmutation becomes a reality, the amount of high-level nuclear waste may be reduced, but not avoided.

Permanent storage

- To ensure that the waste is kept isolated from all living organisms and does not spill into nature, permanent storages are needed, as we cannot ensure continuous surveillance, security management, or maintenance of interim storage for the duration of the security standard period of 100 000 (EU) to 1 000 000 (US) years.
- Permanent waste storages must be located in very stable environments. Areas with volcanic or seismic activity are ruled out, as are lowlands that are subject to potential flooding or rising sea levels, eroded or porous bedrock where ground water leaks may occur. Nuclear energy producing countries without suitable sites for permanent storages may have to export their waste to other countries.

Reprocessing

Spent nuclear fuel may be reprocessed as only a fraction of the energy in the fuel rods are used, before they are moved from the reactors to the interim storage.

Plutonium is a bi-product of reprocessing. Plutonium is a vital ingredient in nuclear bombs. It is a political decision and a consequence of the non-proliferation act, that reprocessing is not carried out today.

If reprocessing is later practised, spent nuclear fuel will remain in interim storage. The amount of high-level nuclear waste may be reduced, but not avoided through reprocessing.



<http://www.intoeternitythemovie.com/>

miljöpartiet de gröna





No one living can assure security even of the 1000 first radiation years to come....

Thanks!

<http://akkomp.wordpress.com>

akko@mp.se

<http://www.intoeternitythemovie.com/>

miljöpartiet de gröna

