

ESTONIA and NUCLEAR

Argo Loo

Engineer of energetics

Green

Nuclear sites in Estonia

- From Soviet occupation time we have 3 different nuclear objects – all of them on the Baltic sea coast and 80 km from Finland:

Conserved Soviet military Submarine Nuclear reactor, closed uranium mining place and closed nuclear waste disposal – 80. from sea.

- Since 2006 there is a Swedish company who is sterilizing the medical equipment with radioactive measures. As it was built without informing the local people, they started a courtcase against the company. They lost.

State owned company Estonian Energy and government

- Plan to build together with Lithuania, Poland and Latvia NPP to Ignalina (Lithuania).
- On 20th anniversary of Chernobol prime minister said that we will not have the waste from Ignalina.
- Plan to participate building a NPP in Finland.
- Some politicians and one Academician Anto Raukas think that is better to build 1-3 small NPP-s in Estonia. For some people it is the clever nondirect threat – correct answer is: better NPP in Ignalina.
- They think that having WPP-s without NPP we need gas power stations compensating wind energy on nonwindy days and it makes our future depending from Russian gas, they do not want it.

Opposition and people

- People is divided, 50:50. Many point to Chernobol, others look to Finland saying this is modern and safe way and inevitable with climate change.
- The biggest political party wants to have a referenda about NPP building to Lithuania.
- From March 2007 we have Greens in Estonian parliament, they are against of NPP.

The EIA is going on for Ignalina

- In 26th of september I sent two e-mails: one Ulla Klötzers e-mail with proposals and another with my proposals to Environmental Ministry on address which was indicated by country authorities. I got back the automatic letter that this address is unused!
- 20 days later I asked if the Ministry got our proposals – today 20 days after I got no answer!

Wind energy in Estonia

- We have Baltic Sea surrounding us from two sides, big lake from one side, have more than thousand islands and shallow offshore in the open sea. So we are in very good position for using wind energy.
- **Today we consume 1800MW** of electricity, **56MW** was coming from wind in May 2007, most from private companies. This is less than 3%.
- there are **licences** for **joining main electricity net** for more **686 MW** and the companies want **more 1900MW**.
- **Government is supporting renewable energy, before elections they raised support, after decreased.**

Offshore windmills and combined PP-s

- Today most of the wind power plants are situating on the coast.
- According to private companies plans the **offshore** windpower plants could cover half of Estonian energy consumption. Also they are 1,5 times more effective and far away from human look.
- Months ago in Tartu was opened Combined powerplant which is producing electricity and heat together, soon there will be another one nearby Tallinn. Combined production is more cost effective. The fuel is wood, pellets and beat (turvas).

Fertility

- Some years ago there was a study about the male fertility. The results showed that within 50 years fertility decreased 2 times in Finland, Estonia and Latvia and almost free times in Denmark and Germany. If it will drop with same speed all the Danish and German men are unfertil for 2050 and we will follow them by 2060.
- The authors of study find different reasons like chemical pollution, changed living style. He did not mentioned radioactivity.
- But the influence of radiactivity on fertility is wellknown fact for most of us and I am surprised that there are no studies about this. I hope that I am wrong, if not there should be.

Two books written by Doctors with wisdom

- One which improved for me that Native peoples were and are right saying that plants and animals are our relatives because of common DNA basis.

Cosmic Serpent by Jeremy Narby (DNA and sources of knowledge).

- Another which made me agree that big multinational corporations are cancer for Mother Earth.

Post-corporated world: Life after capitalism.
David Korten.

What can we do

- We have to follow **Natural Law** which main principle is: We get what we give. We can not cheat this law. Lets have a wisdom😊.
- Humanity is decreasing the **fertility** of Nature so fertility of humans is dropping too.
- We should stop changing the soil and minerals into the things what we do not need and which end after short consumption period in trash mountines. Uranium and plutonium is worst case. Clothes, plastic bags, electronics, toys.
- Lets stop transporting things, humans, plants and animals around without any serious need.