

# Fukushima Update Winter 2014

Coming up to 4 years after the triple meltdown at Fukushima in Japan, where are we? Dr. Quamrul Haider, professor of physics and chair of the dept. of physics at Fordham University, USA, summed it up last week: 'Fukushima will linger on for ages to haunt the future generations.

Among the survivors there will be many cases of permanent sterility, increase of genetic mutations in our progenies, and a shortened life-span as a result of cancer and other radiogenic diseases'.

The truth about Fukushima's true condition continues to dribble out. TEPCO (Tokyo Electric Power Company) admitted in August 2014 that 2 trillion bequerels (Bqs) of radioactivity was flowing into the harbour at Fukushima every month during 2013. This included 450 billion Bqs per month of strontium 90. Called 'the bone-seeker', once it's inside your body strontium 90 sits in your bones radiating the bone marrow and causing bone cancer and leukemia. TEPCO only just released this astronomical number from 2013 to claim that the numbers this year (2014) were better. It's like driving by only watching your rear-view mirrors, as an honest view ahead 'might cause distress'. In this case the distress would be from not being able to reopen the other 48 nuclear power plants which were built in Japan, in which a lot of money was invested. It seems that it's cheaper to let the children get thyroid cancer and leukemia. Future generations? Write them off as a business expense.

The other main thing going on at the

Fukushima plant has been the attempt to build an 'ice wall' around the wrecks to stop groundwater flowing through them, contacting the fuel, and flowing out and into the sea. This involved first of all draining the tunnels between the plant and the sea of 11,000 tons of highly radioactive water. When these plans didn't work TEPCO gave up on them, and have not yet announced a plan B. Attempts to seal off the concrete tunnels from the turbine buildings came to naught as they were probably cracked by the earthquake and continue to fill with highly radioactive water despite various attempts to fill them with grout, concrete, ice and nappies.

This leads on to the next problem. Groundwater from test well 1-17, between reactor two and the sea, contained 990,000 Bqs/litre of strontium 90, the afore-mentioned bone-seeker. A year ago, this test well contained 2.1 Bqs/litre. That's a 50,000,000% increase in just one year, and indicates where we're headed with this catastrophe. A huge pool of extremely radioactive water forming under the plant and oozing towards the ocean, 100 metres away. And it will continue to do so, for decades, as no methods or plan exist to stop this.

Much of this radioactive water will travel via ocean currents to the west coast of America and Canada. Already nearly all the starfish have died along this coast. Whether due to Fukushima radiation or to a new virus, scientists claim they don't know, and seem to be busily looking the other way. Has a virus mutated to a new,

deadlier form due to radiation or has the radiation weakened the starfish so much that an opportunistic virus or bacteria has suddenly had a deadly effect? Scientists say 'we don't know what it is, but it can't be Fukushima radiation', ad nauseam. If you don't know what it is then you don't know what it isn't either.

Why have 100% of the newborn killer whales off the Californian coast have died in the last three years? 9 Bq/m<sup>3</sup> of radiation has been found in the seawater off the Californian coast. This is the head of the plume of radioactivity from Fukushima, which has now crossed the whole Pacific Ocean. These levels will rise for decades, possibly centuries, concentrating up through the food chain, topping out in the top predators, whales - and us.

Plutonium and uranium were found in the black dust 120 kms away from the Fukushima nuclear plant, which we have now been told must have been transported by the hydrogen explosion at reactor 3 on March 15th, 2011. Plutonium, a man-made metal which does not occur in nature, one of the deadliest, most poisonous, most cancer-inducing substances known to man, now sprinkled liberally across the Japanese landscape, but denied by TEPCO for 3 1/2 years. TEPCO and Prime Minister Abe fight to contain bad news, not to contain the radiation. Now they plan again to dump the 400,000 tons of poisoned water into the Pacific, 'because there is so much of it'.

Meanwhile Keith Baverstock, a former WHO radiation expert slammed the much

quoted UNSCEAR report that predicted only minor health damage from Fukushima radiation. He said the report was 'not qualified to be called scientific, and the committee should be disbanded. Its members are nominated by nations that have a vested interest in nuclear power.' When he worked at WHO, a UN agency, he felt constant pressure from the IAEA to downplay radiation effects, as their mandate is to promote nuclear power.

On his retirement, Guy Crittenden, editor of Hazmat Management magazine for 25 years said in his final editorial that Fukushima is exponentially more dire than Chernobyl, and that the deteriorating plant threatens mass extinction around the world.

The final word to Dr. Haider, PhD: 'Wars, plague, famine and natural disasters were known as the 'Four Horsemen of The Apocalypse'. After Chernobyl and Fukushima, nuclear accidents can be added as another horseman.'

We recommend this video:-  
<https://www.youtube.com/watch?v=9mn8XUxVq0g>. It talks of the fuel rods in reactor 4, which have now mostly been removed. But it talks of the other problems too, which are ongoing. For centuries.

Wind and solar are safer.

For good daily updates, go to [enenews.com](http://enenews.com), [fukushima-diary.com](http://fukushima-diary.com), or [no2nuclearpower.org.uk](http://no2nuclearpower.org.uk).

Written by Kick Nuclear:  
[stopnuclearpoweruk.net/groups/kicknuclear](http://stopnuclearpoweruk.net/groups/kicknuclear)