

Re: New Book of Rules

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2006-08/msg01961.html>

- *From:* joseph2k <quiettechblue@xxxxxxxx>
 - *Date:* Sun, 13 Aug 2006 01:40:02 GMT
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reply interstitial

Eeyore wrote:

Jim Yanik wrote:

Richard The Dreaded Libertarian <null@xxxxxxxx> wrote in
news:pan.2006.08.08.21.53.47.770682@xxxxxxxx:

On Mon, 07 Aug 2006 19:18:16 +0100, John Woodgate
wrote:

In message
<92ued29drs5ivb9483hvqsveon0m14h012@xxxxxxxx>,
dated Mon, 7
Aug 2006, Phat Bytestard
<phatbytestard@xxxxxxxxxxxxxxxxxxxxxxxx>
writes

It isn't his power sources in
question, it is his intentions
with the
spent fuel rods,

The US is objecting to enrichment of
uranium beyond the 5% or so
required for peaceful purposes. If there are
plans to extract Pu239
from fuel rods, there won't BE any spent fuel
rods for about 5 years.

Re: New Book of Rules

Some reactor types can make PU aside from the normal complement of fuel rods. Russian reactors are like that, I believe.
Iran's reactor is from Russia.

There are three classes along this axis, fast breeder reactors (several times more new fuel than fuel spent), slow breeder reactors (producing about as much new fuel as they use) and non-breeder reactors (essentially not producing any new fuel).

All nuclear reactors make Plutonium. That's how you get it. It's not a naturally occurring substance.

Only in the sense that a really fine lab can detect the output in most reactors. Reactors that produce relatively useful amounts (in the part per billion to part per million range within the fuel content) are very specialized designs and not common relatively.

The idea that Russian reactors make more of it is as daft as the idea that the laws of physics behave any differently depending on the political regime in place.

Quite the converse the reactor designs are different because of the political climate. Thus, more reactors capable of producing recoverable quantities Plutonium.

Graham

reply interstitial

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JosephKK

Gegen Dummheit kämpfen die Götter Selbst, vergebens.

—Schiller

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