Re: Nuclear Genterated Hydrogen

Source: http://sci.tech−archive.net/Archive/sci.energy.hydrogen/2006−03/msg00041.html

- *From*: <d>
- *Date*: Wed, 15 Mar 2006 20:57:05 −0600

"Psiclone" <nunya@xxxxxxx> wrote in message
news:jENRf.3248$tW2.1034@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

> is it feAsible to generate hydrogen with a remote nuclear plant then put

it

> in tankers and ship it around to gas stations/electricity plants?
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> −−
> ...Can we solve the problems of tomorrow with the technology of today?

The biggest problem with hydrogen is not that it is hard to make. You can make it with nuclear, solar, wind, in fact most commercial H2 is make from natural gas. The hard part is transporting it. It takes alot of energy to compress it and when you do, you still don't have much energy per cubic foot. Transporting is costs the same per cubic foot as gasoline. Also it his hard on metal leading to shorter duty life for the tranporting medium. And once you have it, PEM fuel cells are very expensive because they us Platinum catalysts. They will only get more expensive because demand will drive up catalyst cost.

They most cost effective way to produce H2 now is from natural gas on site. This does not get you away from fossil fuels.

Like the sig of the other post, I am less optimistic about hydrogen after reading about the challenges.

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