Transcript of Good Morning Japan segment on natural hydrogen

(Anchor 1) Next is "Eyes On." "The Energy Revolution? Find White Hydrogen".
(Anchor 2) Have you heard of "white hydrogen"?
(Anchor 1) I am ashamed to say that I have not.
(Anchor 2) Not many people have heard of hydrogen, which has been found to exist in high concentrations in nature. While hydrogen is utilized as an energy source that does not emit carbon dioxide, the high cost of producing it artificially has become an issue. Against this backdrop, there is a new movement to commercialize this "white hydrogen" as an energy source.

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Voiceover, vision of Gold Hydrogen's South Australian tenement.
"Yorke Peninsula in southern Australia. Here, a start-up company established three years ago is now discovering "white hydrogen".

(Interview with Neil McDonald, Gold Hydrogen managing director. Not transcribed.)

Voiceover
"They used pipes to take samples from old oil and gas drilling sites that were used more than 90 years ago. And last year they discovered a high concentration of white hydrogen, 86%. This was enough to supply the energy consumed by the region for a long period of time."

(Another interview with Neil McDonald, not transcribed)

Voiceover
"The appeal of this product is its overwhelmingly low production cost. According to the company's own estimates, it could be produced at $1 per kilogram, one-fifth to one-tenth the cost of conventional hydrogen."

(Interview with Neil McDonald, not transcribed)

Voiceover
"White hydrogen" is mainly formed by chemical reactions between water underground and igneous rocks such as granite and basalt. It is believed to be buried in many parts of the world as it is blocked by limestone and other geological formations."

(Interview with CSIRO spokesman, not transcribed)

Voiceover
“Countries around the world are taking notice of the hidden potential of this "white hydrogen. A start-up company that has raised 91 million dollars, or approximately 14 billion Japanese yen, from investors such as Bill Gates has also begun to investigate.

“In this context, Japan has also begun to gather information.

“In the middle of last month, an independent Japanese government official visited an area with a large depression, about a two-hour drive from Perth, Australia.

“This is where an Australian national research institute regularly measures the concentration of hydrogen.

“Usually nothing is detected, but here, the results are promising.”

CSIRO quotes, not transcribed.

Japanese expert interviewed

“Japan still has a chance to catch up. I think companies won't take the plunge unless they have some idea of how they can develop the technology, so I'd like to gather information that will contribute to that.”

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Studio wraps up
(Anchor 1) There is a large amount of highly concentrated hydrogen lying in nature? Let's use that.
(Anchor 2) Yes, we should. However, according to experts, there are some aspects that are not yet clear, such as the amount that can actually be mined, the cost of mining, and the time it will take to commercialize the technology. On the other hand, however, If we wait until after the prospect of mining has been established, there is a high possibility that we will be left behind. It is necessary to get the important information before it is too late.
White hydrogen is a promising new energy source. It seems that Japan needs to hurry up its efforts so that this can be extracted smoothly.”