

## FLC 2013 Calendar Planner 8.20.12

### CSTs Clean Radioactive Waste in Fukushima and Worldwide

Crystalline Silico-Titanates (CSTs) are synthetic zeolites designed by Sandia National Laboratories (SNL) scientists to selectively capture radioactive cesium and other group I metals. When the huge earthquake and tsunami struck Japan on March 11, 2011, leading to the Fukushima Daiichi nuclear power plant accident, it was quickly determined that CSTs would be an excellent material to be used for the removal of radioactive cesium from contaminated seawater which had been used to cool the plant's reactors. Quick action by SNL and their corporate partner UOP, a Honeywell Company, led to licensing and deployment of the technology in Japan in just a few months, where it continues to be used to clean up cesium contaminated water at the Fukushima power plant.

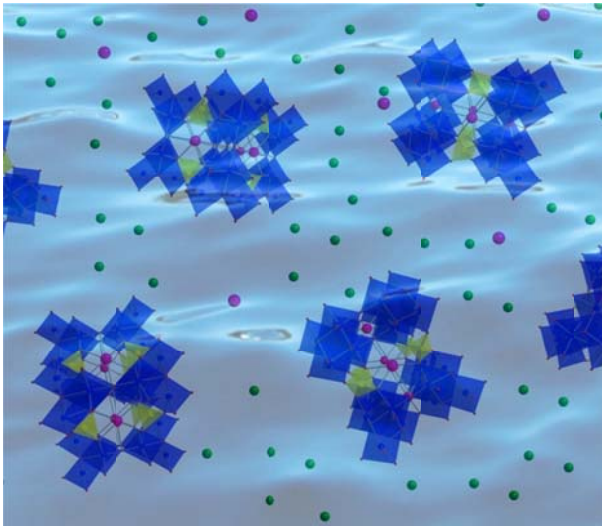


Image credit: May Nyman and Yu Hou

### About Sandia National Laboratories [www.sandia.gov](http://www.sandia.gov)

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