

OFFICE OF THE SECRETARY  
CORRESPONDENCE CONTROL TICKET

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AUTHOR: Tom Gurdziel  
AFFILIATION:  
ADDRESSEE: Gregory Jaczko  
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Bowman

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**Jooſten, Sandy**

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**From:** Tom Gurdziel [tgurdziel@twcny.rr.com]  
**Sent:** Tuesday, January 10, 2012 8:21 AM  
**To:** CHAIRMAN Resource  
**Cc:** hillsc@INPO.org; 'Tom Henry'; paul\_eddy@dps.state.ny.us; 'Vanags, Uldis'; P.Kaiser@iaea.org; jicc@ws.mofa.go.jp; Screnci, Diane; 'Clary, Gregory'  
**Subject:** Fukushima-related Comments for 1-10-2012

Good morning,

#### Ignition Source

As I was reading the section on "Potentially Explosive Environments" yesterday in my Nokia cellular telephone manual, I read: "Switch off your device when in any area with a potentially explosive atmosphere". Then I thought, what was the ignition source for the announced explosions in Unit 1 and Unit 3 and Unit 4 at Fukushima-Daiichi, (and the cause of that "loud noise" in the torus area of Unit 2?

In particular, since I believe there was no electric power there, was it a communication radio or cell telephone transmission? In other words, was it something we might be able to control or mitigate if the situation occurs again?

And, specifically, it would appear to me that, whenever the U.S. nuclear industry finally starts buying and staging some equipment for emergency use, that equipment to be used for emergency charging of station batteries should include such cautions for the battery rooms. Additionally, while I think about it, shouldn't provision be made for DC fans to provide room ventilation at that point?

Thank you,

Tom Gurdziel