

2126

General Information**Assigned Office:** RES**Other Assignees:****OEDO Due Date:****SECY Due Date:****Date Response****Requested by Originator:****Other Parties:****Subject:** Station Blackout Process Study - Melting Reactor Core**Description:****CC Routing:** NRR**ADAMS Accession Numbers - Incoming:****Response / Package:****Other Information****Cross Reference No:** LTR-13-0197**SRM\Other:** No**Process Information****Action Type:** Appropriate Action**OEDO Concurrence:** No**Signature Level:** No Signature Required**OCM Concurrence:** No**Special Instructions:****OCA Concurrence:** No

For Appropriate Action. If response is determined, please be sure to create an ADAMS Package to include the incoming (version we forward to you from DPC), with response and process accordingly. Copies should be sent to RidsEdoMailCenter and RidsSecyMailCenter.

Document Information**Originator Name:** Tom Gurdziel**Date of Incoming:** 02/28/2013**Originator Org:** Citizens**Document Received by OEDO Date:** 03/12/2013**Addressee:** Chairman Macfarlane**Incoming Task:** Letter**OEDO POC:** Rosales-Cooper

OFFICE OF THE SECRETARY
CORRESPONDENCE CONTROL TICKET

Date Printed: Mar 11, 2013 15:35

PAPER NUMBER: LTR-13-0197

LOGGING DATE: 03/07/2013

ACTION OFFICE: EDO

AUTHOR: Tom Gurdziel

AFFILIATION: NY

ADDRESSEE: CHRM Allison Macfarlane

SUBJECT: Concerns the accident condition of reestablishing a water supply to a melting reactor core

ACTION: Appropriate

DISTRIBUTION:

LETTER DATE: 02/28/2013

ACKNOWLEDGED No

SPECIAL HANDLING: Lead office to publicly release 24 hours after SECY's assignment, via SECY/EDO/DPC.

NOTES:

FILE LOCATION: ADAMS

DATE DUE:

DATE SIGNED:

9 Twin Orchard Drive

Oswego, NY 13126

Feb. 28, 2013

Chairman Allison M. Macfarlane

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

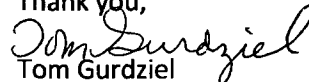
Dear Chairman Allison M. Macfarlane:

As I remember it, when doing Level I BWR PRA work some time ago, our conversation with our PRA consultant, (also a former utility company vice president), went beyond our assigned work to the accident condition of reestablishing a water supply to a melting reactor core. Thinking that we would be in good shape then, we asked him what he thought. He said: "You would be in trouble."

Well, it took Fukushima Daiichi and even more time to pass, but I think I understand his statement now. As a result, I am suggesting that a different station blackout, (severe accident (?)), process be studied now (in a low stress, non-urgent environment.)

Here is the idea. Supplying water to a melting zirconium/uranium core appears to be equivalent to manufacturing a bomb of hydrogen and oxygen. Once cooling water to the reactor core is lost long enough that core melting takes place, effectively write off the entire core and DO NOT SUPPLY ANY MORE WATER TO THE REACTOR VESSEL. Flood up the primary containment. (You lost the core anyway, why manufacture hydrogen and destroy the Reactor Building too?)

That's the idea. (I know it is unconventional.) The question is, will it work better than what we have now?

Thank you,

Tom Gurdziel

Copy:

Commissioner Kristine L. Svinicki

Commissioner George Apostolakis

Commissioner William D. Magwood, IV

Commissioner William C. Ostendorff

NRC FORM 253
(9-96)

U.S. NUCLEAR REGULATORY COMMISSION

DATE OF REQUEST

CONTROL NUMBER

MESSENGER/COURIER RECEIPT

3-7-13

TO: Chairman Allison McFarlane

OFFICE COMMOWFN

BUILDING

ROOM NUMBER 16G1

FROM: Thomas Gurdziel

OFFICE ADM

BUILDING OWFN

ROOM NUMBER PIC10

DESCRIPTION
USPS Certified envelope
7011 0470 0001 6538 4144

MESSENGER/COURIER SIGNATURE

MESSENGER/COURIER
MEC

DATE RECEIVED
3-7
TIME RECEIVED
1 PM

MESSENGER/COURIER

DATE RECEIVED
TIME RECEIVED

RECIPIENT'S SIGNATURE

RECIPIENT
Linda M. Mc

DATE RECEIVED
3-7-13
TIME RECEIVED
2:35 PM

SENDER:

1. Complete "DATE OF REQUEST," "TO:," "FROM:," and unclassified "DESCRIPTION" blocks.
2. Obtain MESSENGER/COURIER signature, date received, and time received in first blocks provided.
3. Retain "SENDER'S SUSPENSE COPY."

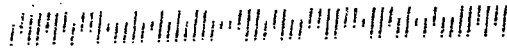
MESSENGER/COURIER:

1. Deliver package to recipient or next messenger/courier enroute to addressee.
2. Obtain MESSENGER/COURIER or RECIPIENT signature, date received, and time received in the appropriate blocks provided.

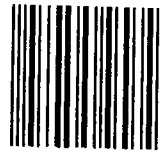
RECIPIENT:

1. Provide signature, date received, and time received in the appropriate blocks.
2. Retain RECIPIENT'S COPY.
3. Return original to messenger/courier immediately, who will return it to the sender.

Thomas Gurdziel
9 Twin Orchard Drive
Oswego, NY 13126



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20555

Chairman Allison M. Macfarlane
U.S. Nuclear Regulatory Commission *FW2*
Washington, DC

~~20555-0001~~

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