

**Csontos, Aladar**

---

**From:** Csontos, Aladar  
**Sent:** Thursday, December 20, 2012 12:43 PM  
**To:** Hardies, Robert  
**Subject:** RE: Doel 3 plans and proposed actions

Ok thanks.

**From:** Hardies, Robert  
**Sent:** Thursday, December 20, 2012 12:21 PM  
**To:** Csontos, Aladar  
**Subject:** RE: Doel 3 plans and proposed actions

(b)(5)

Robert Hardies  
Senior Level Advisor for Materials Engineering  
Division of Engineering  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission

Office Phone 301 415-5802

Cell (b)(6)

**From:** Csontos, Aladar  
**Sent:** Thursday, December 20, 2012 9:04 AM  
**To:** Hardies, Robert  
**Subject:** RE: Doel 3 plans and proposed actions

FYI,

You and Cheok sent out information yesterday that the Chairman asked that you keep confidential. Its out of the bag now, so I don't know how to contain it, but, you may also want to send the highlighted to the distribution on Cheok's previous email. I probably wouldn't see it anyway, so if its already done, then no biggie.

Also, my folks tell me that the safety documents indicated that the Belgian regulators were on-site during fabrication. So, we may want to revise the slides for future talks.

**From:** Hardies, Robert  
**Sent:** Thursday, December 20, 2012 8:48 AM  
**To:** Fairbanks, Carolyn; Rosenberg, Stacey; Kirk, Mark; Stevens, Gary; Nove, Carol; Csontos, Aladar; Poehler, Jeffrey;

Davis, Robert

**Subject:** Doel 3 plans and proposed actions

Just to bring everyone up to date:

Recent events:

Electrobel published their safety case and associated documents; we have reviewed it.  
Mark Kirk participated in expert review panel  
ASN visited NRC to discuss materials issues  
Gary and Jeff provided feedback to FANC for their prospective working groups. The feedback was positive.

(b)(4),(b)(7)(D)

Future actions that are planned

NRO may intervene in receipt inspection of new vessels to see if they are affected.  
Carolyn will update the Comm plan to reflect the possible or probable permanent shut down of Doel and Tihange (be prepared for questions from stakeholders)

Carolyn will finish the draft information notice

Mark and I will travel to FANC for the Jan 7-8 closeout/summary meeting

Stacey and I will attempt to get on the LT schedule before Jan 15 to indicate that FANC is likely not to approve restart and to propose a contingency for generic communications to require plants to review records (one complication is that it will not be possible to get on the calendar since there are no LT meetings between the FANC review meeting and the 15<sup>th</sup>).

FANC will announce decision (expected January 15)

Industry will discuss the activity to perform a PFM analysis on the January 15 materials industry exec/NRC management phone call

FANC will publically release the Electrobel analyses, reports and findings, and the recommendations of the internal, external, international and expert review groups in mid-late January, we expect.

We have scheduled a public meeting with industry (to permit all of our stakeholders the opportunity to learn) to discuss industry and NRC proposed actions.

Farther out, we will receive the industry analysis for review

We will review the industry analysis

Other things we need to do:

We need to get together and strategize what our short, intermediate and long term activities should be. With holidays and travel, the only dates that seem to be available where most of us are here are Jan 11 and Jan 14. I will send out a scheduler.

Our current primary approach is to rely on the excellent technical evaluation of Doel and Tihange, and our prior engineering understanding of laminar flaws and our acceptance of the ASME Code to provide us reasonable assurance that U.S. plants do not have a safety issue. As an added tangible activity, industry is performing an analysis, we are holding a public meeting, and we are issuing an information notice. We may also want to have plants review their original records and/or perform a zero degree exam on their forgings.

Robert Hardies  
Senior Level Advisor for Materials Engineering  
Division of Engineering  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission

Office Phone 301 415-5802

Cell

(b)(6)