

Poehler, Jeffrey

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**From:** Poehler, Jeffrey *inrr*  
**Sent:** Thursday, September 27, 2012 8:37 AM  
**To:** Stevens, Gary  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

Thanks,

Jeffrey C. Poehler  
Sr. Materials Engineer  
NRR/DE/EVIB  
(301) 415-8353

**From:** Stevens, Gary *inrr*  
**Sent:** Thursday, September 27, 2012 7:48 AM  
**To:** Poehler, Jeffrey  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

Yes, that one I've seen.

Also, I am reviewing your hydrogen flaking document. I should have some minor comments to you later this a.m.

Gary L. Stevens  
Senior Materials Engineer  
NRC/RES/DE/CIB  
E-mail: [Gary.Stevens@nrc.gov](mailto:Gary.Stevens@nrc.gov)  
Office: 301-251-7569

**From:** Poehler, Jeffrey  
**Sent:** Thursday, September 27, 2012 7:41 AM  
**To:** Stevens, Gary  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

Maybe next Wednesday's meeting will provide us all some more direction....you have seen the attached document? Bob forwarded it last week but it is not obvious by the title or email subject what it is.

Jeffrey C. Poehler  
Sr. Materials Engineer  
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**From:** Stevens, Gary  
**Sent:** Wednesday, September 26, 2012 3:52 PM  
**To:** Poehler, Jeffrey  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

I am on the FM working group, but have not been given any direction, information, or data by anyone. All I know is I'm supposed to go to Belgium for a 10/16 meeting, and have a beer party in your hotel room.

Gary L. Stevens

*B/102*

Senior Materials Engineer  
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**From:** Poehler, Jeffrey  
**Sent:** Wednesday, September 26, 2012 3:50 PM  
**To:** Stevens, Gary  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

As far as the objective, I was assigned by my management to work on the metallurgical piece of the flaking issues. Bob Hardies wanted to find out if we could identify factors that could be used to identify susceptible forgings. I'm attending the metallurgical /root cause expert group next month and so is Bob for continuity. The other pieces were the NDE aspects (Carol Nove) and fracture mechanics/structural integrity being worked on by you or Mark Kirk? Carolyn Fairbanks is working on a communications plan on the Doel 3 issue for NRR.

So, I kind of made up the objectives for the document because my direction was rather vague to begin with.

Jeffrey C. Poehler  
Sr. Materials Engineer  
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**From:** Stevens, Gary  
**Sent:** Wednesday, September 26, 2012 3:00 PM  
**To:** Poehler, Jeffrey  
**Subject:** RE: Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

Jeff:

Nice work.

Are you working towards a stated objective? If so, where did you obtain that objective?

I'm not trying to be smart or anything, I'm just wondering because I have not been given any information regarding our pending visit to Belgium. No data, nothing. So, I'm not doing anything. It makes me feel like I'll be showing up uninformed and stupid.

Gary L. Stevens  
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**From:** Poehler, Jeffrey  
**Sent:** Wednesday, September 26, 2012 2:36 PM  
**To:** Hardies, Robert; Fairbanks, Carolyn; Stevens, Gary; Nove, Carol; Kirk, Mark  
**Cc:** Rosenberg, Stacey  
**Subject:** Metallurgy of Hydrogen Flaking Document - for Doel 3 Meeting

The attached summarizes what I have learned regarding the metallurgy of hydrogen flaking so far. It's obviously still a work in progress but I wanted to get something out in time for people to have time to skim it prior to next Wednesday's meeting.

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