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**From:** David Satterfield  
**To:** Hourani, Ghazi F. (CIV)  
**CC:** Hunstad, Mary P CIV NAVSEA HQ, SEA 05; Berchtold, Brian D CIV NAVSEA HQ, NAVSEA 05  
**Sent:** 2/7/2012 8:19:07 PM  
**Subject:** RE: AFFF PFOA question from NEHC  
**Attachments:** FFFC AFFF factsheet.pdf; FFFC AFFF update 2011.pdf

Hi Ghazi,

Mary Hunstad, NAVSEA 05P5, is the TWH who owns Navy shipboard fire protection systems, including AFFF. Your question should be directed to her.

Attached are two commercial documents which discuss recent efforts to reduce long-carbon chain PFOAs and PFCAs in AFFF. Note that these documents don't necessarily reflect the position of the US Navy.

It was nice to chat with you at the January WSESRB. The UV eye hazard to firefighters from ordnance and metal fires is still an interest item. Hope you can help us make some progress with this issue.

R/ Dave Satterfield

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-----Original Message-----

From: Hourani, Ghazi F. (CIV) [mailto:Ghazi.Hourani@med.navy.mil]  
Sent: Tuesday, February 07, 2012 3:02 PM  
To: David Satterfield  
Subject: AFFF question

Dave,  
Since 2001, Have all the US Navy ships replaced the old AFFF with the new AFFF produced using smaller chain of polyflorocompounds?

R/ Ghazi Hourani