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**From:** Berkoski, Daniel T CIV NAVSEA, SEA 05  
**To:** Glover, Carl CIV CNIC HQ, N3; King, Thomas W CIV I&L; John P. Farley <john.farley@nrl.navy.mil> (john.farley@nrl.navy.mil); Simone, Joseph A CIV NAVFAC HQ, CI; Smith, Gordon CIV SEA 05  
**CC:** Hunstad, Mary P CIV NAVSEA HQ, SEA 05  
**Sent:** 10/20/2014 12:31:57 PM  
**Subject:** FW: Cost/Benefit Analysis of Legacy AFFF Replacement (UNCLASSIFIED)  
**Attachments:** OSD-ATL Study Guide\_Legacy AFFF LCC Assessment\_draft .docx

Gentlemen,

Forwarding the following on behalf of Mary Hunstad (NAVSEA Fire Protection Systems TWH). This is a follow-up development to a PFOS/PFOA AFFF meeting we had in September originated by OUSD(I&E). The attached document goes into the details. We're looking to provide a consolidated Navy response, so please review and return comments to my attention NLT Tuesday 10/28. Please indicate if you'd like to be part of the study working group.

Joe, feel free to forward to your counterparts at AF/Army. It looks like this has been distributed mainly to the environmental community, so their fire protection community may not yet be aware.

V/r,

Dan Berkoski, P.E.  
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FPS / D&F Recoverability  
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-----Original Message-----

From: Yaroschak, Paul J DOD @ ERD-VA [mailto:Paul.J.Yaroschak@usace.army.mil]  
Sent: Friday, October 17, 2014 12:59 PM  
To: Mach, Richard CIV OASN (EI&E), ODASN (Environment); Tesner, John; Caravello, Victor (Vic) LTCOL USAF SAF-IE (US); Nanette Werner (DLA)  
Cc: (eric.t.evanson.ctr@mail.mil); Alexandria Long ; Andrew Rak (Noblis); Meyer, Anita K HNC@NWO; Art Kaminski (arthur.s.kaminski.civ@mail.mil); Bass, Nikki ; Brad Nelson ; Donohue, Cathleen M CAPT OASN (EI&E), ODASN Safety; Craig Postlewaite ; Darby, William M COL USARMY HQDA ASA IEE (US); Dave Cammarota ; Deborah Morefield (deborah.a.morefield.civ@mail.mil); Fairlie, Catherine A CIV USAF SAF-IE (US); Mestey, Felix CIV OPNAV, N45; Hoda, Badrul CIV USAF AF-A4-7 ; Janet Anderson (janet.anderson.5@us.af.mil); Rudroff, Jim CIV OASN (EI&E), ODASN Environment; John Seibert (john.f.seibert.civ@mail.mil); Tesner, John; Kelly Scanlon (Noblis); Kevin Kivimaki (Kevin.kivimaki@dla.mil); Kowalczyk, Daniel F CTR USAF SAF-IE (US); Lee Plowden (lee.plowden.civ@mail.mil); Holland, Leslie CIV OASN (EI&E), ODASN Safety; Malcolm Garg (malcolm.j.garg.civ@mail.mil); Turner, Misha GS13 I&L, LFL; Paine, Mark MAJ USAF SAF-IE (US); Pete Sternniski ; Mach, Richard CIV OASN (EI&E), ODASN (Environment); Sam Brock (AFCEC); Sherri Hutchens (Sherri.Hutchens@us.army.mil); Stefan Tretiak ; Tammi Sinosky; Terry Emmert (OSD-AT&L); thierry.l.chiapello; Vance Lineberger (AF); Holmes, Wanda L CIV OPNAV, N45; Hunstad, Mary P CIV NAVSEA HQ, SEA 05  
Subject: Cost/Benefit Analysis of Legacy AFFF Replacement (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Richard, John, Vic and Nanette: We held a special EC Steering Group meeting on PFOA/PFOS issues as requested by the Services on 2 September. One result of that meeting was a request for ODUSD(I&E) EC Program to conduct a cost/benefit analysis regarding the replacement throughout DoD of legacy (PFOS based) AFFF. The motivation for the study was the costly assessment and cleanup actions resulting from releases of legacy AFFF.

On 24 September, DUSD(I&E) staff participated with a host of Navy staff (e.g., DASN(E), NAVSEA, NRL, N45, CNIC) to discuss issues relating to the DoD MilSpec managed by NAVSEA and newer AFFF formulations. During that meeting, basic agreement was reached on the parameters of the cost/benefit study. Attached is a draft study plan following the NAVSEA template. Please do the following by 3 November:

- (1) Provide any comments on the study plan to Drew Rak at Noblis (Andrew.Rak@Noblis.org <mailto:Andrew.Rak@Noblis.org>)
- (2) Provide nominations to the study Working Group as described in the plan.

Thanks. Paul

Paul. J. Yaroschak, P.E.

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Classification: UNCLASSIFIED  
Caveats: NONE