
From: Ralph Ouellette
To: Fletcher, Steven G CIV NSWCCD PHIL, PA
Sent: 12/9/2014 3:33:14 PM
Subject: RE: MilSpec AFFF Revision

1 inch to first knuckle.

Non-air aspirating nozzle @2gpm may have a reach problem (may have to develop a nozzle). We used to do a 1,260 sq. ft. (40 ft. diameter) test with a 60 gpm. Vari - nozzle. Had to meet 90% control in less than 60 seconds.

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

From: Fletcher, Steven G CIV NSWCCD PHIL, PA [mailto:steven.g.fletcher@navy.mil]
Sent: Tuesday, December 09, 2014 10:01 AM
To: John P. Farley; Ralph Ouellette
Cc: Berkoski, Daniel T CIV NAVSEA, SEA 05
Subject: MilSpec AFFF Revision

John,

A few questions regarding the revision of the MilSpec:

1. Dan mentioned that you had a report (not NRL written) that compared toxicity of killifish and Rainbow Trout. Our concern is that we may need to conduct some testing to determine a comparative requirement is we switch to Rainbow Trout. Do you have such a report?
2. Do we still need to do compatibility testing with 3M? I know there a probably a few containers in the fleet here and there. The problem is that when the manufacturers want to do their own in-house testing, they won't have access to any 3M AFFF.
3. Do we want to specify a water temperature range (water in the pan)? If so, what do you think is a good range?
4. I think we should specify a water depth in the pan. I know it is getting into the weeds, but we need a spec written in spec language. It's not very professional to tell them fill the pan with some water. I'm thinking that we specify 1/2" or 3/4". Have Ralph measure his finger to the first knuckle.
5. As far as the number of attempts and the number of passes required, we are thinking that a maximum of four attempts are allowed with two passes required. The thinking is that if you don't get at least two passes, you will get at least 3/4 fails, which would indicate a bad foam. Your thoughts?
6. Bob Darwin suggested a limited fire test using a non-air aspirating nozzle in order to confirm that the product works with non-air aspirating nozzles (like fire hose nozzles and ARFF trucks).

v/r,

Steve Fletcher, P.E.
Fire Protection Engineer
NSWCCD 668/SEA 05P5
Washington, D.C.
202-781-0932