

Target Chemical List Subcommittee
Washington Navy Yard
1333 Isaac Hull Avenue, SE
Washington DC 20376
16 September 2003

INTRODUCTION

The participants included: LTJG Jon Pentzien, Tom Cook, Nicole Starrette, Mike Host, Dave Alguard, Ben Zlateff, Jeff Dell'Omo, Bert Torres, and Kim Gray

REVIEW OF PDS

The group started off by reviewing the revised PDS. The main focus of the PDS was to review the POA&M to make sure that the group was in agreement. The shipyards reviewed items 1.0 – 1.5 and the acquisition community reviewed items 2.0 – 2.5. From the first set, it was noted that item 1.1 "Listing of Key Processes/Products that drive target chemical usage with NAVSEA" needed to add NAVSEA 05M as a significant player. Mr. Dell'Omo stated that he would provide a revised order as to how the acquisition information should be arranged.

There were a lot of concerns on why it is so hard to track down a chemical and who is mandating the target chemical use. It was mentioned that we needed to get the NAVSEA Tech Codes involved early (i.e. NAVSEA 05M/M1). LTJG Pentzien stated that if this is such a huge problem, the individuals/activities who are experiencing this problem needed to provide him with a set of questions that could be consolidated and provided to NAVSEA 05M so they may address them at the next P2 Working Group being held 9 -11 December in Williamsburg, VA. A question was raised as to whether this was something the FASTT Team would have a focus on or knowledge of. LTJG Pentzien stated that he was going to attend a FASTT visit during mid October at Portsmouth NSY and would bring this issue up and provide an answer back to the subcommittee at the next meeting. Even though the members brought up some good ideas and issues regarding paint, it was noted that the paint reformulation might have gone as far as it can. If that is so that will have to be the answer. Now we must look at BMP's for cleaning, application and equipment.

- POA&M – can be found on the [PDS](#).

DISCUSSION ON TARGET CHEMICAL DATA COLLECTED BY FIELD ACTIVITIES

Upon reviewing the consolidated spreadsheet, at first glance there were 5 chemicals that stood out: Ethylene Glycol, Methyl Ethyl Ketone (MEK), N-Butyl Alcohol, Xylene, and Toluene. Mr. Torres stated that at SUPSHIP SD they use Methyl Amyl Ketone (MAK) instead of MEK. Some issues were raised from other shipyards regarding MAK. It was stated that MAK may pose a health risk. It has a 50 ppm TLV and a 109°F flashpoint. NUWC Newport and NNSY stated that they would take a look to see if they are using MAK in any of their cleaning processes. Once feedback is provided back from the shipyards and if the group feels that this is a better product than MEK, NAVSEA 04RE will send out some sort of formal announcement (email, letter, etc.) stating that there is a possible substitution for MEK. However, as far as SUPSHIP SD's, usage of MAK, they are complying in reducing their HAP emission inventory and usage of MEK. This in effect shields SUPSHIP from being a major source for HAP emission, which is below the 10-ton limit for single HAP. For more information regarding MEK please click here for the fact sheet on [Proposed Rule to Remove Methyl Ethyl Ketone \(MEK\) From Regulations As a Toxic Air Pollutant](#). Brief discussions were held regarding a database being developed by NSWC, Carderock. At the present time this database has a compilation of chemicals from different programs. A copy of the chemical selection/substitution tool was requested. However, Mr. Dell'Omo stated he would pass the request over to Mr. Ung since he would be the one to release it to the public. Since there was such a huge interest in seeing this database from the activities it was noted that it would be an agenda item at the next meeting.

NEXT STEP/ACTION

Using the data gathered, all submitting activities will determine which processes the five big hitters identified occur in rough percentages or in lbs used. Also, they will identify what is the controlling technical document driving the chemical use, if any. Please submit this information in EXCEL format.

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ACTION ITEMS

1. Upon reviewing the 2001 and 2002 data on total quantities (in pounds) for each of the 16 target chemicals it was determined by the group that the following 5 chemical were considered the most consistent heavy hitters for our field activities. The list goes as follows:

Ethylene Glycol, N-Butyl Alcohol, Methyl Ethyl Ketone, Xylene, and Toluene

The subcommittee agreed that all activities would provide by process, either as a rough percentage or in pounds, where these chemicals are being used (i.e. paint formulation, surface prep, equipment cleaning, etc). Also state, if known, whether it is governed by a Tech Spec outside activity control or if it appears that the chemical in that process is being used just because that has traditionally been the case. If it is controlled by a Tech Spec or some higher authority, please identify (again where possible) the spec and who is the technical authority. Request this information be provided by **COB 29 October 2003 to Ms. Kim Gray** at kimberly.d.gray@baesystems.com so it can be consolidated for use at our next subcommittee meeting tentatively scheduled for 1300 EST 5 November 2003.

2. PSNS will share results from Clean-up Paint Hoses

ADJOURN

The next meeting is scheduled for 5 November 2003.