

From: Erickson, Randal L CIV SEA 04 [randal.erickson@navy.mil]
Sent: Tuesday, July 12, 2011 9:44 AM
To: Modes, Kathy
Cc: Erickson, Randal L CIV SEA 04
Subject: RE: questions about SPAWARS
Attachments: USN2011-006SPAWARSignedmanifest.pdf; ARS1-10-02748
SPAWAR #9 #10
TRUCK BED.pdf; ARS1-10-02748 Final 01-20-11 four wipe samples.pdf

Answers to the following:

1. A copy of the radiological surveys of the contaminated sink that was found at the Navy's Old Town Campus. I need to know the removable contamination levels and the isotope(s) identified.

I was the first person to survey the table once I located it at the Navy's Old Town Campus. The countertop indicated 1.0 mr/hr ??? by direct frisk using a RADEYE portable ??? survey meter. Wipe surveys were performed. Subsequent analysis on site revealed 29192 DPM ?? and 11478 DPM ? loose surface contamination. Wipes were counted by ARS using 2929 Dual Channel Scaler, Model 2350-1 with 44-10 probe. Contaminated countertop was wrapped in poly and taped and moved to a locked cage in a remote section of BLDG 27 with controlled access. On 19 Dec 10, I sent three wipes from the contaminated countertop stored at Bldg 27 to Occupational Services, Inc. for isotopic analysis. Preliminary finding was both Radium 226 and Thorium 232 contamination. Wipes were then sent to another lab for alpha-particle spectroscopy. On 5 Jan 11, I received wipes sample analysis from the contaminated table/sink in BLDG 27 from ARS. Attached are the lab results for wipes 8, 9, and 10.

2. A copy of the shipping papers, if any, that were used to transport the sink to and from the Old Town Campus.

There were no shipping papers used to transport the sink to the Old Town Campus as the SPAWAR command and the contractors performing the sink/table replacements were unaware that it was contaminated at that time. In reality, this sink should never have been contaminated as it was not supposed to be used for radiological work. Sometime in the past someone did some work inside of this hood and contaminated it. The sink was transported back to SPAWAR on January 10, 2011. No shipping papers were required as the sink/table was treated as an "Excepted Package". Prior to transport, the following items were verified:

The excepted package met the general requirements for radioactive

material packaging listed in
§ 173.410.

The outside PVC wrapping was marked with the four digit UN identification number for the material preceded by the letters UN, as shown in the Hazardous Materials Table in § 172.101

Non-fixed contamination limits on package surfaces were verified not to exceed the limits of § 173.443(a)

Radiation level at any point on the surface of the package did not exceed 0.005 mSv/h (0.5 mrem/h)

The outside of the package was marked as "Radioactive"

3. What happened to the sink after it was wrapped in poly? Is it still at Old Town or was it shipped? If so, where is it today?

The sink was stored in a secure locked area in Bldg 27 at the Navy Old Town Campus until it could be transported back to SPAWAR on January 10, 2011. The sink/table was eventually disposed of by Aleut World Solutions, LLC that performed the remediation surveys and cleanup of SPAWAR. Attached is the shipping manifest.

4. In regards to the special nuclear material (SNM) that was listed on Permit No. 04-66001-E1NP (exceeding the critical mass limits specified in 10 CFR 150.11), did the command ever really possess that material in critical mass quantities? Orysia was told that this was an inventory discrepancy, but what proof did you get from the command that they never possessed that amount of SNM? Can you please provide that info to me?

Answered by separate email.

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

From: Modes, Kathy [mailto:Kathy.Modes@nrc.gov]
Sent: Tuesday, July 12, 2011 7:26
To: Erickson, Randal L CIV SEA 04
Cc: Masnyk Bailey, Orysia; Fragoso, Lino CIV OPNAV, N455; Joustra,

Judith
Subject: questions about SPAWARS

Dear Mr. Erickson,

Welcome back!

Orysia Masnyk-Bailey is out this week and I am trying to wrap up the NRC's inspection at the Space and Naval Warfare System Center, Pacific, San Diego, CA (SPAWARS). Could you please email or fax me the following information as soon as possible:

1. A copy of the radiological surveys of the contaminated sink that was found at the Navy's Old Town Campus. I need to know the removable contamination levels and the isotope(s) identified.
2. A copy of the shipping papers, if any, that were used to transport the sink to and from the Old Town Campus.
3. What happened to the sink after it was wrapped in poly? Is it still at Old Town or was it shipped? If so, where is it today?
4. In regards to the special nuclear material (SNM) that was listed on Permit No. 04-66001-E1NP (exceeding the critical mass limits specified in 10 CFR 150.11), did the command ever really possess that material in critical mass quantities? Orysia was told that this was an inventory discrepancy, but what proof did you get from the command that they never possessed that amount of SNM? Can you please provide that info to me?

Thank you very much,

Kathy Modes

Senior Health Physicist

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