

**From:** "Whalen, Michael (DPH)" <Michael.Whalen@state.ma.us>  
**To:** "Elizabeth Ullrich" <EXU@nrc.gov>  
**Date:** Thu, Sep 13, 2007 11:00 AM  
**Subject:** RE: draft EA for Department of the Army, Natick

*20-00315-02  
03004578  
140601*

Betsy-

The Natick Solder Center FSS report looks fine.

All measurements were far below the DCGL for 25 mrem/yr, and Massachusetts DCGL for 10 mrem/yr.

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Massachusetts Radiation Control Program  
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-----Original Message-----

From: prvs=exu=7538f0229@nrc.gov [mailto:prvs=exu=7538f0229@nrc.gov] On Behalf Of Elizabeth Ullrich  
Sent: Tuesday, August 28, 2007 7:32 AM  
To: Michael (DPH) Whalen  
Cc: Bob (DPH) Walker  
Subject: RE: draft EA for Department of the Army, Natick

Mike,

Here is the Natick summary report. the official files are not yet publicly available (although they should be, I have to see what happened here). Basically, the site meets the old RG 1.86 criteria. Please send me any comments ASAP so we can issue the Federal Register notice.

Betsy

Betsy Ullrich, Senior Health Physicist  
US NRC Region I Office  
Division of Nuclear Materials Safety  
(610) 337-5040

exu@nrc.gov

>>> "Walker, Bob (DPH)" <Bob.Walker@state.ma.us> 08/27/2007 4:11 PM  
>>>

Betsy:

I did pass your e-mail on to one of our HPs for review and he had some comments. I'm sorry I neglected to pass them on to you. Basically, the comments concern the fact that we have no assurance that the proposed decommissioning meets our regulatory requirements for unrestricted use (10 mrem/year as specified in 105 CMR 120.245). We do have regulations that permit release using alternate criteria, but without seeing the FSS we don't know if any of these are being met. We were unable to find the FSS using ADAMS. I have cut and paste some other of his comments below:

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They committed to decommission to the default numbers of NUREG 1757 - which are very high (but below 25 mrem/year standard). They also had to clean up per ALARA, so hopefully the FSS will show that they are much below the NUREG 1757 default values. A review of the FSS would show that this.

Acceptable License Termination Screening Values of Common Radionuclides for Building-Surface Contamination

Radionuclide Symbol	Acceptable Screening Levels for Unrestricted Release dpm/100 cm <sup>2</sup>
Hydrogen-3 (Tritium) 3H	120000000
Carbon-14 14C	3700000
Sodium-22 22Na	9500
Sulfur-35 35S	13000000
Chlorine-36 36Cl	500000
Manganese-54 54Mn	32000
Iron-55 55Fe	4500000
Cobalt-60 60Co	7100
Nickel-63 63Ni	1800000
Strontium-90 90Sr	8700
Technetium-99 99Tc	1300000
Iodine-129 129I	35000
Cesium-137 137Cs	28000
Iridium-192 192Ir	74000

\*\*\*\*\*

If you would like to discuss this further, please contact Mike Whalen of our office at (617) 242-3035, Ext. 2020

Regards,

Bob Walker

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

From: prvs=exu=75271d156@nrc.gov [mailto:prvs=exu=75271d156@nrc.gov]

On

Behalf Of Elizabeth Ullrich

Sent: Monday, August 27, 2007 3:00 PM

To: Walker, Bob (DPH)

Subject: draft EA for Department of the Army, Natick

It has been more than 30 days since I sent the email and attachment.

Do

you have any comments regarding release of the Natick facilities under the Soldier Systems Command??

thanks,

Betsy

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Mr. Walker,

Attached is a draft Environmental Assessment for release of the Department of the Army, Natick Soldier Center, Soldier Systems Command facilities in Natick, Massachusetts. Please let me know if you have

any

comments to be incorporated into the EA. If you have any question,

feel

free to contact me as well.

We request your response within 30 days. Once we have received your

response, the EA will be reviewed by our Office of General Counsel

prior

to publication in the Federal Register.

thank you for your time in this matter,

Betsy Ullrich

Betsy Ullrich, Senior Health Physicist

US NRC Region I Office

Division of Nuclear Materials Safety

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**From:** "Whalen, Michael (DPH)" <[Michael.Whalen@state.ma.us](mailto:Michael.Whalen@state.ma.us)>  
**Created By:** [Michael.Whalen@state.ma.us](mailto:Michael.Whalen@state.ma.us)

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