



**Allen, Pam, NMENV**

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**From:** Kliphuis, Trais, NMENV  
**Sent:** Monday, June 30, 2014 2:08 PM  
**To:** Maestas, Ricardo, NMENV; Smith, Coleman, NMENV; Holmes, Steve, NMENV; Allen, Pam, NMENV  
**Cc:** Kieling, John, NMENV; LucasKamat, Susan, NMENV; Skibitski, Thomas, NMENV; Stone, Nick  
**Subject:** Fwd: NMED requested information - item 81 on the WIPP Recovery Action List  
**Attachments:** 856 mod and high filter survey matrix.pdf; 857 MOD and High Efficiency Survey Matrix.pdf - Adobe Acrobat Pro.pdf

Sent on a Sprint Samsung Galaxy Note® 3

----- Original message -----

**From:** Oba Vincent  
**Date:** 06/30/2014 1:54 PM (GMT-07:00)  
**To:** "Kliphuis, Trais, NMENV"  
**Cc:** "Jones, Stewart - RES ([Stewart.Jones@wipp.ws](mailto:Stewart.Jones@wipp.ws))"  
**Subject:** FW: NMED requested information - item 81 on the WIPP Recovery Action List

Trais

Please see the attached files regarding the contamination on the filters and in the area. We did not collect readings off of the HEPA filters but based on the readings in the compartment it is estimated that very little contamination even reached the HEPA filters.

This is all the data we have.

Sorry.

Oba

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**From:** Jones, Stewart - RES [<mailto:Stewart.Jones@wipp.ws>]  
**Sent:** Wednesday, June 25, 2014 4:08 PM  
**To:** Oba Vincent - WIPPNet  
**Cc:** George Basabilvazo - WIPPNet; Russ Patterson - WIPPNet; Chavez, Rick - RES; Kehrman, Bob - RES; Kouba, Steve - WRES; MacMillan, Walter - NWP; Biggerstaff, Joe - URS; Satterfield, James - Bartlett  
**Subject:** NMED requested information - item 81 on the WIPP Recovery Action List

Oba, the attachments note the survey data for the High Efficiency and Mod filters that were removed and replaced. The paragraph below notes the rad value for the HEPA filters that were surveyed. This data was requested by the NMED.

The only time any of the actual HEPA rooms were accessed was on 6/14/14 and the scope was to clean the DOP test injectors/downcasters. This was filter bank 41-B-856.

Once inside the room, the backside (outlet) side of HEPA Bank #1 downstream of the High Efficiency filters was checked. The results were: a direct frisk revealed 40 d/m alpha and < 200 d/m alpha transferable. Inside the filter room and on the floor also surveyed at <200 d/m alpha/100cm<sup>2</sup>. This data points to the fact that the Mods and High



Efficiency filters were successful in capturing most if not all of the particulates. There was no entry into HEPA filter bank 41-B-857.

Stewart B. Jones  
Nuclear Waste Partnership LLC  
Regulatory Environmental Services  
Contractor to the Department of Energy  
P.O. Box 2078 - MS 452-09  
Carlsbad, NM 88220

575.234.8293

Survey # 14-1577  
6/12/14

City 6/12/14

**41-B-856 MOD Filters Survey**

**Note: All dose rates are in  $\mu\text{rem/hr}$**

A. Collier 6/12/14  
Joseph R. B... 6/12/14

C-R-14  
6-12-14

Top Row from Left						
T-1	T-2	T-3	T-4	T-5	T-6	T-7
5cm = 6700	5cm = 5900	5cm = 6800	5cm = 5500	5cm = 7000	5cm = 6800	5cm = 6700
30 cm = 2300	30 cm = 1400	30 cm = 3300	30 cm = 2300	30 cm = 4200	30 cm = 3800	30 cm = 4100
Middle Row						
M-1	M-2	M-3	M-4	M-5	M-6	M-7
5cm = 7200	5cm = 6000	5cm = 7300	5cm = 5000	5cm = 6800	5cm = 6500	5cm = 6800
30cm = 4800	30cm = 3600	30cm = 4500	30cm = 1500	30cm = 3800	30cm = 3800	30cm = 4500
Bottom Row						
B-1	B-2	B-3	B-4	B-5	B-6	B-7
5cm = 7200	5cm = 6700	5cm = 6200	5cm = 7100	5cm = 7300	5cm = 6700	5cm = 7100
30cm = 4400	30cm = 4400	30cm = 3500	30cm = 4700	30cm = 4500	30cm = 4600	30cm = 4400

Note: Maximum total contamination detected was on filter T-3 160,000 dpm/100cm<sup>2</sup> alpha & 100,000 dpm/100cm<sup>2</sup> beta-gamma.

SURVEY #  
14-1560

### 41-B-856 High Efficient Filters Survey

Note: All dose rates are in  $\mu\text{rem/hr}$

<b>Top Row from Left</b>  <b>T-1</b> 5cm = 5.0 30 cm = ND	<b>T-2</b> 5cm = 6.0 30 cm = ND	<b>T-3</b> 5cm = 9.0 30 cm = 2.0	<b>T-4</b> 5cm = 3.0 30 cm = ND	<b>T-5</b> 5cm = 12.0 30 cm = 5.0	<b>T-6</b> 5cm = 16.0 30 cm = 8.0	<b>T-7</b> 5cm = 8.0 30 cm = 2.0
<b>Middle Row</b>  <b>M-1</b> 5cm = 11.0 30cm = 5.0	<b>M-2</b> 5cm = 10.0 30cm = 5.0	<b>M-3</b> 5cm = 10.0 30cm = 5.0	<b>M-4</b> 5cm = 11.0 30cm = 4.0	<b>M-5</b> 5cm = 9.0 30cm = 3.0	<b>M-6</b> 5cm = 6.0 30cm = 2.0	<b>M-7</b> 5cm = 6.0 30cm = 1.0
<b>Bottom Row</b>  <b>B-1</b> 5cm = 10.0 30cm = 4.0	<b>B-2</b> 5cm = 5.0 30cm = 1.0	<b>B-3</b> 5cm = 4.0 30cm = ND	<b>B-4</b> 5cm = 9.0 30cm = 4.0	<b>B-5</b> 5cm = 5.0 30cm = ND	<b>B-6</b> 5cm = 13.0 30cm = 5.0	<b>B-7</b> 5cm = 6.0 30cm = 1.0

## 41-B-857 MOD Filters Survey

**Note: All dose rates are in  $\mu\text{rem/hr}$**

Top Row from Right						
<b>T-1</b>	<b>T-2</b>	<b>T-3</b>	<b>T-4</b>	<b>T-5</b>	<b>T-6</b>	<b>T-7</b>
5cm = 6200	5cm = 7000	5cm = 8000	5cm = 6700	5cm = 6500	5cm = 7000	5cm = 6300
30 cm = 2100	30 cm = 2500	30 cm = 2700	30 cm = 2400	30 cm = 2200	30 cm = 2300	30 cm = 2200
Middle Row						
<b>M-1</b>	<b>M-2</b>	<b>M-3</b>	<b>M-4</b>	<b>M-5</b>	<b>M-6</b>	<b>M-7</b>
5cm = 5500	5cm = 6100	5cm = 6600	5cm = 6500	5cm = 6400	5cm = 6100	5cm = 6200
30cm = 2000	30cm = 2200	30cm = 2300	30cm = 2000	30cm = 2500	30cm = 2100	30cm = 2200
Bottom Row						
<b>B-1</b>	<b>B-2</b>	<b>B-3</b>	<b>B-4</b>	<b>B-5</b>	<b>B-6</b>	<b>B-7</b>
5cm = 6700	5cm = 6600	5cm = 6200	5cm = 8200	5cm = 5600	5cm = 6300	5cm = 5800
30cm = 2400	30cm = 2200	30cm = 2100	30cm = 2800	30cm = 2000	30cm = 2300	30cm = 2000

Maximum total contamination in filter room was 200,000 alpha dpm/100cm<sup>2</sup>, ND mrad/hr/100cm<sup>2</sup>. Removable contamination was 8,000 alpha, 2,000 beta-gamma dpm/100cm<sup>2</sup>.

## 41-B-857 High Efficient Filters Survey

**Note: All dose rates are in  $\mu\text{rem/hr}$**

Top Row from Right						
<b>T-1</b>	<b>T-2</b>	<b>T-3</b>	<b>T-4</b>	<b>T-5</b>	<b>T-6</b>	<b>T-7</b>
5cm = 210	5cm = 300	5cm = 300	5cm = 250	5cm = 340	5cm = 305	5cm = 190
30 cm = 80	30 cm = 120	30 cm = 120	30 cm = 110	30 cm = 140	30 cm = 120	30 cm = 80
Middle Row						
<b>M-1</b>	<b>M-2</b>	<b>M-3</b>	<b>M-4</b>	<b>M-5</b>	<b>M-6</b>	<b>M-7</b>
5cm = 345	5cm = 450	5cm = 170	5cm = 280	5cm = 330	5cm = 320	5cm = 270
30cm = 155	30cm = 180	30cm = 70	30cm = 110	30cm = 150	30cm = 140	30cm = 90
Bottom Row						
<b>B-1</b>	<b>B-2</b>	<b>B-3</b>	<b>B-4</b>	<b>B-5</b>	<b>B-6</b>	<b>B-7</b>
5cm = 180	5cm = 345	5cm = 240	5cm = 350	5cm = 540	5cm = 400	5cm = 300
30cm = 75	30cm = 150	30cm = 110	30cm = 130	30cm = 230	30cm = 170	30cm = 120

Maximum total contamination detected was on filter M-5 40,000 alpha, 10,000 beta-gamma dpm/100cm<sup>2</sup>.

Maximum total contamination detected on backside of MOD filters was 4,000 alpha, 100,000 beta-gamma dpm/100cm<sup>2</sup> between M-5 & B-5.