ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, March 06, 2014 2:31 PM
To: Allen, Pam, NMENV
Subject: FW: Sampling data for today's call
Attachments: Station A and B Filter Readings 2 23 14.xlsx; Station A Data Graph 23 Feb 14.pdf; Rev 4 Environmental Status 2014-02-23 1230PM.xlsx

WIPP file

From: Kliphuis, Trais, NMENV
Sent: Monday, February 24, 2014 2:37 PM
To: Maestas, Ricardo, NMENV; Smith, Coleman, NMENV
Subject: Fwd: Sampling data for today's call

Sent from my Samsung Galaxy Note® 3

-------- Original message --------
From: Oba Vincent
Date:02/24/2014 11:15 AM (GMT-07:00)
To: "Kliphuis, Trais, NMENV" ,"'peake.tom@epa.gov'" ,"'Edwards, Jonathan'" ,"'Walsh, Jonathan'" ,"'Perrin, Alan'" ,"'Bob.Kehrman@wipp.ws'" ,"'Rick.Chavez@wipp.ws'" ,"'Stone.Nick@epa.gov'"
Cc: George Basabilvazo - WIPPNet ,"Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)"
Subject: Sampling data for today's call

Attached is the sample data for today's call. We do have some new data to share from the environmental samplers and the station A and B sample results. I also included a graph of the Station A results since the event.

Results were obtained from air samples collected on 18 Feb from the Mills Ranch (2.7 DPM), Smith Ranch (4.2 DPM), and Carlsbad (1.3 DPM) sampling locations.

Thanks

Oba

Environmental Air Filter Analytical Status

(current as of 2/23/14 12:45 PM)

				Gross α / β Count		ISOLO Spectrum Analyzer	Radiochemistry								
Location		Filter Install Date	Filter Retrieval Date	Field Smears and Surveys of Sampling Equipment and Area	Initial 10 Minute DPM Gross α / β Count > 200 α > 600 β	Preliminary DPM / Final DPM	WIPP Labs Data Am-241 Sample Date	WIPP Labs Data Am-241 (pCi)	WIPP Labs Data Am-241 (dpm)	WIPP Labs Data Pu-238 Sample Date	WIPP Labs Data Pu-238 (pCi)	WIPP Labs Data Pu-238 (dpm)	WIPP Labs Data Pu-239/240 Sample Date	WIPP Labs Data Pu-239/240 (pCi)	WIPP Labs Data Pu-239/240 (dpm)
WIPP Farfield (WFF)	AL-WFF-20140212-1.1	2/11/2014	2/15/2014	Field Smears and Surveys at accepted levels	Within Radon Background	36	2/20/2014	22.0	48.84	2/20/2014	1.65	3.66			0.00
								22.0 +/- 2.34			1.65 +/- 0.596				
WIPP Farfield (WFF)	AL-WFF-20140219-1.1	2/15/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	2.4		About three weeks	#VALUE!			0.00			0.00
WIPP East (WEE)	AL-WEE-20140212-1.1	2/11/2014	2/17/2014	Field Smears and Surveys at accepted levels	Within Radon Background	7.29 / 4.4		About three weeks	#VALUE!			0.00			0.00
WIPP South (WSS)	AL-WSS-20140212-1.1	2/11/2014	2/17/2014	Field Smears and Surveys at accepted levels	Within Radon Background	7.47 / 3.7		About three weeks	#VALUE!			0.00			0.00
Mills Ranch (MLR)	AL-MLR-20140212-1.1	2/11/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	2.7		About three weeks	#VALUE!			0.00			0.00
Smith Ranch (SMR)	AL-SMR-20140212-1.1	2/11/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	4.2		About three weeks	#VALUE!			0.00			0.00
Carlsbad (CBD)	AL-CBD-20140212-1.1	2/11/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	1.6		About three weeks	#VALUE!			0.00			0.00
South East Control (SEC)	AL-SEC-20140212-1.2	2/11/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	1.3		About three weeks	#VALUE!			0.00			0.00
South East Control (SEC) Co-located sample	AL-SEC-20140212-2.2	2/11/2014	2/18/2014	Field Smears and Surveys at accepted levels	Within Radon Background	1.5		About three weeks	#VALUE!			0.00			0.00

* These are screening values that will inform filter counting staff that there appears to be reading that could be above background and further evaluation is necessary.

Environmental Surface Water Analytical Status

(current as of 2/20/14 04:25 PM)

Location	Sample ID	Media	Sample Date	Lab Submittal Date	Radiochemistry				
					Data from WIPP Labs	Pu-238 Bq/g x 10^{-4}		Pu-239/240 Bq/g x 10^{-4}	
						Baseline Value**	Sample	Baseline Value**	Sample
Evaporation Basin A	WS-EBA-20140219-1.2	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
Evaporation Basin A	WS-EBA-20140219-2.2	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
Salt Storage Extension II	WS-EB2-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
SWIC Pond 1	WS-PD1-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
SWIC Pond 2	WS-PD2-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =
Blank	WS-BLK-20140219-1.1	Surface water	2/19/2014	2/19/2014	About three weeks	Mean = -0.004	Value =	Mean = -0.006	Value =
						σ = 0.085	TPU =	σ = 0.041	TPU =

** These values are from the DOE/WIPP 92-037, Attachment 1, Statistical Summary of the Radiological Baseline for the WIPP, Table 5-1. These values were derived from the summary statistics for samples at all locations in the baseline. The Units are noted as Becquerels per gram x 10^{-4} .

TPU = Total Propagated Uncertainty

Surface water samples for this statistical baseline summary were obtained from three groups for geographic variability. The statistical baseline presented above is for all locations: 1) Stock Tanks, 2) Pecos River, and 3) Laguna Grande de la Sal.

Environmental Soil Sample Analytical Status

(current as of 2/20/14 03:30 PM)

Location/Depth	Sample ID	Matrix Sample Date		Lab Submittal Date	Radiochemistry						
					Data from WIPP Labs	Am-241 Bq/g x 10^{-3}		Pu-238 Bq/g x 10^{-3}		Pu-239/240 Bq/g x 10^{-3}	
						Baseline Value	Sample	Baseline Value	Sample	Baseline Value	Sample
Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0		σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	Soil	2/13/2014	2/17/2014	Three Weeks (3/10/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-1.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-1.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-2.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-2.2	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =

Environmental Soil Sample Analytical Status

(current as of 2/20/14 03:30 PM)

Location/Depth	Sample ID	Matrix	Sample Date	Lab Submittal Date	Radiochemistry						
					Data from WIPP Labs	Am-241 Bq/g x 10^{-3}		Pu-238 Bq/g x 10^{-3}		Pu-239/240 Bq/g x 10^{-3}	
						Baseline Value	Sample	Baseline Value	Sample	Baseline Value	Sample
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140217-1.1	Soil	2/17/2014	2/18/2014	Three weeks (3/11/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Mills Ranch Surface Sample (0-2 cm)	SS-MLR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Mills Ranch Intermediate Sample (2-5 cm)	SI-MLR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Mills Ranch Deep Sample (5-10 cm)	SD-MLR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Smith Ranch Intermediate Sample (2-5 cm)	SI-SMR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Smith Ranch Deep Sample (5-10 cm)	SD-SMR-20140220-1.1	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-1.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-1.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =

Environmental Soil Sample Analytical Status

(current as of 2/20/14 03:30 PM)

Location/Depth	Sample ID	Matrix	Sample Date	Lab Submittal Date	Radiochemistry						
					Data from WIPP Labs	Am-241 Bq/g x 10^{-3}		Pu-238 Bq/g x 10^{-3}		Pu-239/240 Bq/g x 10^{-3}	
						Baseline Value	Sample	Baseline Value	Sample	Baseline Value	Sample
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-2.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-2.2	Soil	2/20/2014	2/20/2014	Three weeks (3/14/14)	Mean = 1.7	Value =	Mean = -0.1	Value =	Mean = 0.20	Value =
						σ = 2.0	TPU =	σ = 1.1	TPU =	σ = 0.73	TPU =

* These values are from the DOE/WIPP 92-037, Attachment 1, Statistical Summary of the Radiological Baseline for the WIPP, Table 4-1. These values were derived from adding the mean plus the standard deviation value. The Units are noted as Becquerels per gram x 10^{-3}

** Soils sample radiochemistry statistics are a summary of samples obtained in three groups representing different geographic groups on a regional scale: 1) within 1 kilometer of the Waste Handling Building, 2) 8 kilometers centered at the WIPP site, and 3) Area coverage of approximately 10,000 square kilometers.

TPU = Total Propagated Uncertainty

Environmental Vegetation Analytical Status

(current as of 2/20/14 04:25 PM)

Location	Sample ID	Media	Sample Date	Lab Submittal Date	Radiochemistry				
					Data from WIPP Labs	Pu-238 Bq/g x 10^{-3}		Pu-239/240 Bq/g x 10^{-3}	
						Baseline Value**	Sample	Baseline Value**	Sample
WIPP Far Field	BV-WFF-20140212-1.2	Vegetation	2/21/2014	2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
WIPP Far Field	BV-WFF-20140219-2.2	Vegetation	2/21/2014	2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
WIPP East	BV-WEE-20140212-1.1	Vegetation		2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
WIPP South	BV-WSS-20140212-1.1	Vegetation		2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
Smith Ranch	BV-SMR-20140212-1.1	Vegetation		2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
Mills Ranch	BV-MLR-20140212-1.1	Vegetation		2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =
Southeast Control	BV-SEC-20140212-1.2	Vegetation		2/24/2014	About three weeks	Mean = 0.0	Value =	Mean = 0.37	Value =
						σ = 1.8	TPU =	σ = 0.36	TPU =

** These values are from the DOE/WIPP 92-037, Attachment 1, Statistical Summary of the Radiological Baseline for the WIPP, Table 7-1. These values were derived from the summary statistics for samples at all three (3) locations that were sampled twice for the baseline. The Units are noted as Becquerels per gram x 10^{-3} .

TPU = Total Propagated Uncertainty

Preliminary Information – Not for Public Release

Station A (A-2-3) Before the HEPA Filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location
2/14/14	2/14/14 @ 0742	2/15/14 0630	A23021414	Tennelec XLB	10 Mins	4.4M	1.2M	021514/0649				WIPP Labs
2/15/14	2/15/14 0630	2/15/14 0840	A23021514	Tennelec XLB	10 Mins	225K	46.8K	021514/0916				WIPP Labs
2/15/14	2/15/14 0840	2/15/14 1510	A23021514 0840	Tennelec XLB	10 Mins	285K	54K	021514/1541				SRS Lab
2/15/14	2/15/14 1510	2/15/14 2330	A23021514 1510	Tennelec XLB	10 Mins	124050	24481	021614/0012				SRS Lab
2/15/14	2/15/14 2330	2/16/14 0850	A23021514 2330	Tennelec XLB	10 Mins	47283	10558	021614/0917				On Site
2/16/14	2/16/14 0850	2/16/14 1648	A23021614 0850	Tennelec XLB	10 Mins	12215	2842	121614/1927				On Site
2/16/14	2/16/14 1648	2/17/14 0015	A23021614 1650	Tennelec XLB	10 Mins	4051	1256	021714/0046				On Site
2/17/14	2/17/14 0015	2/17/14 0820	A23021714 0015	Tennelec XLB	10 Mins	1802	638	021714/0942	1723	573	021714/1012	On Site
2/17/14	2/17/14 0820	2/17/14 1620	A23021714 0820	Tennelec XLB	10 Mins	1048	621	021714/1705				On Site
2/17/14	2/17/14 1620	2/18/14 0010	A23021714 1620	Tennelec XLB	10 Mins	802	633	021814/0051	633 592	230 210	021814/1012 021814/0751	On Site
2/18/14	2/18/14 0010	2/18/14 0820	A23021814 0010	Tennelec XLB	10 Mins	326	338	021814/0928	237 212	157 116	021814/1202 021814/1824	On Site
2/18/14	2/18/14 0820	2/18/14 1605	A23021814 0820	Tennelec XLB	10 Mins	609	780	021814/1624	258	118	021914/0315	On Site
2/18/14	2/18/14 1605	2/19/14 0035	A23021814 1605	Tennelec XLB	10 Mins	346	340	021914/0143	227	143	021914/0547	On Site

Preliminary Information – Not for Public Release

Station A (A-2-3) Before the HEPA Filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location
2/19/14	2/19/14 0035	2/19/14 0823	A23021914 0040	Tennelec XLB	10 Mins	224	320	021914/0952	136	143	021914/1222	On Site
2/19/14	2/19/14 0823	2/19/14 1600	A23021914 0823	Tennelec XLB	10 Mins	264	443	021914/1708	130	137	021914/2046	On-Site
2/19/14	2/19/14 1600	2/20/14 0018	A23021914 1600	Tennelec XLB	10 Mins	286	378	022014/0124	150	119	02214/0352	On-Site
2/19/14	2/19/14 0018	2/20/14 0817	A23022014 0018	Tennelec XLB	10 Mins	290	219	022014/1010	216	146	022014/1256	On-Site
2/20/14	2/20/14 0817	2/20/14 1624	A23022014 0817	Tennelec XLB	10 Mins	135	131	0222014/183	107	85	022014/2204	On-Site
2/20/14	2/20/14 1624	2/21/14 0012	A23022014 1624	Tennelec XLB	10 Mins	231	103	022114/0154	203	84	022114/0505	On-Site
2/21/14	2/21/14 0012	2/21/14 0845	A23022114 0012	Tennelec XLB	10 Mins	330	146	022114/1027	286	105	022114/1532	On-Site
2/21/14	2/21/2014 0845	2/21/2014 1620	A230221140845	Tennelec XLB	10 Mins	253	199	022114/1654	175	86	022114/2000	On-Site
2/21/14	2/21/2014 1620	2/22/2014 0050	A230221141620	Tennelec XLB	10 Mins	388	549	022114/0124	215	154	022114/0400	On-Site
2/22/14	2/22/2014 0050	2/22/2014 0830	A230222140050	Tennelec XLB	10 Mins	421	599	022214/0906	180	154	022214/1150	On-Site
2/22/14	2/22/2014 0830	2/22/2014 1650	A230222140830	Tennelec XLB	10 Mins	243	337	022214/1713	140	166	022214/2004	On-Site
2/22/14	2/22/2014 1650	2/23/2014 0011	A230222141650	Tennelec XLB	10 Mins	487	626	022314/0047	208	129	022314/0401	On-Site
2/23/14	2/23/2014 0011	2/23/2014 0830	A230223140011	Tennelec XLB	10 Mins	328	504	022314/0906				On-Site

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Station A (A-2-3) Before the HEPA Filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location

Station B (B-1-3) Downstream of the HEPA filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location
2/14/14	2/14/14 0754	2/15/14 0835	B13021414	Tennelec XLB	10 Mins	28205	5877	021514/0850				WIPP Labs
2/15/14	2/15/14 0835	2/15/14 1445	B13021514	Tennelec XLB	10 Mins	36194	7340					SRS Labs
2/15/14	2/15/14 1445	2/15/14 2305	B130215141445	Tennelec XLB	10 Mins	671	142	021714/1056				On-Site
2/15/14	2/15/14 2305	2/16/14 0904	B130215142305	Tennelec XLB	10 Mins	300	152	021614/0932	253 245 240	63 59 49	021614/1127 021614/1250 021614/1741	On-Site
2/16/14	2/16/14 0904	2/16/14 1705	B130216140904	Tennelec XLB	10 Mins	144	67	021614/1755				On-Site
2/16/14	2/16/14 1705	2/17/201 4 0030	B130216141705	Tennelec XLB	10 Mins	72	54	021714/0046	62	18	021714/1203	On-Site
2/17/14	2/17/14 0030	2/17/14 0805	B130216140030	Tennelec XLB	10 Mins	43	26	021714/0930	30 32	23 16	021714/0955 021714/1400	On-Site
2/17/14	2/17/14 0805	2/17/14 1600	B130217140805	Tennelec XLB	10 Mins	78	35	021714/1650	58 24	20 13	021714/1958 021814/1823	On-Site
2/17/14	2/17/14 1600	2/18/14 0030	B130217141600	Tennelec XLB	10 Mins	65	55	021814/0051	45 36	18 12	021814/0423 021814/0751	On-Site
2/18/14	2/18/14 0030	2/18/14 0901	B130218140030	Tennelec XLB	10 Mins	42	61	021814/0928	23	12	021814/1202	On-Site
2/18/14	2/18/14 0901	2/18/14 1655	B130218140901	Tennelec XLB	10 Mins	41	29	021814/1754	28	7	021914/0315	On-Site
2/18/14	2/18/14 1655	2/19/14 0105	B130218141655	Tennelec XLB	10 Mins	42	36	021914/0144	20	7	021914/0547	On-Site
2/19/14	2/19/14 0105	2/19/14 0900	B130219140105	Tennelec XLB	10 Mins	33	44	021914/0952	20	15	021914/1222	On-Site

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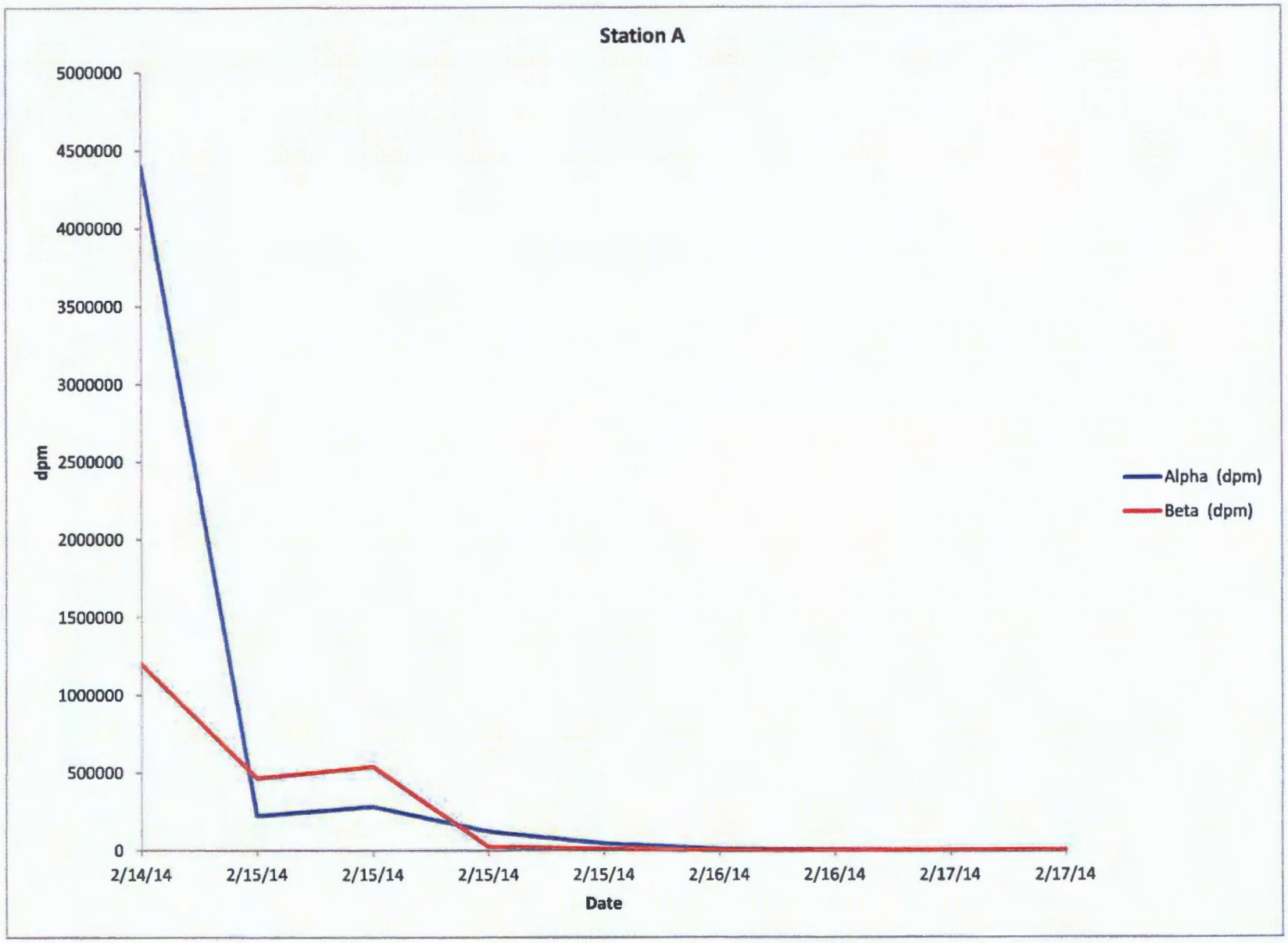
Station B (B-1-3) Downstream of the HEPA filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location
2/19/14	2/19/14 0900	2/19/14 1627	B130219140900	Tennelec XLB	10 Mins	36	34	021914/1708	25	10	021914/2036	On-Site
2/19/14	2/19/14 1627	2/20/14 0035	B130219141627	Tennelec XLB	10 Mins	45	46	022014/0107	25	9	022014/0359	On-Site
2/20/14	2/20/14 0035	2/20/14 0852	B130220140035	Tennelec XLB	10 Mins	52	21	022014/1035	38	14	022014/1226	On-Site
2/20/14	2/20/14 0852	2/20/14 1654	B130220140852	Tennelec XLB	10 Mins	98	22	022014/1838	101	23	022014/2211	On-Site
2/20/14	2/20/14 1654	2/21/14 0038	B130220141654	Tennelec XLB	10 Mins	40	19	022114/0204	33	11	022114/0521	On-Site
2/21/14	2/21/14 0038	2/21/14 0820	B130221140038	Tennelec XLB	10 Mins	30	6	022114/1027	27	12	022114/1532	On-Site
2/21/14	2/21/14 0820	2/21/14 1600	B130221140820	Tennelec XLB	10 Mins	37	15	022114/1654	41	12	022114/2028	On-Site
2/21/14	2/21/14 1600	2/22/14 0019	B130221141600	Tennelec XLB	10 Mins	50	28	022214/0125	42	14	022214/0358	On-Site
2/22/14	2/22/14 0019	2/22/14 0810	B130222140019	Tennelec XLB	10 Mins	30	22	022214/0946	19	12	022214/1151	On-Site
2/22/14	2/22/14 0810	2/22/14 1615	B130222140810	Tennelec XLB	10 Mins	28	17	022214/1713	22	10	022214/2004	On-Site
2/22/14	2/22/14 1615	2/22/14 2356	B130222141615	Tennelec XLB	10 Mins	32	33	022314/0047	22	9	022314/0404	On-Site
2/22/14	2/22/14 2356	2/23/14 0810	B130222142356	Tennelec XLB	10 Mins	21	3	022314/0938				On-Site

Station B (B-1-3) Downstream of the HEPA filters

Date	Time Installed	Time Removed	Filter ID	Inst Model	Count Time	Alpha (dpm)	Beta (dpm)	First Count	Alpa (dpm)	Beta (dpm)	Re-count	Location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500000
0
dpm
2/14/14
2/15/14
2/15/14
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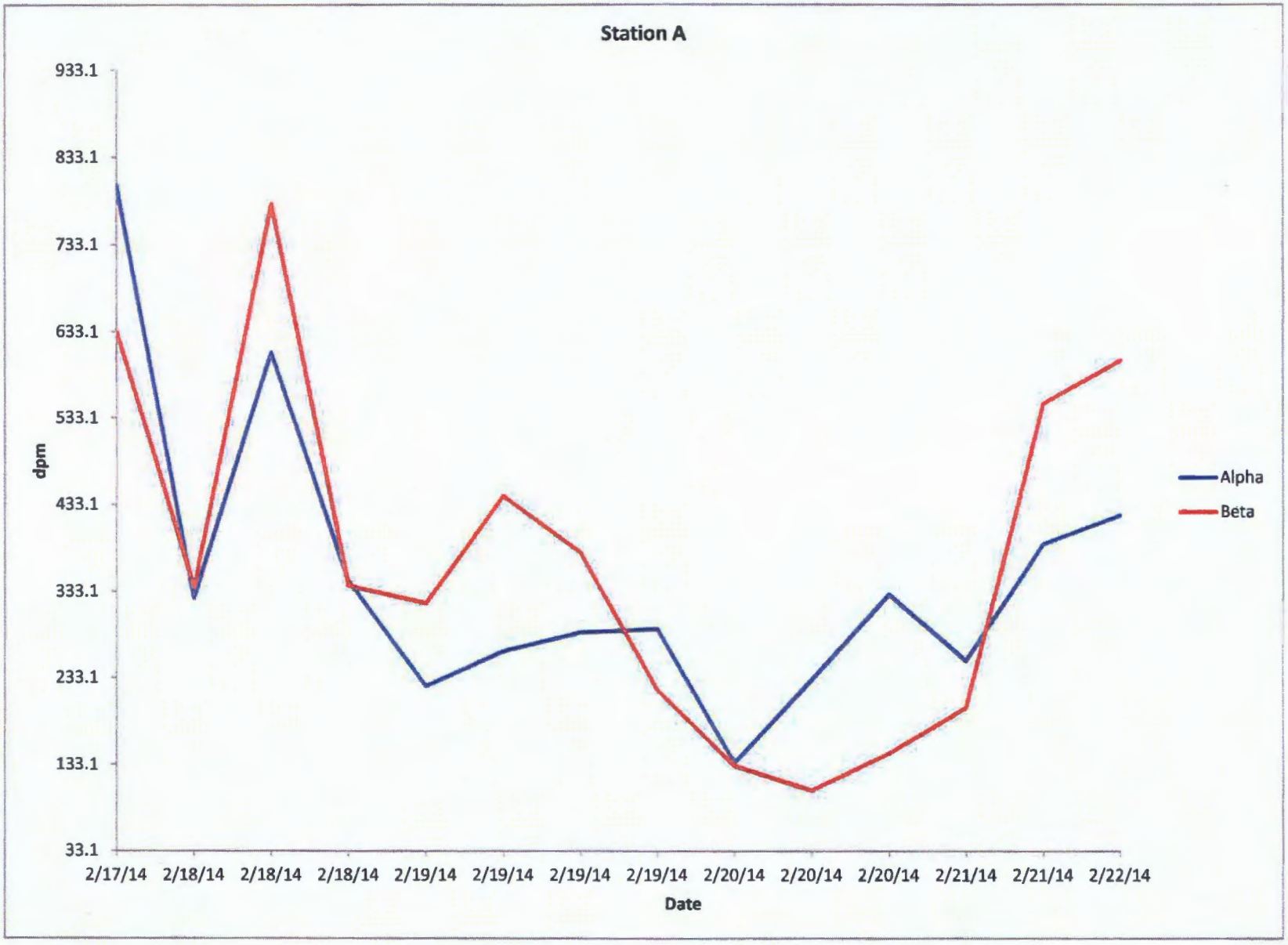
2/16/14
2/16/14
2/17/14
2/17/14
Date
Alpha (dpm)
Beta (dpm)


Station A
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533.1
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333.1
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133.1
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2/21/14
2/21/14
2/22/14
Date
Alpha
Beta