

BellBendCOLPEm Resource

From: Terry, Tomeka
Sent: Wednesday, August 26, 2009 4:19 PM
To: rrsгарro@pplweb.com
Cc: Imboden, Stacey
Subject: FW: Problem sending .pdf files
Attachments: PADEP 2004 TLD data.pdf; SSES 2004 TLD data.pdf

Here is the data information you ask from Tim Lynch on RAI RHH 4.5-3

From: Lynch, Timothy P (PNNL) [mailto:tim.lynch@pnl.gov]
Sent: Tuesday, August 25, 2009 4:31 PM
To: Terry, Tomeka
Cc: Leigh, Kimberly D
Subject: RE: Problem sending .pdf files

Tomeka,

I tried sending message with only one file but I think the file size is just too big. I made copies of the pages and scanned them. Hopefully you will get this OK. Tim

Timothy Lynch

In Vivo Monitoring Program Manager
Radiation and Health Technology
Energy and Environment Directorate

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Richland, WA 99352 USA
Tel: 509-376-6281
Fax: 509-376-0211
Tim.lynch@pnl.gov
www.pnl.gov

From: Terry, Tomeka [mailto:Tomeka.Terry@nrc.gov]
Sent: Tuesday, August 25, 2009 1:09 PM
To: Lynch, Timothy P (PNNL)
Subject: RE: Problem sending .pdf files

Can you see one at a time to me?

From: Lynch, Timothy P (PNNL) [mailto:tim.lynch@pnl.gov]
Sent: Tuesday, August 25, 2009 3:51 PM
To: Terry, Tomeka
Subject: Problem sending .pdf files

Tomeka,

I have tried several times to send the files with the data we discussed this morning and each time received error message that it could not be delivered. Is there a problem with receiving .pdf files on your end. Awhile back we had a hold on receiving .pdf files due to a possible vulnerability from a computer security standpoint. Tim

Timothy Lynch

In Vivo Monitoring Program Manager
Radiation and Health Technology
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Hearing Identifier: BellBend_COL_Public
Email Number: 297

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71FBE07D174)

Subject: FW: Problem sending .pdf files
Sent Date: 8/26/2009 4:18:54 PM
Received Date: 8/26/2009 4:18:56 PM
From: Terry, Tomeka

Created By: Tomeka.Terry@nrc.gov

Recipients:
"Imboden, Stacey" <Stacey.Imboden@nrc.gov>
Tracking Status: None
"rrsgarro@pplweb.com" <rrsgarro@pplweb.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	1984	8/26/2009 4:18:56 PM
PADEP 2004 TLD data.pdf	30075	
SSES 2004 TLD data.pdf	29061	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

5.B

**SUSQUEHANNA STEAM ELECTRIC STATION
THERMOLUMINESCENCE DOSIMETRY (TLD) DATA
(mR/std. mo.)**

Location	1/7/04 to 4/1/04	4/1/04 to 7/1/04	7/1/04 to 10/7/04	10/7/04 to 1/4/05	Annual Dose
01D1 Mocanaqua	3.7 +/- 0.6	3.4 +/- 0.3	4.4 +/- 0.1	4.2 +/- 0.4	47.2 +/- 2.5
02A1 Information Center	3.7 +/- 0.7	3.3 +/- 0.2	3.6 +/- 0.7	3.3 +/- 1.2	41.7 +/- 4.7
03D1 Pond Hill	4.1 +/- 0.8	3.1 +/- 0.1	3.5 +/- 0.7	3.8 +/- 0.8	43.9 +/- 4.1
03K1 Nanticoke	4.0 +/- 0.4	3.0 +/- 0.4	3.5 +/- 0.8	3.4 +/- 1.1	41.6 +/- 4.4
03M1 Wilkes-Barre	4.3 +/- 0.2	3.3 +/- 0.3	4.2 +/- 0.2	4.0 +/- 0.6	47.7 +/- 2.1
04A1 PP&L Construction Dept.	3.9 +/- 0.4	3.2 +/- 0.1	4.0 +/- 0.5	3.6 +/- 1.0	44.2 +/- 3.4
04E1 Ruckles Hill Road	3.6 +/- 0.7	3.5 +/- 0.4	4.0 +/- 0.4	3.8 +/- 0.7	44.9 +/- 3.3
05A1 Biological Lab	3.5 +/- 1.0	2.7 +/- 0.5	3.4 +/- 0.8	3.2 +/- 1.2	38.5 +/- 5.6
05E1 Bloss Farm	4.4 +/- 1.6	3.2 +/- 0.1	4.0 +/- 0.3	3.8 +/- 0.8	46.3 +/- 5.6
06A1 SSES Sewage Plant	3.5 +/- 0.8	3.1 +/- 0.2	3.7 +/- 0.6	3.4 +/- 1.1	41.2 +/- 4.5
06A2 River Water Intake	3.7 +/- 0.6	3.0 +/- 0.2	3.5 +/- 0.8	3.3 +/- 1.3	40.4 +/- 4.8
06D1 Hobbie	3.3 +/- 1.0	3.2 +/- 0.4	3.9 +/- 0.5	3.8 +/- 0.8	42.4 +/- 4.3
06L1 Freeland	3.7 +/- 0.6	4.3 +/- 1.1	4.6 +/- 0.4	4.9 +/- 0.3	52.9 +/- 4.0
07B1 Wapwallopen	3.2 +/- 1.1	3.2 +/- 0.1	3.8 +/- 0.5	4.0 +/- 0.7	42.4 +/- 4.1
07B2 Heller's Orchard	3.7 +/- 0.8	3.0 +/- 0.2	3.4 +/- 0.8	4.6 +/- 1.3	44.1 +/- 5.2
07L1 Hazelton	3.2 +/- 1.1	3.2 +/- 0.3	3.6 +/- 0.7	3.9 +/- 0.7	41.8 +/- 4.5
09B1 South Transmission Line	3.1 +/- 1.1	2.8 +/- 0.3	3.5 +/- 0.7	2.8 +/- 1.7	36.6 +/- 6.4
09M1 Shenandoah	2.8 +/- 1.4	2.6 +/- 0.5	3.2 +/- 1.0	3.2 +/- 1.3	35.2 +/- 6.8
10B1 Beach Haven/Gen Tank	3.2 +/- 1.0	3.0 +/- 0.2	Missing	3.6 +/- 1.0	29.4 +/- 4.2
11A1 Golomb House	3.4 +/- 0.9	3.3 +/- 0.2	4.2 +/- 0.4	3.9 +/- 0.8	44.0 +/- 3.8
11F1 Nescopeck	3.3 +/- 0.9	3.0 +/- 0.2	4.9 +/- 1.3	3.8 +/- 0.8	45.0 +/- 5.4
12A1 WSW Perimeter Fence	5.0 +/- 0.7	3.8 +/- 0.8	4.4 +/- 0.3	5.3 +/- 0.8	55.5 +/- 4.1
12F1 Berwick Substation	4.4 +/- 0.2	3.1 +/- 0.2	3.5 +/- 0.8	3.7 +/- 0.9	44.1 +/- 3.6
12L1 Bloomsburg	3.2 +/- 1.1	2.8 +/- 0.3	3.6 +/- 0.6	3.3 +/- 1.2	38.6 +/- 5.2
13A1 West Perimeter Fence	4.0 +/- 0.4	4.0 +/- 0.7	4.5 +/- 0.2	4.6 +/- 0.1	51.1 +/- 2.6
14A1 WNW Perimeter Fence	4.3 +/- 0.1	3.3 +/- 0.4	4.8 +/- 1.8	4.0 +/- 0.6	49.3 +/- 5.8
15A1 Serafin Farm	3.1 +/- 1.1	3.6 +/- 0.4	3.8 +/- 0.6	3.8 +/- 0.9	42.9 +/- 4.7
16A1 NNW Perimeter Fence	4.9 +/- 0.7	4.1 +/- 0.9	4.7 +/- 0.3	4.9 +/- 0.3	55.8 +/- 3.7
16A2 Rupinski Farm	2.8 +/- 1.4	3.1 +/- 0.0	3.2 +/- 1.0	3.9 +/- 0.7	38.9 +/- 5.6
16B1 Walton Power Line	3.7 +/- 1.0	2.9 +/- 0.3	8.2 +/- 7.9	3.6 +/- 1.0	55.1 +/- 24.2
*Control corrected-net exposure.				Annual Average:	44.1 +/- 5.1

TABLE I-1
ENVIRONMENTAL THERMOLUMINESCENT DOSIMETRY RESULTS
SUSQUEHANNA STEAM ELECTRIC STATION - 2004
 Results (1) are in mR/std. qtr (2) ± 2S (3)

<u>Location</u>	First Quarter 01/27/04 to 04/23/04	Second Quarter 04/21/04 to 07/21/04	Third Quarter 07/20/04 to 10/27/04	Fourth Quarter 10/26/04 to 01/26/05
10-20 MILES				
3G4	21.2 ± 2.0	20.0 ± 1.6	19.3 ± 1.2	23.5 ± 2.0
4G1	22.8 ± 2.2	21.1 ± 1.8	19.3 ± 1.3	23.6 ± 1.0
6G1	22.2 ± 1.1	(8)	(8)	(8)
7G1	18.9 ± 1.1	18.4 ± 1.6	17.3 ± 1.4	21.0 ± 1.4
7G2	18.9 ± 1.1	(8)	(8)	(8)
8G1	17.2 ± 1.3	(8)	(8)	(8)
12G1	17.5 ± 0.9	17.9 ± 1.0	16.0 ± 0.5	18.9 ± 1.8
12G4	20.7 ± 1.3	20.2 ± 0.6	19.3 ± 2.3	22.1 ± 1.4

See the comments at the end of this table.

<u>Location</u>				
Indicator				
Average (6)	20.8 ± 12.8	21.2 ± 12.6	19.9 ± 12.3	23.2 ± 12.6
Control				
Average (6)	19.9 ± 4.1	19.5 ± 3.1	18.2 ± 3.3	21.8 ± 3.5

COMMENTS

- (1) Individual monitor location results are normally the average of the elemental doses of six calcium elements from the two TLDs assigned to each monitoring location.
- (2) A standard (std.) quarter (qtr.) is considered to be 91.25 days. Results obtained for monitoring periods of other durations are normalized by multiplying them by 91.25/x, where x is the actual duration in days of the period.
- (3) Uncertainties for individual monitoring location results are two standard deviations of the elemental doses of six calcium elements from the two TLDs assigned to each monitoring location, representing the variability between the elemental doses of each of the six TLD elements.
- (4) TLDs were not in the field at this monitoring location during this quarter. Refer to Appendix A of this report for an explanation of program changes to the REMP.
- (5) No measurement could be made because the TLDs were lost, stolen or damaged.
- (6) Uncertainties associated with quarterly indicator and control averages are two standard deviations, representing the variability between the results of the individual monitoring locations.
- (7) Data were invalidated for this period because of an unacceptably high coefficient of variation among element readings (not applicable for 2004 data).
- (8) Extra TLDs, not required by TRM/ODCM (i.e. do not provide additional benefit) and were deleted from the monitoring program.