

**From:** "Kevin Taylor" <ktaylor@energysolutions.com>  
**To:** "Marjorie McLaughlin" <MMM3@nrc.gov>  
**Date:** Thu, Feb 16, 2006 2:03 PM  
**Subject:** FW: Whittaker 2006 1st Qtr. Inspection

Marjorie:

Report from the site inspection provided below. I will prepare a formal deliverable next week.

Regards,

Kevin Taylor  
EnergySolutions, LLC

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From: Patrick Horkman  
Sent: Thursday, February 16, 2006 1:42 PM  
To: Kevin Taylor  
Cc: Richard Moss; Lori Czyz  
Subject: Whittaker 2006 1st Qtr. Inspection

Kevin,

Attached is the survey and the instrument data associated with the 2006 1st qtr inspection. I took photos but I'm not able to download them for some reason. All the silt fencing is still in place and looks adequate, it also doesn't look like any significant erosion occurred over the last 2.5 months and all rad postings are still in place. We pulled and shipped (3) soil samples as discussed and they are on their way to STL as we speak. Everything onsite looks just the way we left it last year and when we mobilize this spring we will walk the site down again prior to any other site activities. Sorry about the photos. Thanks!!

Pat

CC: <brwerner@state.pa.us>

A/1/2/2

**Mail Envelope Properties** (43F4CC87.E40 : 1 : 56896)

**Subject:** FW: Whittaker 2006 1st Qtr. Inspection  
**Creation Date** Thu, Feb 16, 2006 2:05 PM  
**From:** "Kevin Taylor" <[ktaylor@energysolutions.com](mailto:ktaylor@energysolutions.com)>  
**Created By:** [ktaylor@energysolutions.com](mailto:ktaylor@energysolutions.com)

**Recipients**

nrc.gov  
kp1\_po.KP\_DO  
MMM3 (Marjorie McLaughlin)

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brwerner CC

**Post Office**

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**Files**

	<b>Size</b>
MESSAGE	1117
TEXT.htm	2822
Fenceline Survey 2006.xls	321536
Instrument Ranges and Bkg.xls	44544
Mime.822	507253

**Date & Time**

Thursday, February 16, 2006 2:05 PM

**Options**

**Expiration Date:** None  
**Priority:** Standard  
**ReplyRequested:** No  
**Return Notification:** None

**Concealed Subject:** No  
**Security:** Standard



## INSTRUMENT RESPONSE RANGE CHECK

Meter Model # L-2221 Date 02/15/2006  
 Meter Serial # 172022

Probe Model # 44-10 Source Type Cs-137  
 Probe Serial # 226936 Source Serial # CS 7A

instrument background N/A

location of source on the detector Bottom Center

Note: All source readings @ contact

	source reading (net response)	(reading - mean)	squared
1	1,151,704	31,145	970035941.2
2	1,107,072	-13,487	181888379.6
3	1,168,300	47,741	2279241274
4	1,197,832	77,273	5971178348
5	1,104,449	-16,110	259519212.2
6	1,115,700	-4,859	23605993.96
7	1,115,562	-4,997	24966011.56
8	1,129,860	9,301	86516041.96
9	1,118,341	-2,218	4917749.76
10	996,766	-123,793	15324607815
<b>total</b>	<b>11,205,586</b>		<b>total 25126476766</b>
<b>mean</b>	<b>1,120,559</b>		<b>total divide 9 2791830752</b>
			<b>sqrt. 52838</b>

upper range = mean + (1.96)(sqrt) = 1224121 cpm  
 lower range = mean - (1.96)(sqrt) = 1016997 cpm

Technician \_\_\_\_\_

Reviewer \_\_\_\_\_

	<u>source check</u>	<u>bkg.</u>
2/15/06	1105331 cpm	8305 cpm
2/16/06	1183351 cpm	9100 cpm