From: "Kevin Taylor" <ktaylor@energysolutions.com>
To: "Adams, Wade" <Wade.Adams@orau.org>, "John Nicholson" <JJN@nrc.gov>
Date: Wed, Oct 31, 2007 2:20 PM
Subject: Surveys from Whittaker Sect 1 SU3

SMA-1018
04007455

Wade:

The surveys we discussed are attached.

John:

Wade said that his report on Section 1 Survey Unit 3 samples (second visit) is on its way to you. When can we expect to get some sort of concurrence from you that we are OK to back fill Section 1 SU3? We are hoping to demobilize in a couple of weeks and want to backfill to stabilize the area for winter. Please give me a call when you can.

Thanks

Kevin E. Taylor, PE, CHP

EnergySolutions, LLC

17 College St., Suite D

Greenville, SC 29601

864.235.3695 - office

864.235-8405 - fax

864.414.3831 - cell

ktaylor@energysolutions.com

CC: "Gerard Toumey" <gtoumey@energysolutions.com>, "Dennis L. Davids" <dldavids@energysolutions.com>

Mail Envelope Properties (4728C743.DC1 : 6 : 48577)

Subject: Surveys from Whittaker Sect 1 SU3
Creation Date Wed, Oct 31, 2007 2:18 PM
From: "Kevin Taylor" <ktaylor@energysolutions.com>

Created By: ktaylor@energysolutions.com

Recipients
nrc.gov
kp1_po.KP_DO
JJN (John Nicholson)

energysolutions.com
dldavids CC (Dennis L. Davids)
gtoumey CC (Gerard Toumey)

orau.org
Wade.Adams (Wade Adams)

Post Office
kp1_po.KP_DO

Route
nrc.gov
energysolutions.com
orau.org

Files	**Size**	**Date & Time**
MESSAGE	617	Wednesday, October 31, 2007 2:18 PM
TEXT.htm	5232	
WS-07-1067_0003 - S1 SU3 hole.pdf	599975	
WS-07-1065 - pipe survey.pdf	646869	
Mime.822	1715081	

Options

Expiration Date:	None
Priority:	Standard
ReplyRequested:	No
Return Notification:	None
Concealed Subject:	No
Security:	Standard

Junk Mail Handling Evaluation Results
Message is eligible for Junk Mail handling
This message was not classified as Junk Mail

Junk Mail settings when this message was delivered
Junk Mail handling disabled by User
Junk List is not enabled
Junk Mail using personal address books is not enabled
Block List is not enabled

ENERGYSOLUTIONS

82A8008
Survey Cover Sheet

Survey No. WS-07-1067

Surveyor:	Dave Stalnaker (Print)	Sign	10/30/2007 (Date)
Reviewer:	Dennis Davids (Print)	Sign	10/30/2007 (Date)

Survey Meters

Direct Gamma Measurements		NA		NA		NA		Dose Rate Results	
Meter Model #	2221	Meter Model #	2221	Meter Model #	NA	Meter Model #	NA	Meter Model #	19
Meter Serial #	176955	Meter Serial #	176955	Meter Serial #	NA	Meter Serial #	NA	Meter Serial #	207505
Probe Serial #	207827	Probe Serial #	207827	Probe Serial #	NA	Probe Serial #	NA	Cal Due	3/28/2008
Cal Due	3/27/2008	Cal Due	3/27/2008	Cal Due	NA	Cal Due	NA	Type α, β γ	γ
Efficiency (%)	10%	Efficiency (%)	NA	Efficiency (%)	NA	Efficiency (%)	NA	BKG (μR/hr)	10
Type α, β γ	NA	Type α, β γ	NA	Type α, β γ	NA	Type α, β γ	NA	Guideline (μR/hr)	NA
Sample Time (min)	1	Sample Time (min)	1	Sample Time (min)	NA	Sample Time (min)	NA	Action Level (μR/hr)	NA
Background Time (min)	10	Background Time (min)	10	Background Time (min)	NA	Background Time (min)	NA		
Background Reading (counts)	103365	Background Reading (counts)	NA	Background Reading (counts)	NA	Background Reading (counts)	NA		
BKG (cpm)	10337	BKG (cpm)	NA	BKG (cpm)	NA	BKG (cpm)	NA		
MDC (dpm/100cm2)	NA	MDC (dpm/100cm2)	NA	MDC (dpm/100cm2)	NA	MDC (dpm/100cm2)	NA		
Guideline (dpm/100cm2)	NA	Guideline (dpm/100cm2)	NA	Guideline (dpm/100cm^2)	NA	Guideline (dpm/100cm^2)	NA		
Action Level (dpm/100cm2)	NA	Action Level (dpm/100cm2)	NA	Action Level (dpm/100cm^2)	NA	Action Level (dpm/100cm^2)	NA		

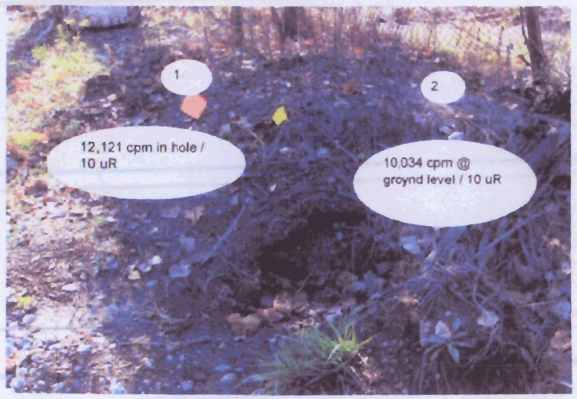
LOCATION: Whittaker Project Transfer, PA
PURPOSE: ORISE Investigational Survey S1-SU3 Hilltop

Location	Gross CPM Gamma	dpm/100cm^2 Direct Alpha	dpm/100cm^2 Smear Beta/G	dpm/100cm^2 Smear Alpha	uR/hr Dose Rate
1	12121	NA	NA	NA	10
2	10034	NA	NA	NA	10
3	12347	NA	NA	NA	10
4	10354	NA	NA	NA	10

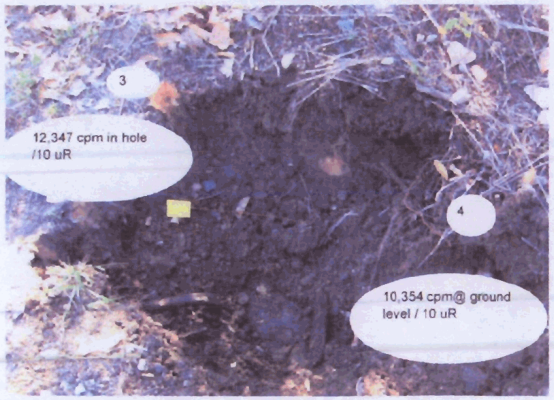
Notes

Area around sample location was scanned with a model 2221 w/ 44-10 probe

1 Minute field bkg = 8754 cpm
low=9020
high=11400
avg=10210



Pre Soil Removal



Post Soil Removal

ENERGYSOLUTIONS

Survey Cover Sheet

Survey No. WS-07-1065

Surveyor:	DaviD Stalnaker (Print)	David Stalnaker (Sign)	10/29/2007 (Date)
Reviewer:	Dennis Davids (Print)	(Sign)	10/29/2007 (Date)

Survey Meters

Direct Frisk Beta/Gamma		Direct Frisk Alpha		β γ Smear Results		α Smear Results		Dose Rate Results	
Meter Model #	NA	Meter Model #	NA	Meter Model #	L2929	Meter Model #	L2929	Meter Model #	19
Meter Serial #	NA	Meter Serial #	NA	Meter Serial #	142652	Meter Serial #	142652	Meter Serial #	207505
Probe Serial #	NA	Probe Serial #	NA	Probe Serial #	61489	Probe Serial #	61489	Cal Due	3/28/2008
Cal Due	NA	Cal Due	NA	Cal Due	4/3/2008	Cal Due	4/3/2008	Type α, β γ	γ
Efficiency (%)	NA	Efficiency (%)	NA	Efficiency (%)	48.00%	Efficiency (%)	56.60%	BKG (µR/hr)	10
Type α, β γ	NA	Type α, β γ	alpha	Type α, β γ	beta/gamma	Type α, β γ	alpha	Guideline (µR/hr)	NA
Sample Time (min)	NA	Sample Time (min)	NA	Sample Time (min)	1	Sample Time (min)	1	Action Level (µR/hr)	NA
Background Time (min)	NA	Background Time (min)	NA	Background Time (min)	90	Background Time (min)	90		
Background Reading (counts)	NA	Background Reading (counts)	NA	Background Reading (counts)	4221	Background Reading (counts)	31		
BKG (cpm)	NA	BKG (cpm)	NA	BKG (cpm)	46.9	BKG (cpm)	0.3		
MDC (dpm/100cm2)	NA	MDC (dpm/100cm2)	NA	MDC (dpm/100cm2)	107	MDC (dpm/100cm2)	30		
Guideline (dpm/100cm2)	NA	Guideline (dpm/100cm2)	NA	Guideline (dpm/100cm^2)	NA	Guideline (dpm/100cm^2)	NA		
Action Level (dpm/100cm2)	NA	Action Level (dpm/100cm2)	NA	Action Level (dpm/100cm^2)	NA	Action Level (dpm/100cm^2)	NA		

LOCATION: Whittaker Project Transfer, PA
PURPOSE: Investagation Of Misc. Pipe Sect.#1

Location	dpm/100cm^2 Direct Beta/G	dpm/100cm^2 Direct Alpha	dpm/100cm^2 Smear Beta/G	dpm/100cm^2 Smear Alpha	uR/hr Dose Rate
1	NA	NA	<MDC	<MDC	10.00
2	NA	NA	<MDC	<MDC	10.00
3	NA	NA	<MDC	<MDC	10.00
4	NA	NA	<MDC	<MDC	10.00
5	NA	NA	33.75	<MDC	10.00
6	NA	NA	<MDC	<MDC	10.00
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Notes

Area around pipe was scanned w/L-2221
Bkgd = 1 Min. 8996. CPM.
High reading=9700cpm CPM.
Low Readig =9000 CPM.
AVG=9350

Inst#176955 Cal Due3/27/08
Probe #207827 Cal Due 3/27/08