

**APPENDIX C  
RADIATION PROTECTION SURVEY FORM  
Form 010.1-1**


Sheet 1 of 1

R.P Tech (print): <u>Onilo Reyes</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>12-17-2013</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>19</u>	<u>130302</u>	<u>12/10/2014</u>			Survey #	
<u>3030-F</u>	<u>217607</u>	<u>05/13/2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	<u>39</u>
					2	<u>42</u>
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	

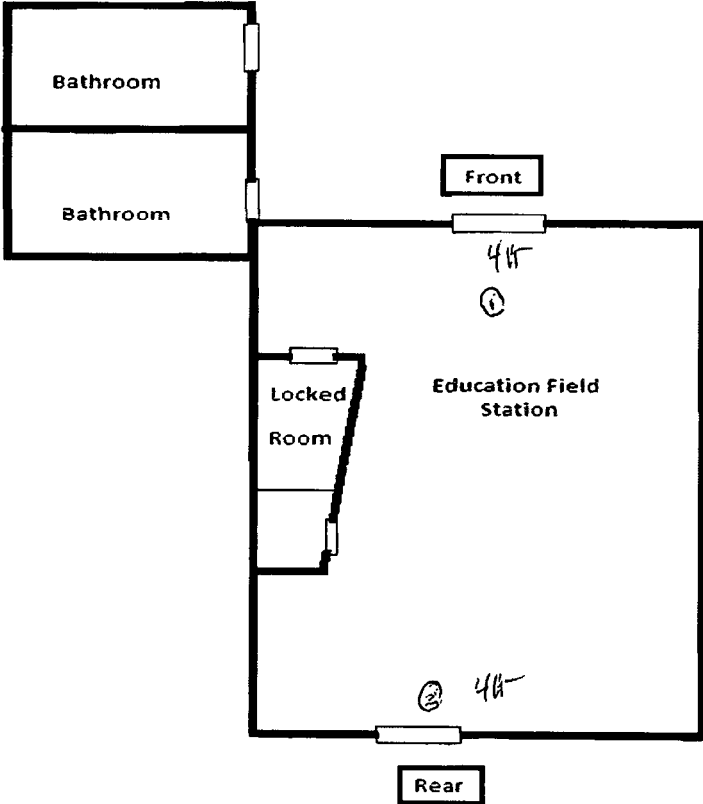
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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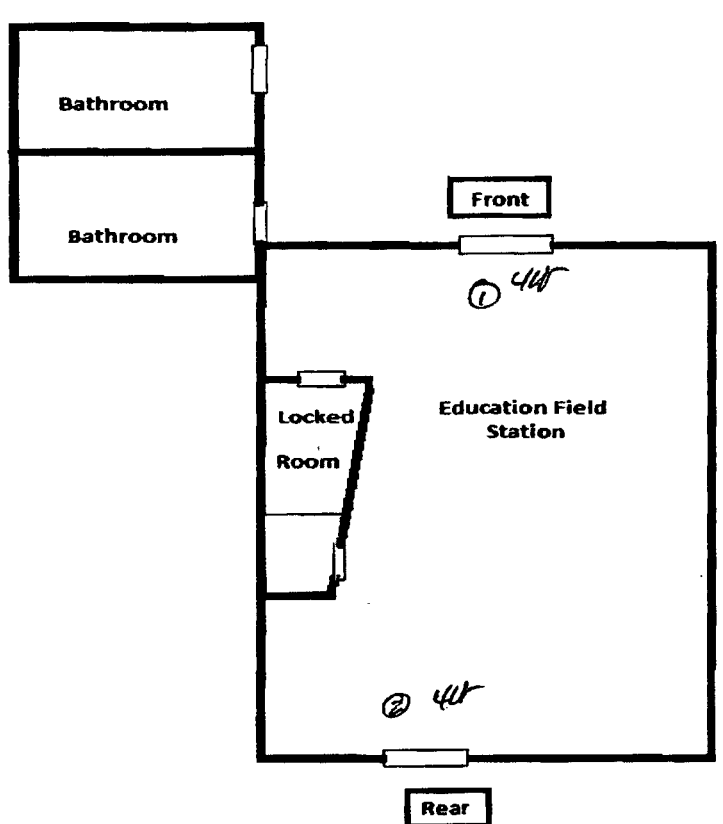
R.P Tech (print): <u>Adolfo Matos</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-11-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1000</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # N/A	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	<u>0</u>
					2	<u>1</u>
					3	<u>28</u>
					4	<u>37</u>
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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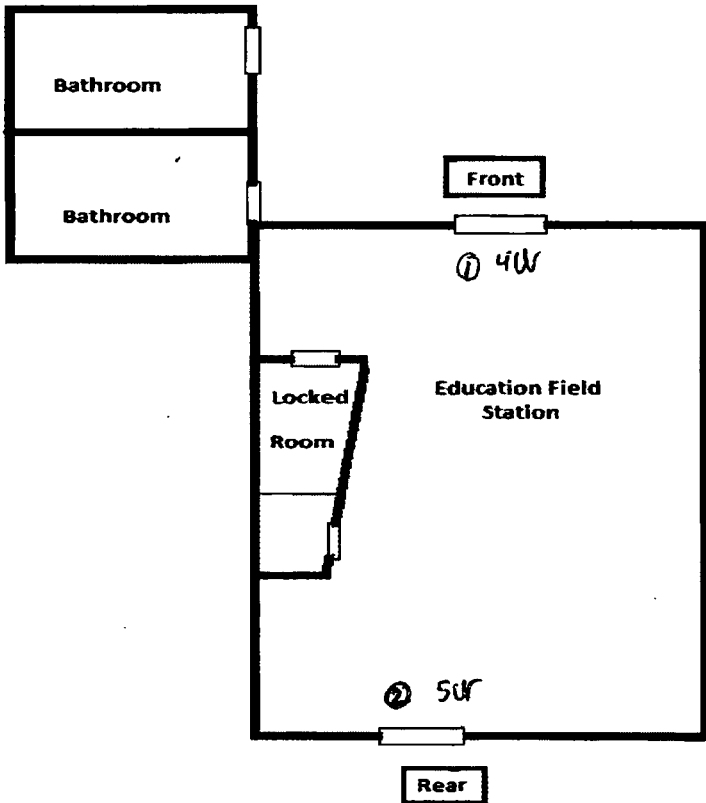
R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-18-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0921</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey #	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
			Survey Pt #	$\alpha$	$\beta$	
			1	1	48	
			2	0	41	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-25-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0717</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # N/A	
					Results: $\mu\text{Ci/cc}$ (B,Y)	
					Results: $\mu\text{Ci/cc}$ (a)	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
			1		<u>1</u>	<u>33</u>
			2		<u>0</u>	<u>32</u>
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

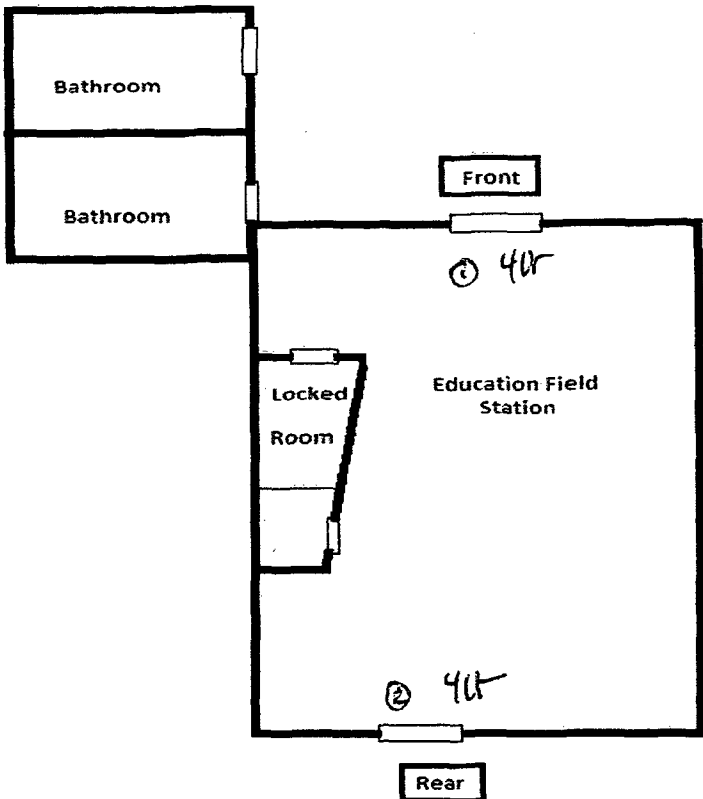
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>Adolfo Martus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-04-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0830</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					1	<u>1</u> <u>42</u>
					2	<u>1</u> <u>48</u>
					3	<u>N/A</u> <u>N/A</u>
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	<u>X</u> <u>X</u>



Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-15-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0900</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			Survey Pt #	$\alpha$	$\beta$	
			1	<u>0</u>	<u>40</u>	
			2	<u>i</u>	<u>37</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-20-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0730</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>27607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	31
					2	39
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 10px;"> <p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p> </div> </div>						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-27-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0815</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,y)	
					Results: $\mu\text{Ci/cc}$ (a)	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	0
					2	0
					3	34
					4	43
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1; font-size: small;"> <p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p> </div> </div>						

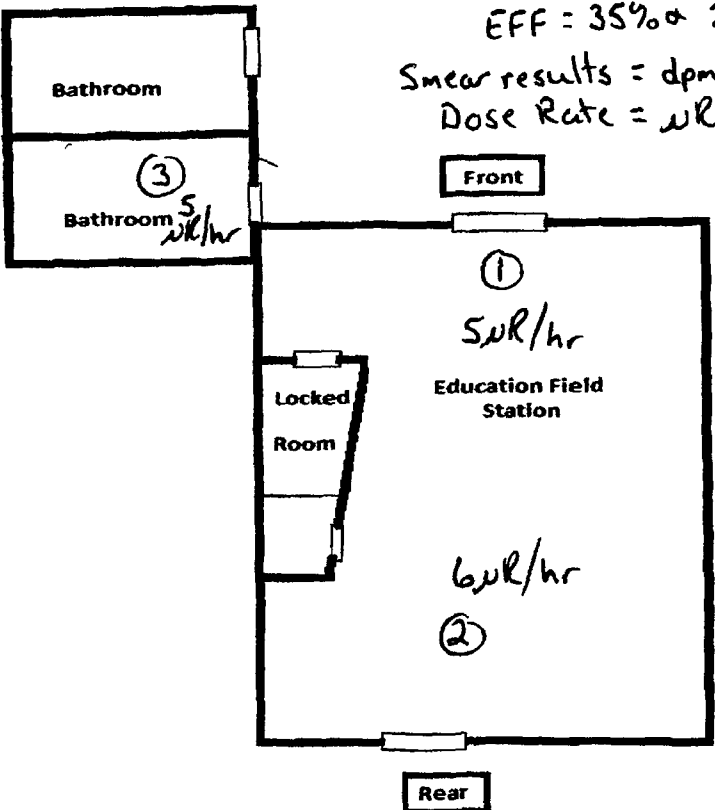
Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_



	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-12-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1300</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
	<u>N</u>				Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
	<u>A</u>		All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
			Survey Pt #	$\alpha$	$\beta$	
			1	0	-34.8	
			2	0	-13.0	
			3	0	4.3	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20	N/A	N/A				

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

3-12-14  
 Performed By: B. Cole Date: 4/25/14 Reviewed By:      Date:

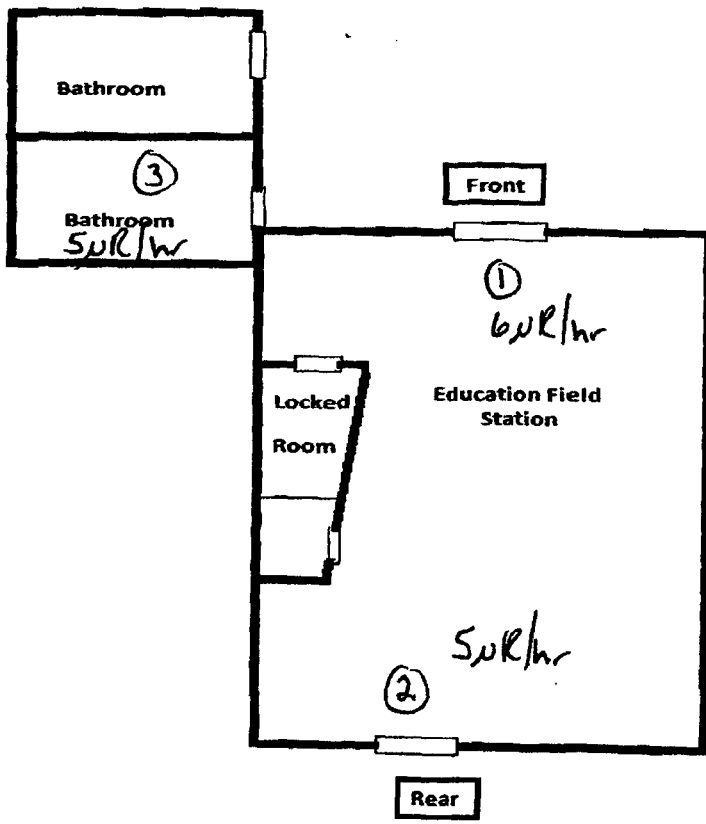
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. COLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-21-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <u>N/A</u> </div>					Results: $\mu\text{Ci/cc}$ (B,y)	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ (a)	
					Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>0</u>
					<u>2</u>	<u>2.9</u>
					<u>3</u>	<u>0</u>
					<u>4</u>	<u>N/A</u>
					<u>5</u>	
					<u>6</u>	
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	
					<u>20</u>	<u>N/A</u>



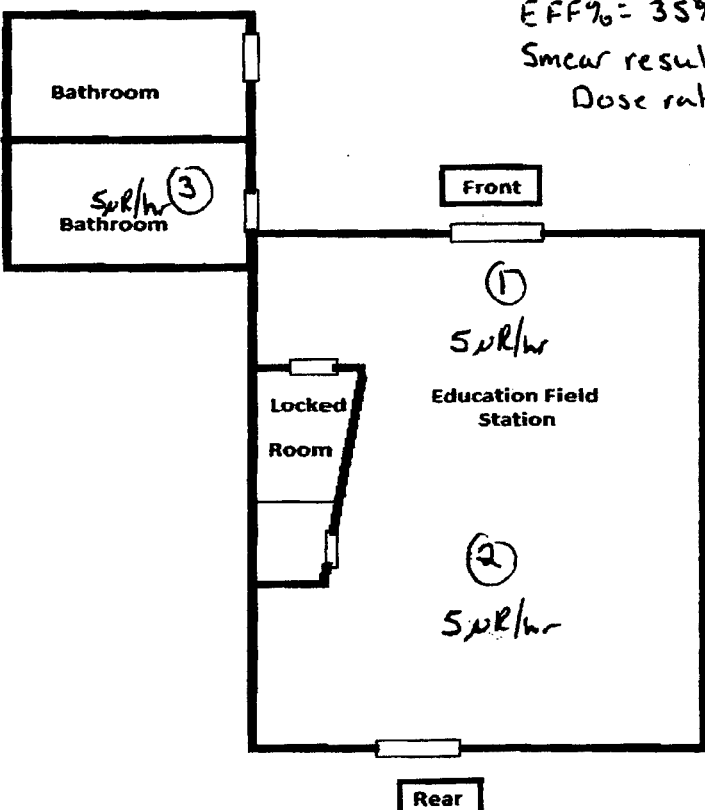
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

3-21-14  
 Performed By: B. COLE Date: 3-25-14 Reviewed By:      Date:


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R.P Tech (print): <u>Bennie Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-26-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1420</u>	
L 3030	176108	4-30-14			Survey #	
L 19	180302	12-16-14			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (B.y)}$	
					Results: $\mu\text{Ci/cc (a)}$	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	
			$\alpha$ $\beta$ $\text{dpm/100cm}^2$ $\text{dpm/100cm}^2$			
			1	0	0	
			2	2.9	30.4	
			3	0	13.0	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20	N/A	N/A				
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

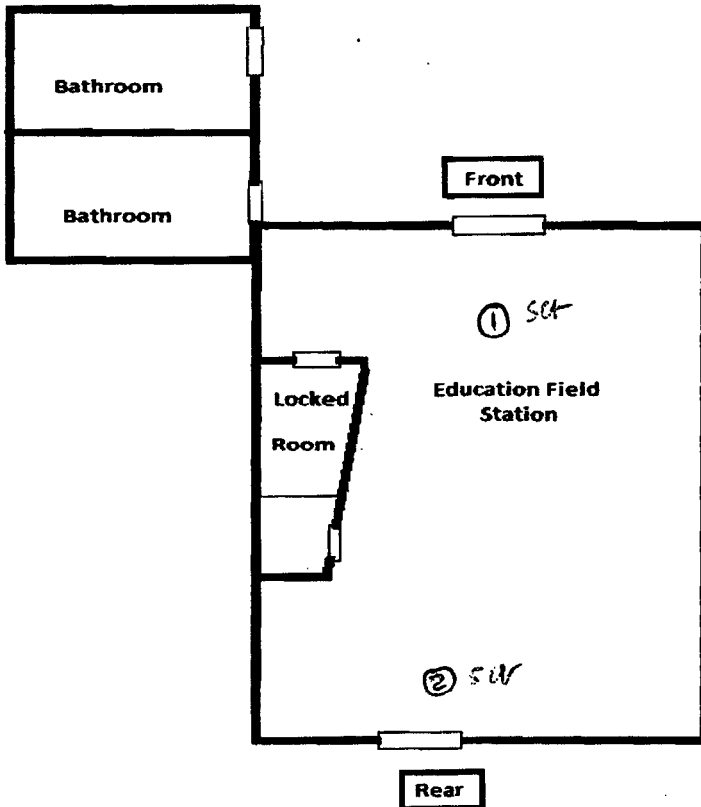
Performed By: B. Cole Date: 3-26-14 Reviewed By:          Date:           
 3-26-14

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: <u>3-3-14</u>		
Model	S/N	Cal. Due	Weekly Survey	Time: <u>0800</u>		
<u>19</u>	<u>180302</u>	<u>12-16-14</u>		Survey #		
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>		Air Sample # N/A		
				Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
			All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
				1	<u>0</u>	<u>38</u>
			2	<u>0</u>	<u>35</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F= foot level; O = Smear Location</p>						




Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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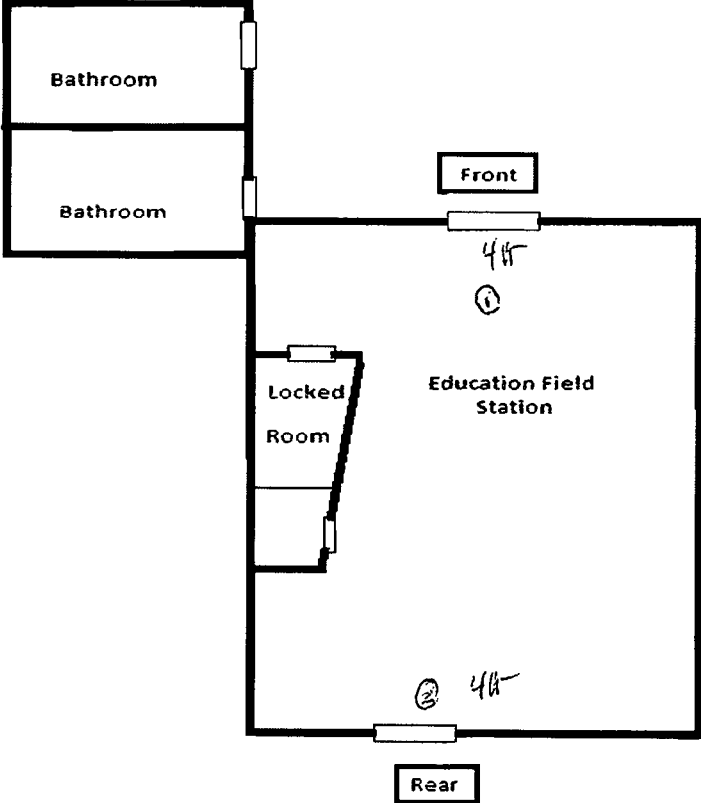
R.P Tech (print): <u>Chico Reyes</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>12-17-2013</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>19</u>	<u>180302</u>	<u>12/10/2014</u>			Survey #	
<u>3030-E</u>	<u>217607</u>	<u>05/13/2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	<u>1</u>
					2	<u>0</u>
					3	<u>39</u>
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 20px;"> <p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F= foot level; O = Smear Location</p> </div> </div>						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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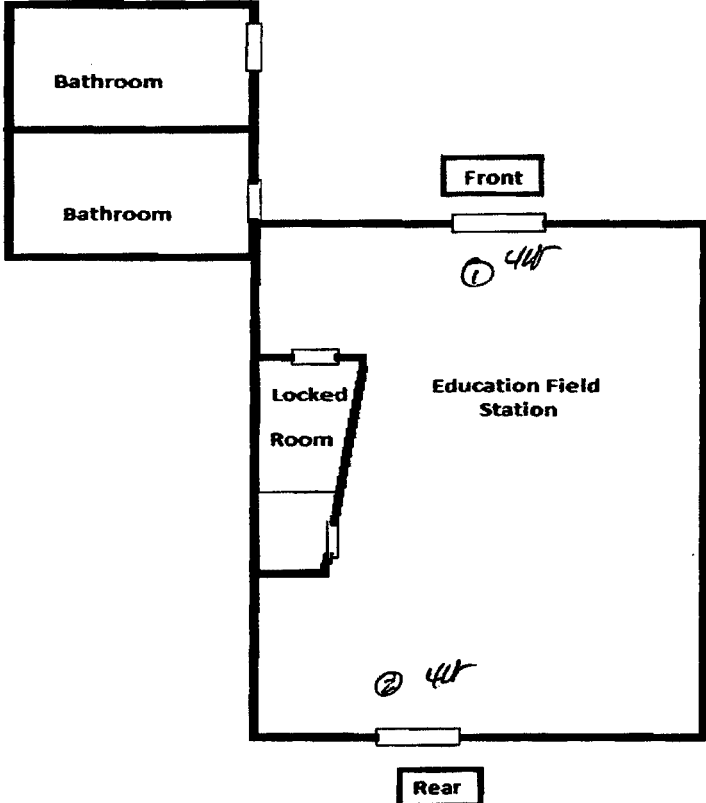
R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-11-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1000</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
						$\beta$
					1	<u>0</u> <u>28</u>
					2	<u>1</u> <u>37</u>
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


 <b>TIDEWATER</b> INC	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-18-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0921</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey #	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (B,Y)}$	
					Results: $\mu\text{Ci/cc (a)}$	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
				1	<u>1</u>	<u>48</u>
				2	<u>0</u>	<u>41</u>
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

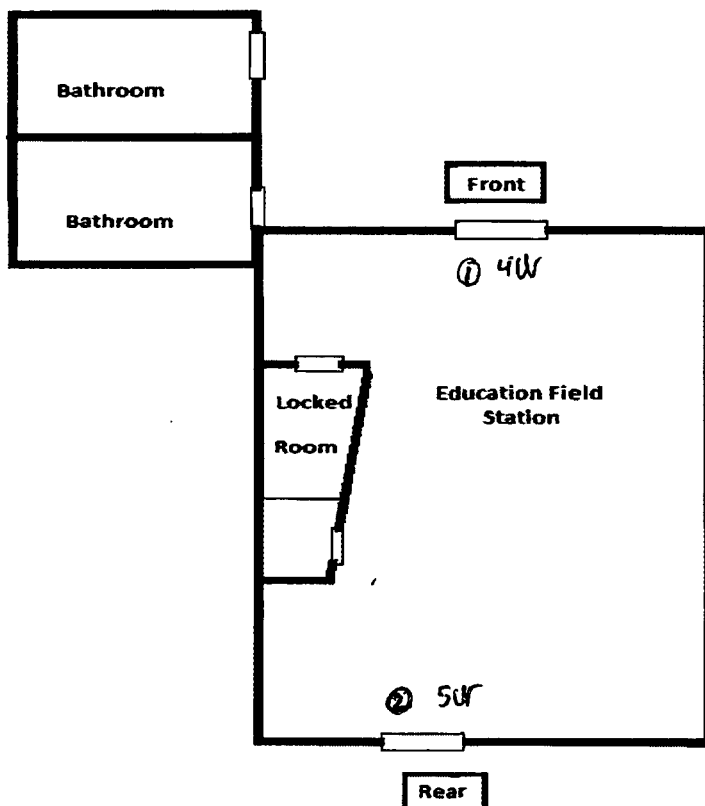
Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-25-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0717</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # N/A	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>1</u> <u>33</u>
					<u>2</u>	<u>0</u> <u>32</u>
					<u>3</u>	
					<u>4</u>	
					<u>5</u>	
					<u>6</u>	
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	
					<u>20</u>	
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p>						



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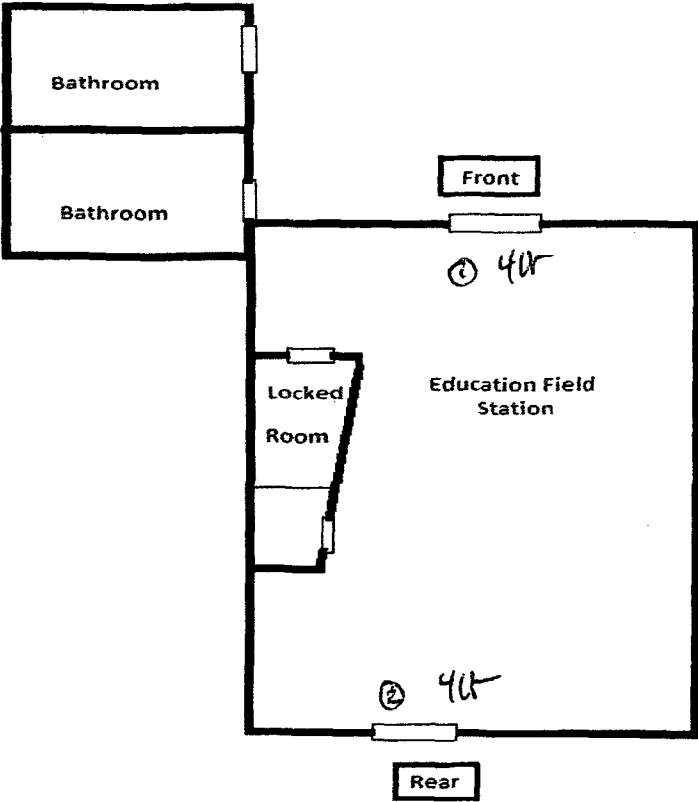


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R.P Tech (print): <u>Adolfo Martus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-04-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0830</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					1	<u>1</u> <u>42</u>
					2	<u>1</u> <u>48</u>
					3	<u>N/A</u> <u>N/A</u>
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	<u>X</u> <u>X</u>



Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-15-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0900</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,Y)	
					Results: $\mu\text{Ci/cc}$ (a)	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	0
					2	1
					3	40
					4	37
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1; padding-left: 20px;"> <p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p> </div> </div>						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: <u>N/A</u>	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-20-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0730</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #	
<u>3030 E</u>	<u>27607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			Survey Pt #	$\alpha$	$\beta$	
			1	<u>1</u>	<u>31</u>	
			2	<u>0</u>	<u>39</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						


Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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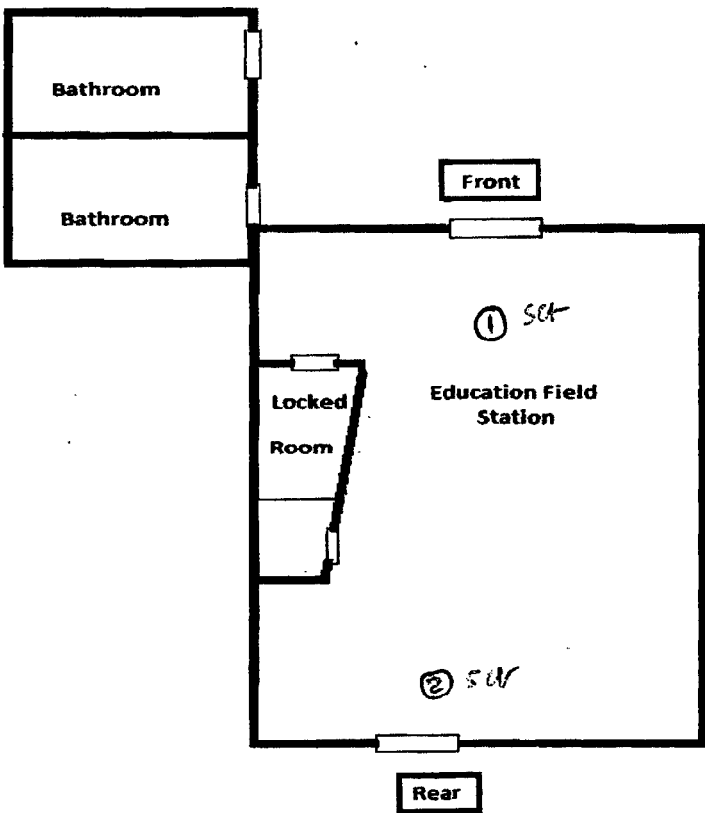
R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: <u>01-27-2014</u>		
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0815</u>		
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey #		
<u>3030 E</u>	<u>217807</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>		
					Results: $\mu\text{Ci/cc}$ (B,y)		
					Results: $\mu\text{Ci/cc}$ (a)		
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$	
						$\beta$	
					1	<u>0</u>	<u>34</u>
					2	<u>0</u>	<u>43</u>
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location							

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R.P Tech (print): <u>Addo Matus</u>			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: <u>3-3-14</u>		
Model	S/N	Cal. Due	Weekly Survey	Time: <u>0800</u>		
<u>19</u>	<u>180302</u>	<u>12-16-14</u>		Survey #		
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>		Air Sample # N/A		
				Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
			All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
				1	<u>0</u>	<u>38</u>
			2	<u>0</u>	<u>35</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
				<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F= foot level; O = Smear Location</p>		

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

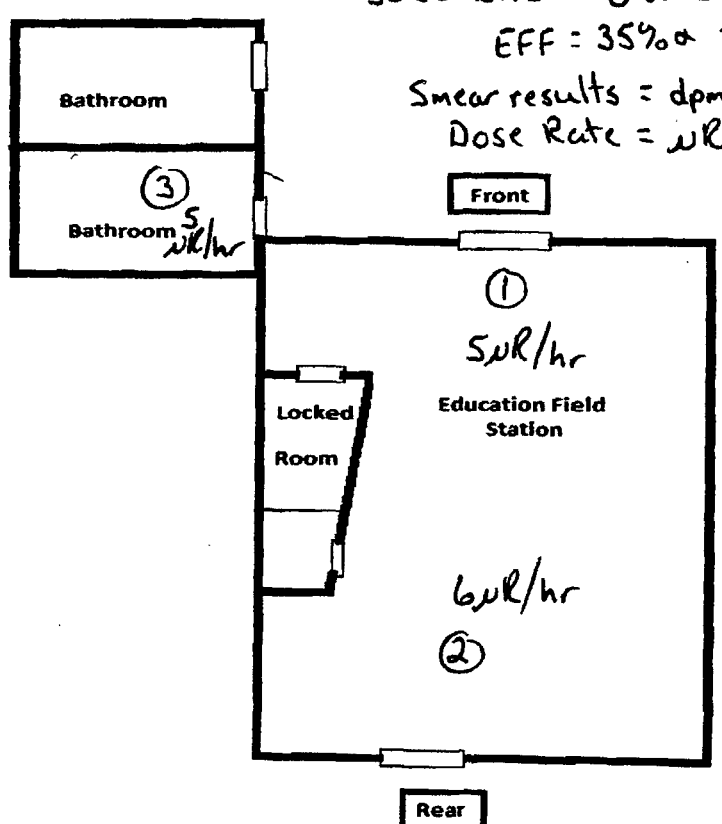
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-12-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1300</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		Survey Pt #	
			All dose rates in mR/hr unless otherwise noted.		$\alpha$	
					$\beta$	
					1	
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	



3030 BKG = 0 & 37 B'Y

EFF = 35% & 23% B'Y

Smear results = dpm/100 cm<sup>2</sup>


Dose Rate = uR/hr

5 uR/hr

6 uR/hr

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: B. Cole Date: 3-12-14 Reviewed By: 4/25/14 Date:

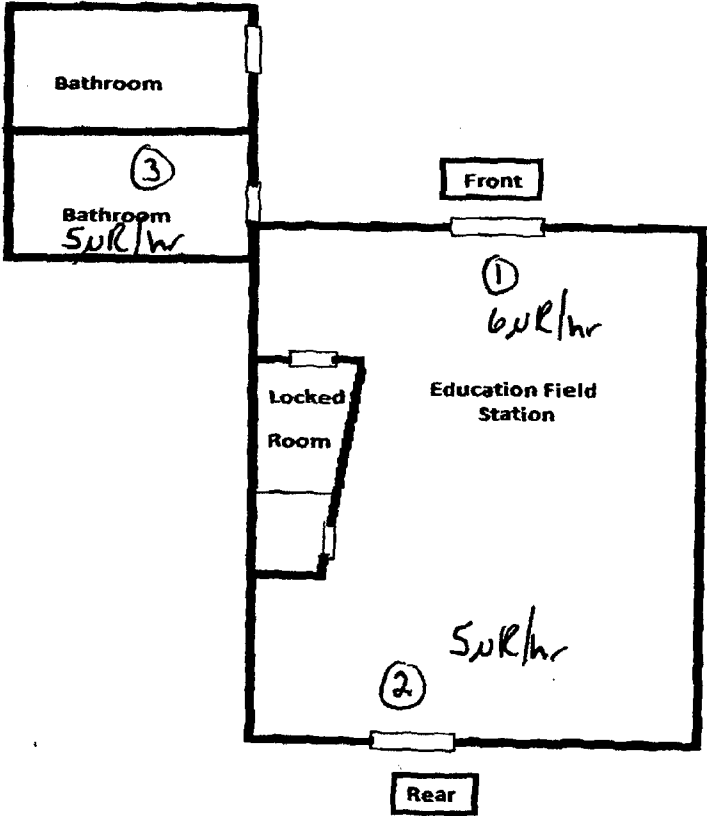
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. Coe</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-21-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>	<u>N/A</u>				Results: $\mu\text{Ci/cc (B,y)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (a)}$	
			Survey Pt #	$\alpha$	$\beta$	
			1	0	-17.4	
			2	2.9	0	
			3	0	-26.1	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20	N/A	N/A	

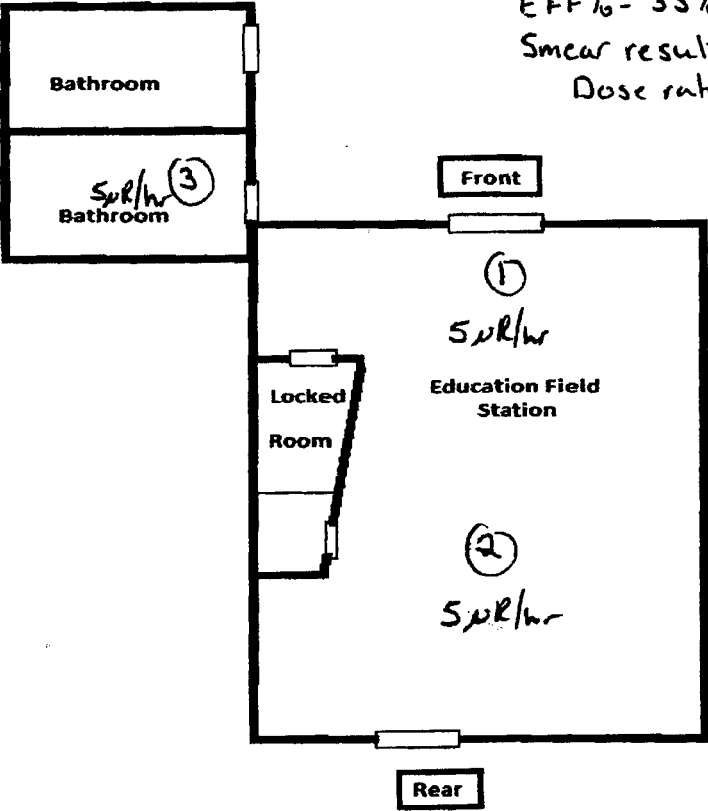


Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

3-21-14  
 Performed By: B. Coe Date: 4/25/14 Reviewed By:      Date:

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R.P Tech (print): <u>Bennie Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-26-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1420</u>	
L 3030	176108	4-30-14			Survey #	
L 19	180302	12-16-14			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (B,Y)}$	
					Results: $\mu\text{Ci/cc (a)}$	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	
						
			1	0	0	
			2	2.9	30.4	
			3	0	13.0	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
19						
20	N/A	N/A				

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

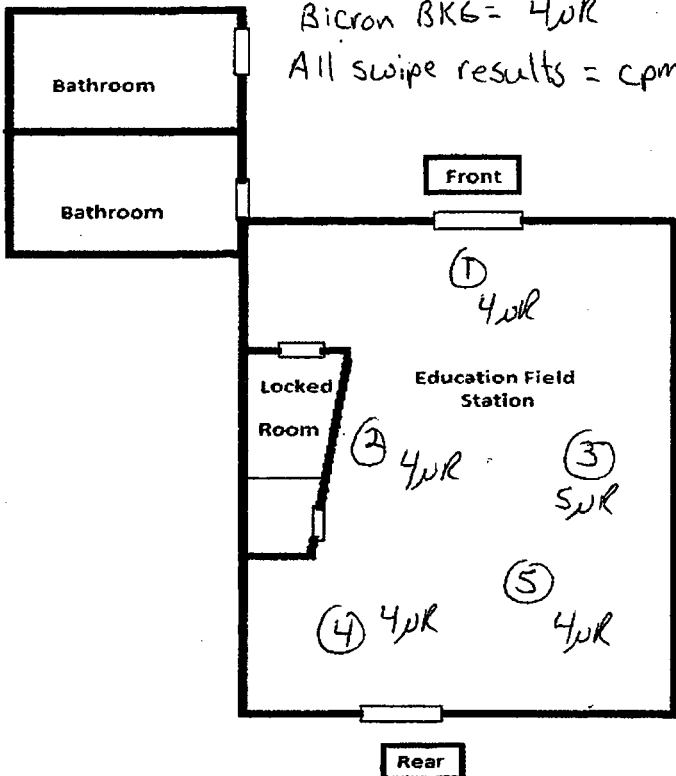
Performed By: B. Cole Date: 4/25/14 Reviewed By:          Date:           
 3-26-14




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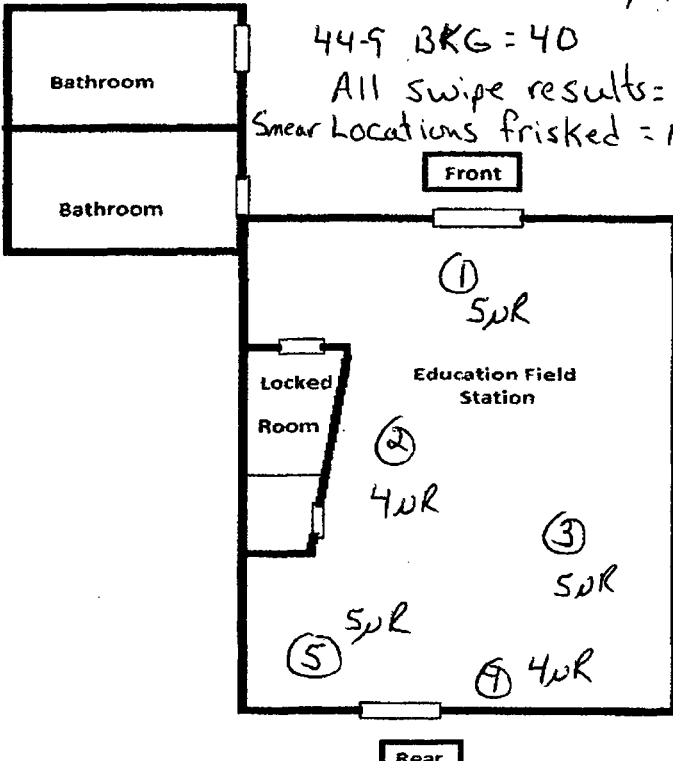
R.P Tech (print):			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: 6-18-14		
Model	S/N	Cal. Due	Weekly Survey	Time: 0800		
2929	137620	6-4-15		Survey #		
43-10-1	203054	6-4-15		Air Sample # N/A		
Bicron	1299			Results: $\mu\text{Ci/cc (B.V.)}$		
				Results: $\mu\text{Ci/cc (a)}$		
			All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
 <p>2929 BKG = <math>\alpha</math> / <math>\beta</math>-8          Bicron BKG = 4uR          All swipe results = cpm/100cm<sup>2</sup></p>				1	0	50
				2	0	55
				3	0	48
				4	0	49
				5	0	58
				6	N/A	N/A
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20	N/A	N/A
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**  
**Form 010.1-1**

Sheet 1 of 1

R.P Tech (print):			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: 6-30-14		
Model	S/N	Cal. Due	Weekly Survey Floor	Time: 1700		
2929	137620	6-4-15		Survey #		
43-10-1	203054	6-4-15		Air Sample # N/A		
12	229277	2-21-15		Results: $\mu\text{Ci/cc (B,Y)}$		
44-9	125462	2-21-15		Results: $\mu\text{Ci/cc (a)}$		
Bicron	1299		All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
 <p> 2929 BKG = 0.2 / 43 B Y  44-9 BKG = 40  All swipe results = cpm/100cm<sup>2</sup>  Smear Locations frisked = NDA </p>				1	0	46
				2	0	41
				3	2	48
				4	0	53
				5	0	50
				6	N/A	N/A
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19	N/A	N/A
				20	N/A	N/A
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						


Performed By: B. Cope Date: 1/25/14 Reviewed By:      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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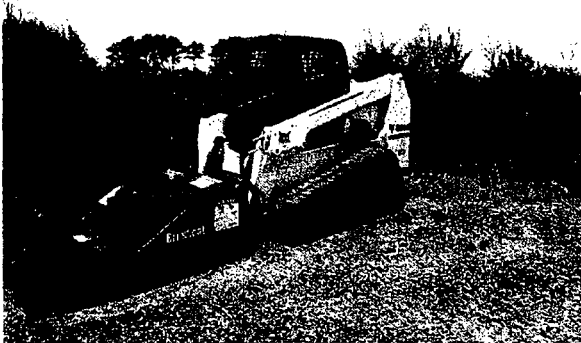
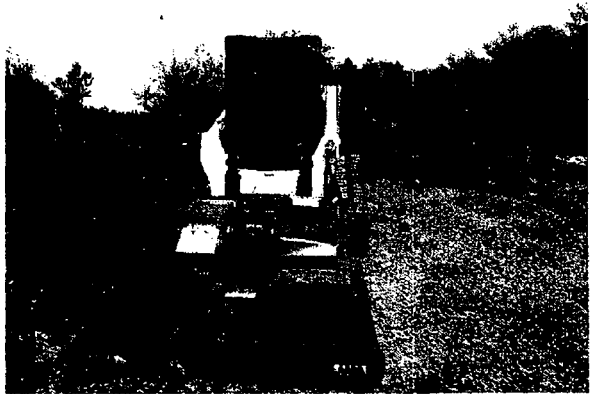
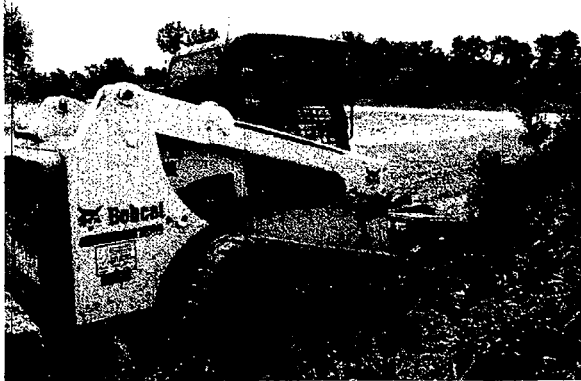
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014		
Model	S/N	Cal. Due	Outgoing Survey BobCat		Time: 1600		
12	229277	2-21-15			Survey #		
44-9	125462	2-21-15			Air Sample # N/A		
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$		
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$ $\beta$	
<p>BobCat SN# 1010180 frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF=    %<math>\alpha</math> /    %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF=    %<math>\beta\gamma</math></p> <p>Smear locations</p> <ol style="list-style-type: none"> <li>1. Blade</li> <li>2. Blade</li> <li>3. Large Roller</li> <li>4. Under deck</li> <li>5. Under deck</li> <li>6. Left track</li> <li>7. Right track</li> <li>8. Body</li> <li>9. Undercarriage</li> <li>10. Floorboard</li> </ol>					1	1	52
					2	0	45
					3	0	42
					4	0	53
					5	0	55
					6	0	53
					7	0	46
					8	0	48
					9	0	45
					10	1	50
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>							

Performed By: B.Cole      Date: 6/30/14      Reviewed By      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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	<p align="center">N/A</p>

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R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014	
Model	S/N	Cal. Due	Outgoing Survey Excavator		Time: 1430	
12	229277	2-21-15			Survey #	
44-9	125462	2-21-15			Air Sample # N/A	
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$	
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
<p>TAKEUCHI SN#1223821 excavator frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF= %<math>\alpha</math> / %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF= %<math>\beta\gamma</math></p> <p>Smear locations</p> <p>1.left track</p> <p>2.right track</p> <p>3.outside of bucket</p> <p>4.inside of bucket</p> <p>5.floor board</p>			1	1	46	
			2	1	41	
			3	0	58	
			4	1	36	
			5	0	44	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>						

Performed By: B.Cole      Date: 6/30/14      Reviewed By      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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	<p align="center">N/A</p>

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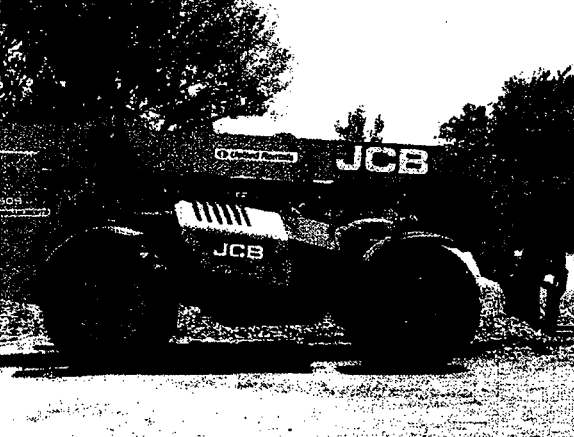
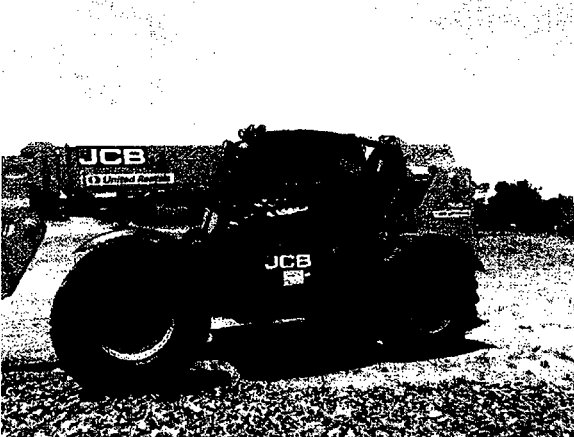

**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
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R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014		
Model	S/N	Cal. Due	Outgoing Survey JCB Fork Lift		Time: 1400		
12	229277	2-21-15			Survey #		
44-9	125462	2-21-15			Air Sample # N/A		
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$		
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
<p>JCB 509-42 SN #10219540 fork lift frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF= %<math>\alpha</math> / %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF= %<math>\beta\gamma</math></p> <p>Smear locations</p> <ol style="list-style-type: none"> <li>1.left fork</li> <li>2.right fork</li> <li>3.right front tire</li> <li>4.right rear tire</li> <li>5.left rear tire</li> <li>6.left front tire</li> <li>7.cab floor</li> <li>8.dash board</li> <li>9.controls</li> <li>10.str/wheel</li> </ol>					1	0	41
					2	0	43
					3	0	54
					4	0	51
					5	0	47
					6	1	51
					7	1	45
					8	0	48
					9	0	56
					10	0	51
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F = foot level; O = Smear Location</p>							


Performed By: B.Cole      Date: 6/30/14      Reviewed By      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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	<p align="center">N/A</p>




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R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 6/18/2014		
Model	S/N	Cal. Due	Incoming Survey BobCat		Time: 1400		
12	229277	2-21-15			Survey #		
44-9	125462	2-21-15			Air Sample # N/A		
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$		
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$ $\beta$	
<p>BobCat SN# 1010180 frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 48<math>\beta</math> (cpm) EFF=    %<math>\alpha</math> /    %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF=    %<math>\beta\gamma</math></p> <p>Smear locations</p> <p>1.Tracks</p> <p>2.Steps</p> <p>3.Handel</p> <p>4.Floor</p> <p>5.Controls</p>					1	0	37
					2	0	37
					3	0	56
					4	0	49
					5	0	51
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>							

Performed By: B.Cole      Date: 6/30/14 Reviewed By      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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**Form 010.1-2**

	
	<p align="center">N/A</p>

259 IN

1.	0	B
2.	0	47
3.	1	40
4.	2	44
5.	1	36
		53

259 OUT

1.	0	B
2.	2	41
3.	6	40
4.	6	44
5.	0	37
		48

~~#~~ 316 IN

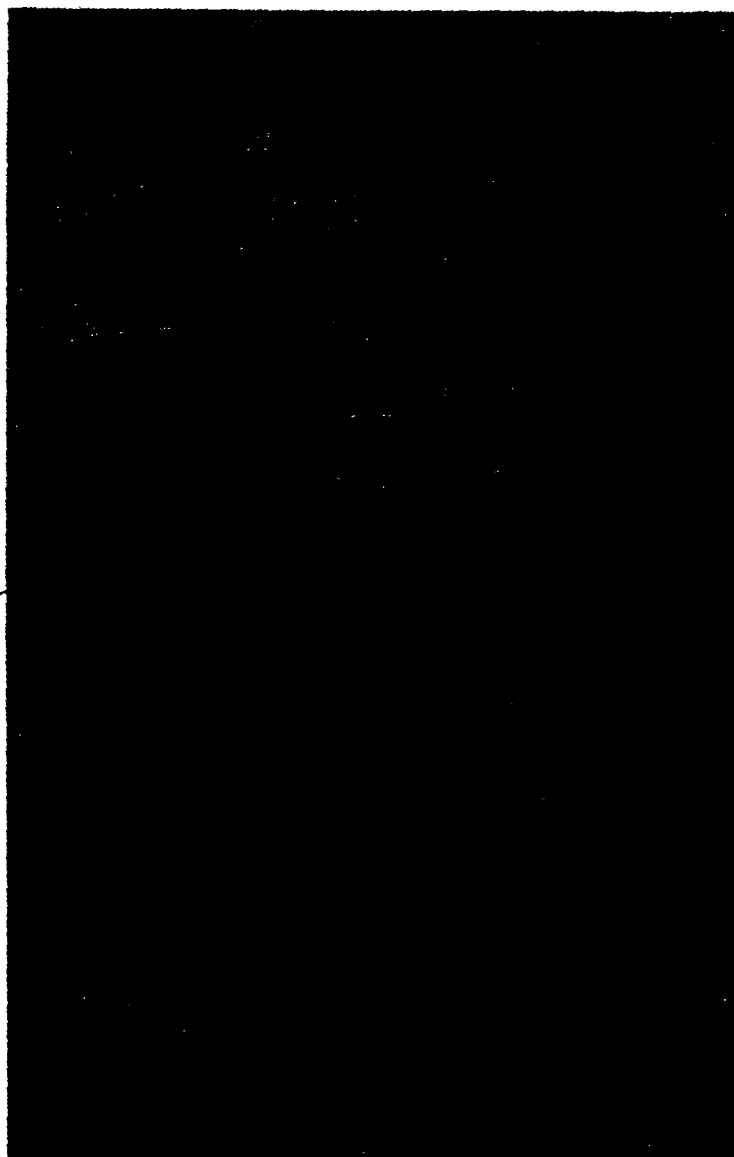
1.	0	B
2.	0	33
3.	1	40
4.	0	42
5.	0	36
		32


1.	0	36
2.	0	44
3.	0	34
4.	0	53
5.	0	50
6.	0	38
7.	0	46

1 min 3030  
BK 0 01/28/14  
B 36

TH-230 x 13661

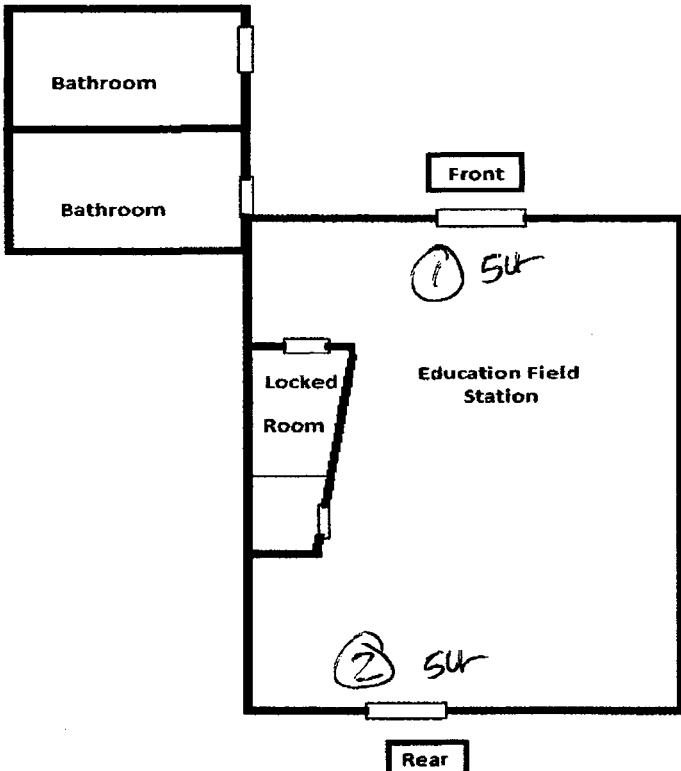
TC-99 B 11354




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R.P Tech (print): <u>Onilo Reyes</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>12-17-2013</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>19</u>	<u>180302</u>	<u>12/16/2014</u>			Survey # <u>1</u>	
<u>3030-E</u>	<u>217607</u>	<u>05/13/2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			Survey Pt #	$\alpha$	$\beta$	
			1	<u>1</u>	<u>39</u>	
			2	<u>0</u>	<u>42</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location						


Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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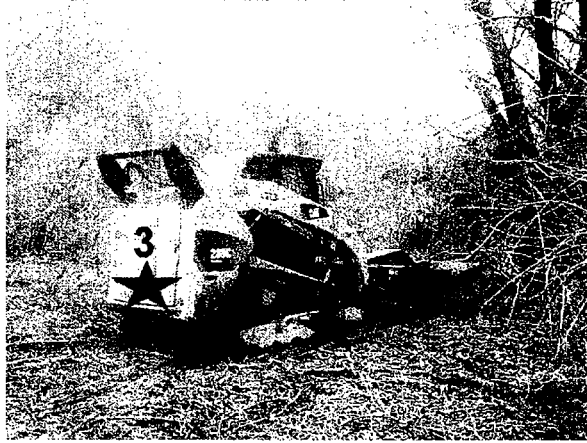

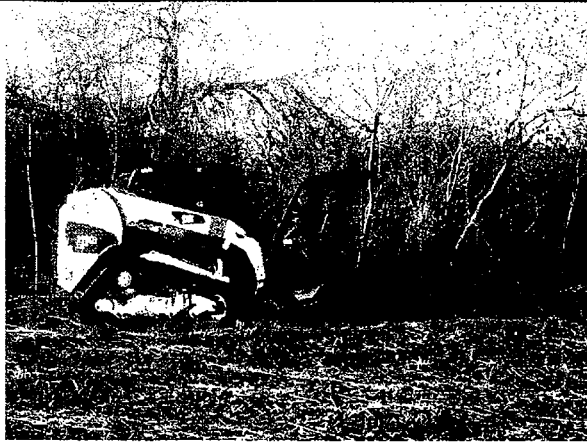
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 12/17/14	
Model	S/N	Cal. Due	Incoming Survey CAT 279		Time: 1035	
3	116960	12-16-14			Survey # 002	
44-9	120686	12-16-14			Air Sample # N/A	
19	34880	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
3030E	217607				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
43-10-1	229364		All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					$\beta$	
			1	0.00	0.15	
			2	0.00	-0.25	
			3	0.00	-0.61	
			4	0.00	0.10	
			5	0.03	-0.30	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
19						
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location						

Performed By:  Date: 12/17/14 Reviewed By:  Date: 12/17/14

 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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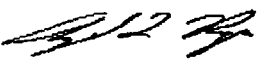

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**Form 010.1-2**


	
<b>Smear location 1</b>	<b>Smear locations 2 and 3</b>
	
<b>Smear location 4</b>	<b>Smear location 5</b>

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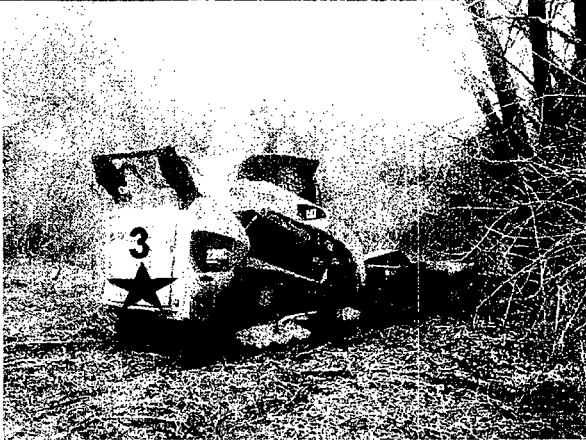


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**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
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R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 12/17/14		
Model	S/N	Cal. Due	Incoming Survey CAT 289		Time: 1035		
3	116960	12-16-14			Survey # 003		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
3030E	217607				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
43-10-1	229364		All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.03	-0.41
					2	0.05	-0.25
					3	0.00	-0.05
					4	0.00	-0.46
					5	0.00	-0.66
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location							


Performed By:  Date: 12/17/14 Reviewed By:  Date: 1/12/14

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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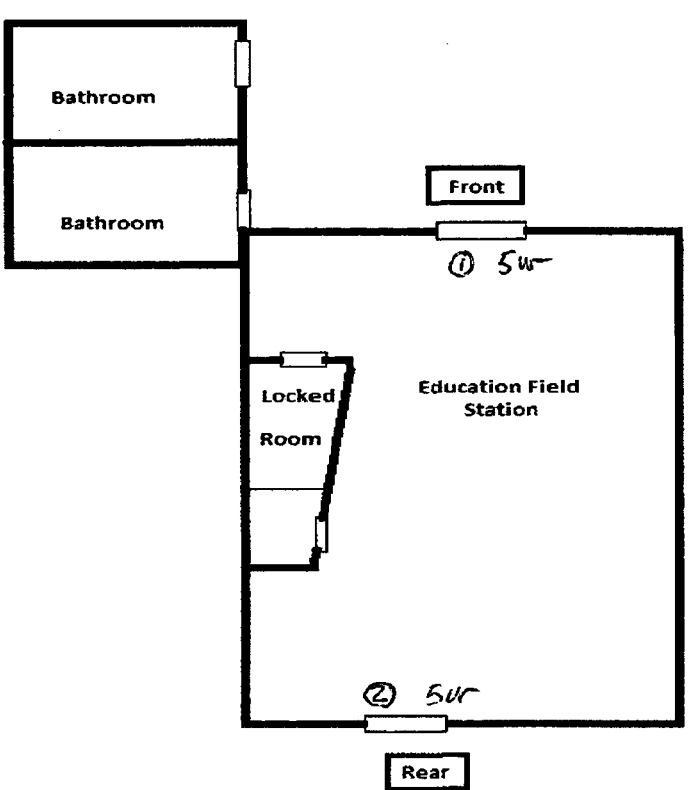
	
<b>Smear location 1</b>	<b>Smear locations 2 and 3</b>
	
<b>Smear location 4</b>	<b>Smear location 5</b>




 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-15-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0900</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>4</u>	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
					1	0
					2	i
					3	40
					4	37
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/15/14		
Model	S/N	Cal. Due	Incoming Survey CAT 259		Time: 1000		
3	116960	12-16-14			Survey # 005		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
3030E	217607	5-13-14			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
43-10-1	229364	NA	All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.00	0.10
					2	0.00	-0.25
					3	0.03	-0.05
					4	0.05	-0.46
					5	0.03	0.41
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							

Performed By:  Date: 12/17/14 Reviewed By:  Date: 1/12/14



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**Smear location 1**




**Smear locations 2 and 3**



**Smear location 4**

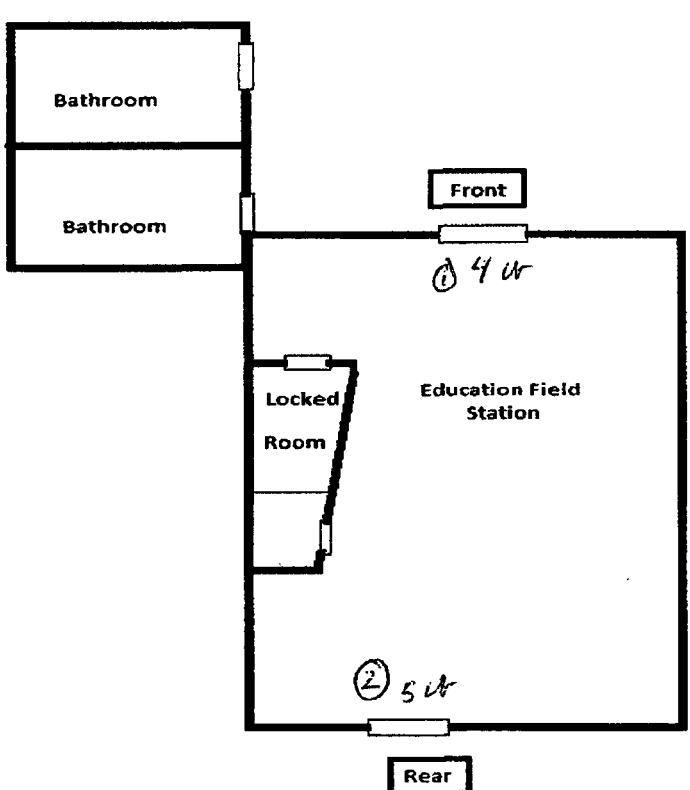


**Smear location 5**


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-20-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0730</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>6</u>	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
					Results: $\mu\text{Ci/cc } (\alpha)$	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	31
					2	39
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
					<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p>	


Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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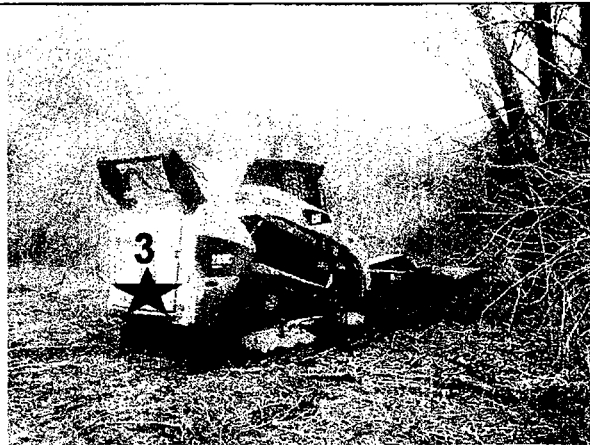

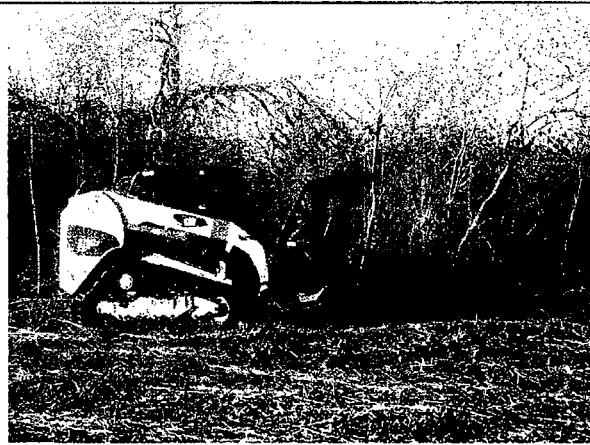
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
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R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/22/14		
Model	S/N	Cal. Due	Outgoing Survey CAT 259		Time: 1000		
3	116960	12-16-14			Survey # 007		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
3030E	217607	5-13-14			Results: $\mu\text{Ci/cc } (\alpha)$		
43-10-1	229364	NA	All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.00	-0.20
					2	0.05	-0.25
					3	0.00	-0.05
					4	0.00	-0.41
					5	0.00	0.15
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							

Performed By:  Date: 1/22/14 Reviewed By:  Date: 1/22/14

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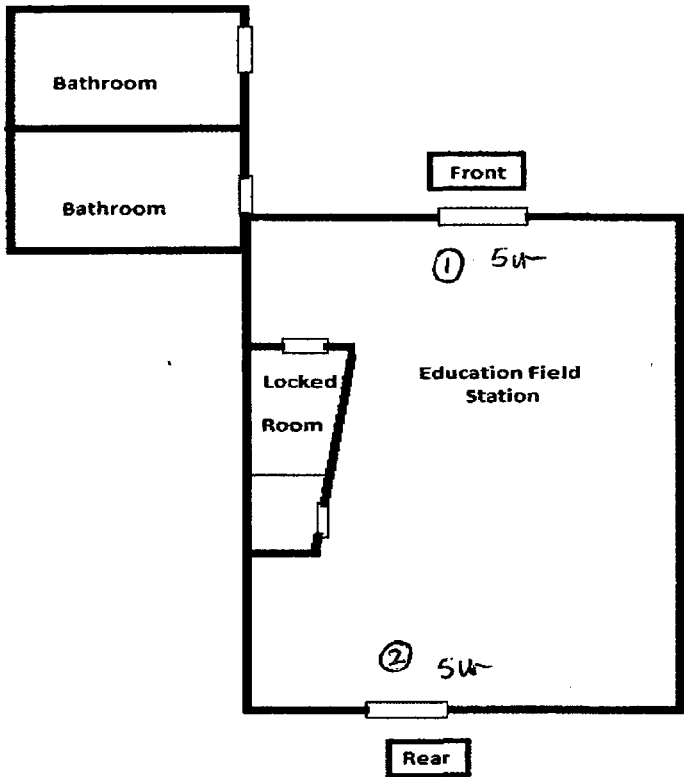
CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2    
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<b>Smear location 1</b>	<b>Smear locations 2 and 3</b>
	
<b>Smear location 4</b>	<b>Smear location 5</b>


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-27-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0815</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>8</u>	
<u>3030E</u>	<u>217807</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B.Y)	
					Results: $\mu\text{Ci/cc}$ (a)	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	0
					2	0
					3	34
					4	43
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
					<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F= foot level; O = Smear Location</p>	

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): Shane Reese			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/27/14		
Model	S/N	Cal. Due	Incoming Survey Excavator 316e		Time: 1035		
3	116960	12-16-14			Survey # 009		
44-9	120686	12-16-14			Air Sample # N/A		
19	34890	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
2030E	217607				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
43-10-1	229364		All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location							

Performed By:  Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_





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**Smear locations 1 and 5**




**Smear locations 2 and 3**



**Smear location 4**

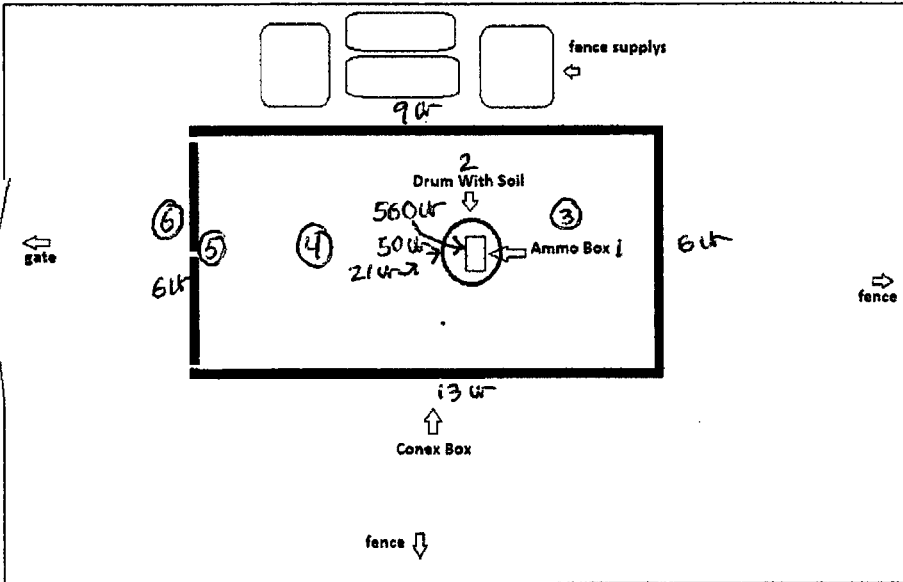


**Identifying number of the excavator**


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-31-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1140</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>016</u>	
					Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc (B,y)}$	
					Results: $\mu\text{Ci/cc (a)}$	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>37</u>
					<u>2</u>	<u>42</u>
					<u>3</u>	<u>39</u>
					<u>4</u>	<u>30</u>
					<u>5</u>	<u>41</u>
					<u>6</u>	<u>31</u>
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	
					<u>20</u>	
 <p> 1. Ammo Box  Contact 460 uR 1' 50 uR 3' 21 uR  3. Floor  5. Inside of Door  2. Drum  4. Floor  6. outside of Door </p> <p> Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location </p>						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

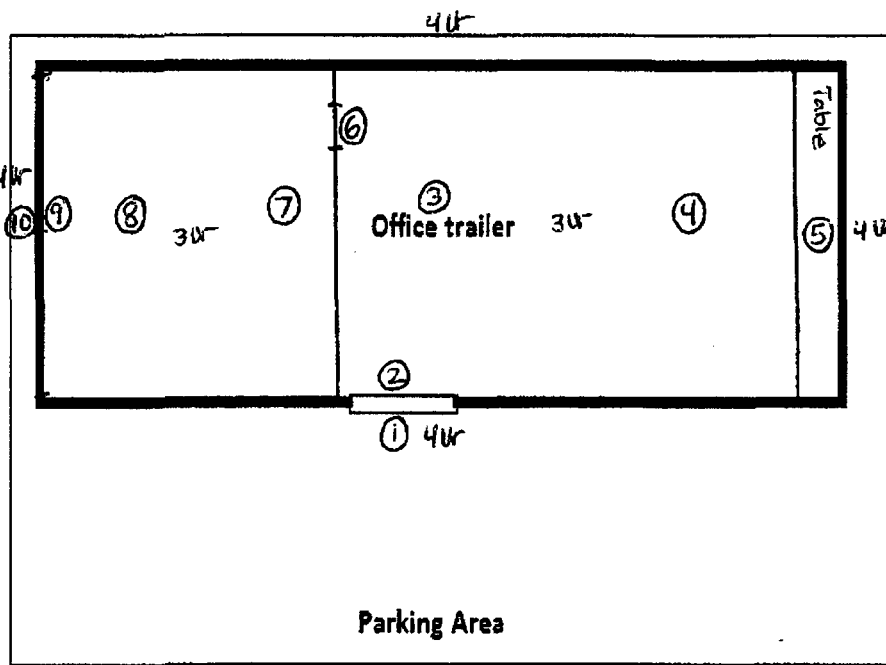
 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>Adolfo Matus</u>			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-31-14</u>	
Model	S/N	Cal. Due	Release Survey		Time: <u>1040</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>017</u>	
<u>3030E</u>	<u>217607</u>	<u>05-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
						$\beta$
					1	0 42
					2	0 37
					3	1 37
					4	0 39
					5	0 45
					6	0 39
					7	0 42
					8	0 35
					9	1 42
					10	1 36
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	



**Parking Area**

1. Front Door

2. Floor

3. Floor

4. Floor

5. Table

6. Door

7. Floor


8. Floor

9. Inside Door

10. Outside Door

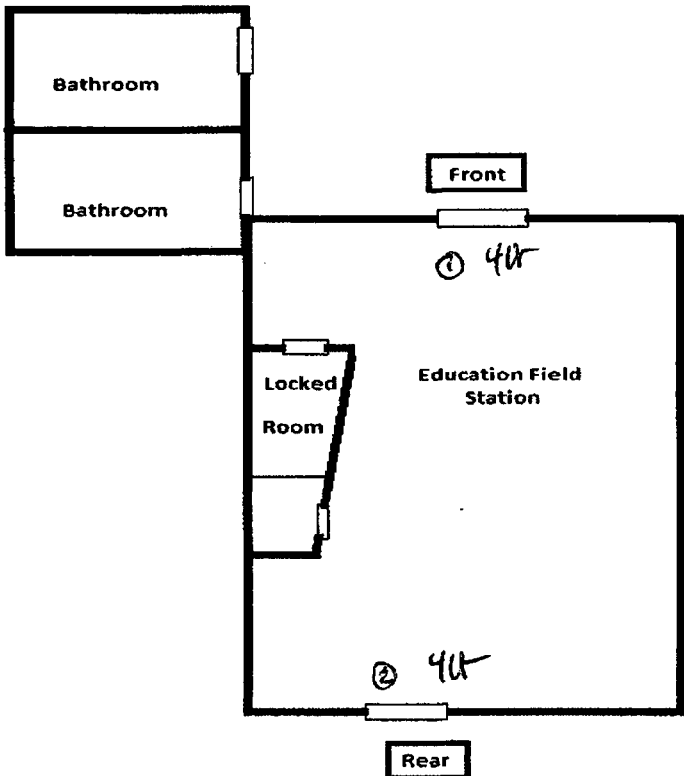
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-04-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0830</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>018</u>	
<u>3030E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,Y)	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ (a)	
			Survey Pt #	$\alpha$	$\beta$	
			1	<u>1</u>	<u>42</u>	
			2	<u>1</u>	<u>48</u>	
			3	<u>N/A</u>	<u>N/A</u>	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20	<u>X</u>	<u>X</u>				
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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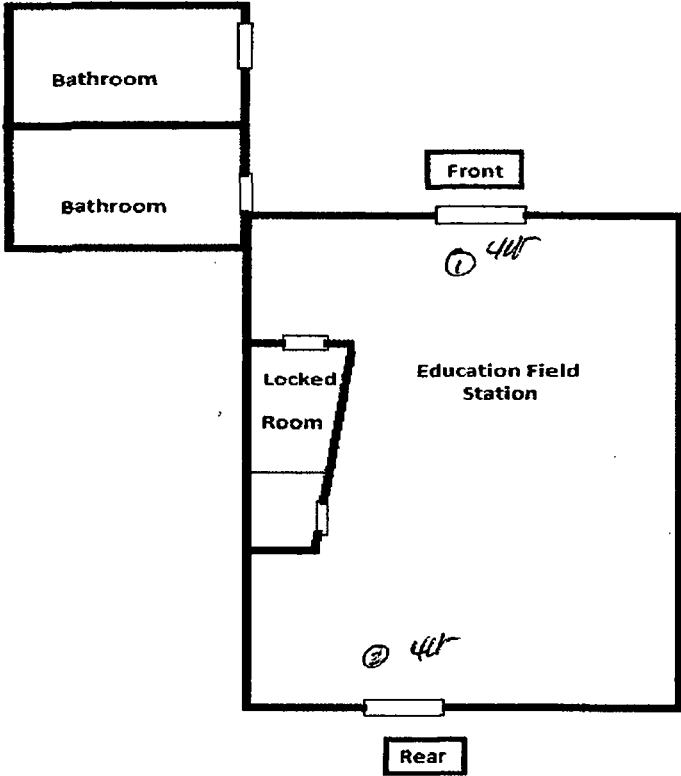
R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-11-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1000</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>019</u>	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: <u> </u> $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: <u> </u> $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	28
					2	37
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p>						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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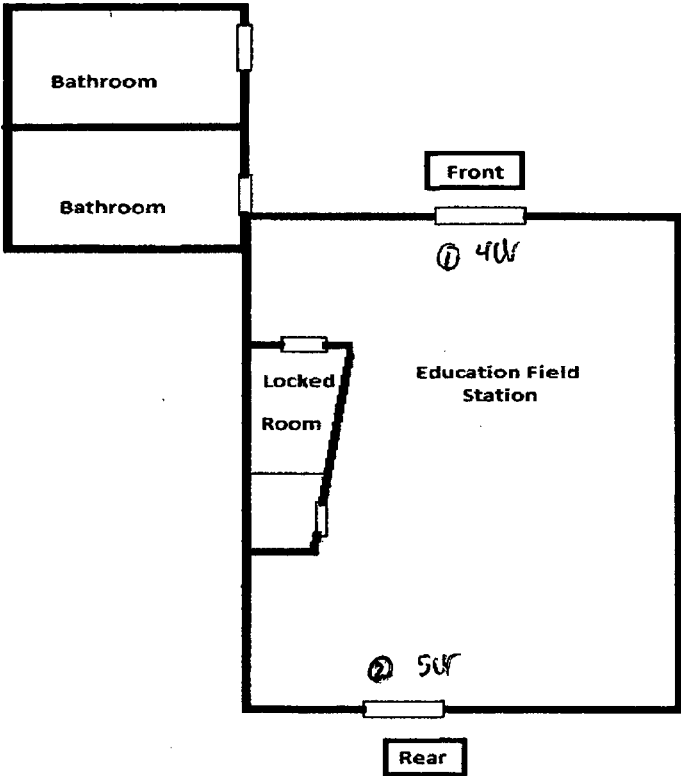
R.P Tech (print): <u>Adolf Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-18-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0921</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>020</u>	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
						$\beta$
					1	<u>1</u> <u>48</u>
					2	<u>0</u> <u>41</u>
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-25-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0717</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>021</u>	
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	33
					2	32
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

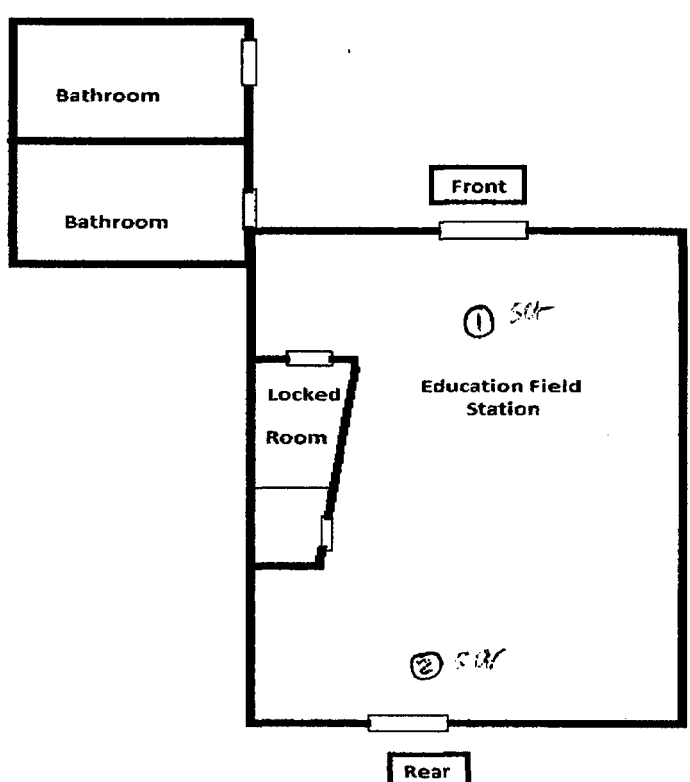
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R.P Tech (print): <u>Addo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-3-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>022</u>	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
					Survey Pt #	$\alpha$ $\beta$
					1	0      38
					2	0      35
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	


  



Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

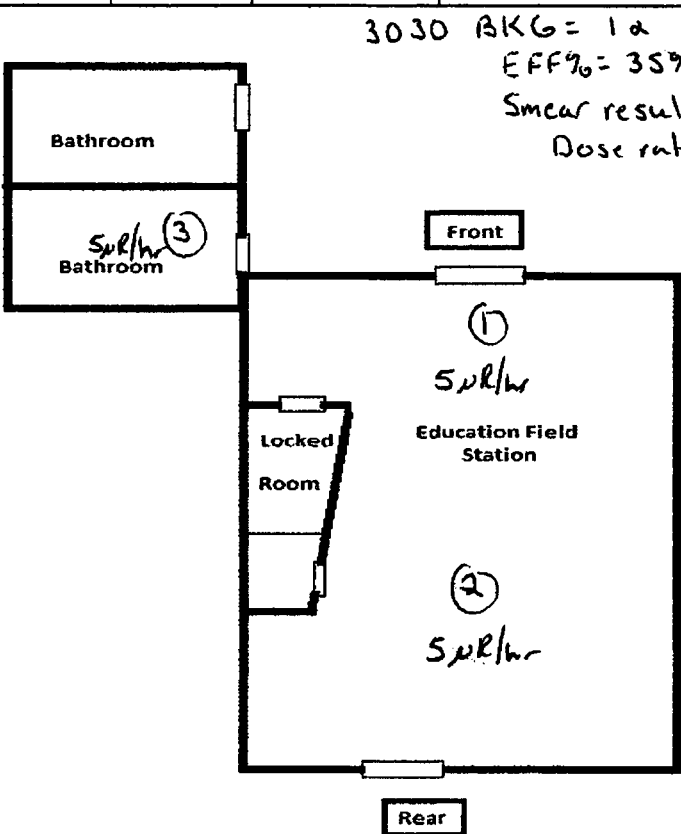
Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_



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R.P Tech (print): <u>Bennie Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-26-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1420</u>	
L 3030	176108	4-30-14			Survey #	
L 19	180302	12-16-14			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (B.y)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (a)}$	
 <p>3030 BKG = 1 a 30 B  EFF% = 35% a 23% B  Smear results = 5/100 cm<sup>2</sup>  Dose rates = uR/hr</p>			Survey Pt #	$\alpha$ dpm/100cm <sup>2</sup>	$\beta$ dpm/100cm <sup>2</sup>	
			1	0	0	
			2	2.9	30.4	
			3	0	13.0	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19	N/A	N/A	
20	N/A	N/A				

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: B. Cole Date: 3-26-14 Reviewed By:    Date: 3-26-14

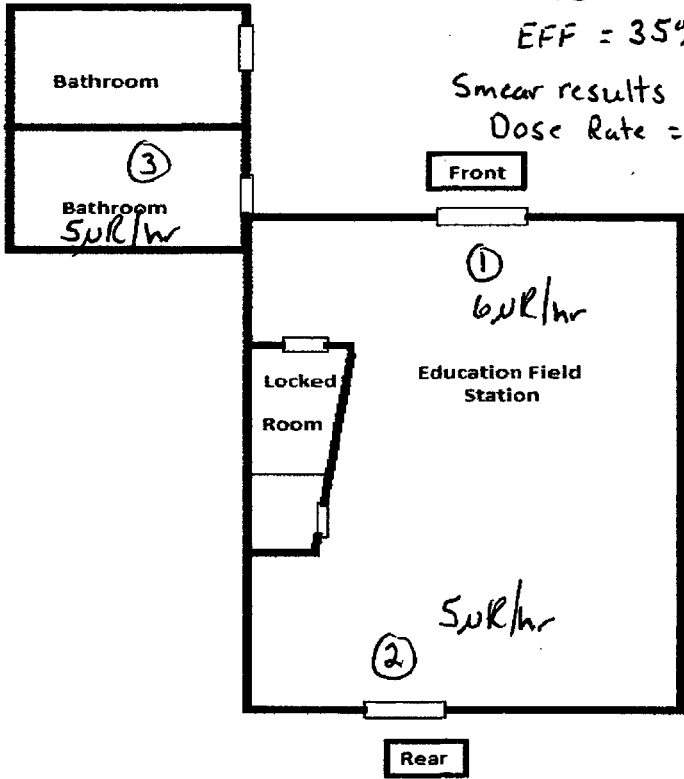
 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-21-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>					Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
					Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>0</u>
					<u>2</u>	<u>2.9</u>
					<u>3</u>	<u>0</u>
					<u>4</u>	<u>N/A</u>
					<u>5</u>	
					<u>6</u>	
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	<u>N/A</u>
					<u>20</u>	<u>N/A</u>



3030 BKG = 0 & 43 AS

EFF = 35% & 23% AS

Smear results = dpm/100cm<sup>2</sup>

Dose Rate = uR/hr


① 6 uR/hr

② 5 uR/hr

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

3-21-14

Performed By: B. Cole Date: 4/25/14 Reviewed By:      Date:

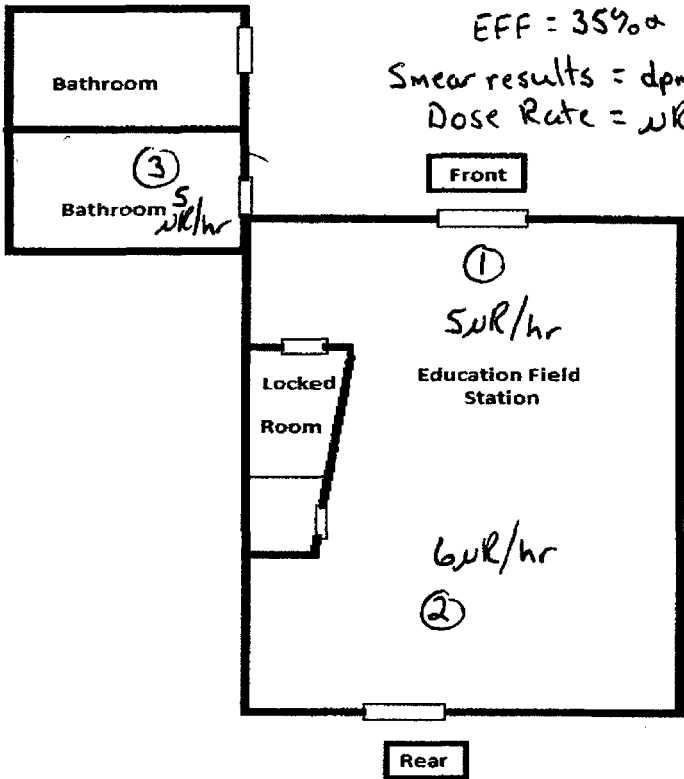
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. COLLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-12-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1300</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
<del> <div style="display: flex; justify-content: space-between;"> <span>N</span> <span>A</span> </div> </del>					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$ $\beta$
					1	0      -34.8
					2	0      -13.0
					3	0      4.3
					4	N/A      N/A
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	↓
					20	N/A      N/A



3030 BKG = 0  $\alpha$  37  $\beta$  r  
EFF = 35%  $\alpha$  23%  $\beta$  r  
Smear results = dpm / 100 cm<sup>2</sup>  
Dose Rate = uR/hr

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F= foot level; O = Smear Location

3-12-14  
 Performed By: B. COLLE Date: 4/25/14 Reviewed By:      Date:

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R.P Tech (print): <u>B. COLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-4-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1500</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-6-14</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$ $\beta$
					1	0      -26.1
					2	0      21.7
					3	0      -4.3
					4	N/A      N/A
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	N/A      N/A

3030 BKG =  $0\alpha$   $39\beta\gamma$   
 EFF = 35%  $239\beta\gamma$   
 Smear results =  $\text{dpm}/100\text{cm}^2$   
 Dose Rate =  $\mu\text{R/hr}$

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
 H = Head Level; F = foot level; O = Smear Location

4-4-14  
 Performed By: B. COLE Date: 4/25/14 Reviewed By:     Date:



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R.P Tech (print): <u>B. COLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-11-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
L3030	176108	4-30-14			Survey #	
L19	180302	12-6-14			Air Sample # <u>N/A</u>	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
N/A	N/A	N/A	All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					1	0
					2	0
					3	0
					4	0
					5	N/A
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	N/A

L3030 BKG = 0.40  $\beta, \gamma$   
EFF = 35%  $\alpha$  23%  $\beta, \gamma$   
Smear Results = dpm/100cm<sup>2</sup>  
Dose Rate =  $\mu\text{R/hr}$


**Education Field Station**

Rooms: Bathroom, Locked Room, Source Box, Coffee Table.

Survey Points: ①  $\text{SUR/hr}$ , ②  $\text{SUR/hr}$ , ③  $\text{SUR/hr}$ , ④  $\text{SUR/hr}$ .

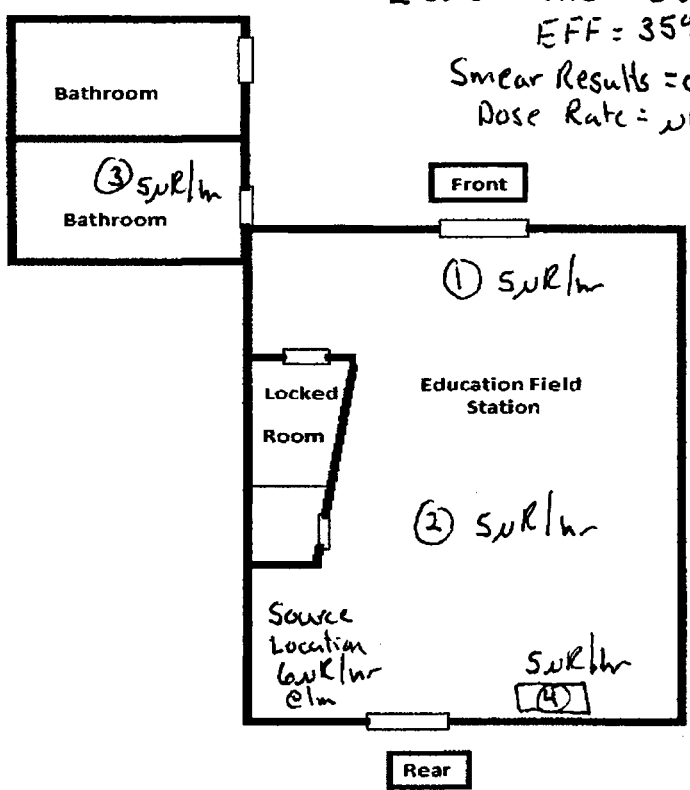
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
 H = Head Level; F = foot level; O = Smear Location

Performed By: B. COLE Date: 4-11-14 Reviewed By:      Date:

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R.P Tech (print):			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: 4-17-14		
Model	S/N	Cal. Due	Weekly Survey	Time: 1500		
L3030	176108	4-30-14		Survey #		
L19	18030	12-16-14		Air Sample # N/A		
N/A	N/A	N/A		Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
N/A	N/A	N/A		Results: $\mu\text{Ci/cc } (\alpha)$		
N/A	N/A	N/A	All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
 <p align="center"> L3030 BKG = 0 <math>\alpha</math> 42 B<sup>-8</sup>  EFF = 35% <math>\alpha</math> 23% B<sup>-8</sup>  Smear Results = dpm/100 cm<sup>2</sup>  Dose Rate = uR/hr </p>				1	0	-13.04
				2	0	0
				3	0	4.3
				4	0	-13.04
				5	N/A	N/A
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20	N/A	N/A

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

4-17-14  
Performed By: B. Cole Date: 4/25/14 Reviewed By:      Date:

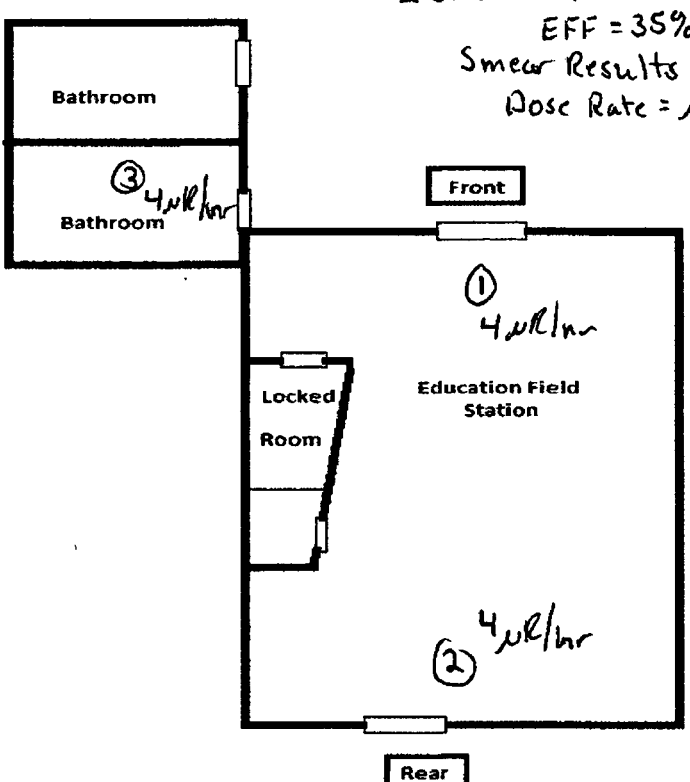
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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-24-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
<u>L3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>Bicron</u>	<u>1299</u>	<u>1-23-15</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>2.9</u>
					<u>2</u>	<u>0</u>
					<u>3</u>	<u>2.9</u>
					<u>4</u>	<u>N/A</u>
					<u>5</u>	
					<u>6</u>	
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	
					<u>20</u>	<u>N/A</u>


L3030 BKG = 0.2 41 B-8  
EFF = 35%  $\alpha$  23%  $\beta$   
Smear Results = dpm/100cm<sup>2</sup>  
Dose Rate =  $\mu\text{R/hr}$



1 4  $\mu\text{R/hr}$   
2 4  $\mu\text{R/hr}$   
3 4  $\mu\text{R/hr}$   
4 4  $\mu\text{R/hr}$   
5 4  $\mu\text{R/hr}$   
6 4  $\mu\text{R/hr}$   
7 4  $\mu\text{R/hr}$   
8 4  $\mu\text{R/hr}$   
9 4  $\mu\text{R/hr}$   
10 4  $\mu\text{R/hr}$   
11 4  $\mu\text{R/hr}$   
12 4  $\mu\text{R/hr}$   
13 4  $\mu\text{R/hr}$   
14 4  $\mu\text{R/hr}$   
15 4  $\mu\text{R/hr}$   
16 4  $\mu\text{R/hr}$   
17 4  $\mu\text{R/hr}$   
18 4  $\mu\text{R/hr}$   
19 4  $\mu\text{R/hr}$   
20 4  $\mu\text{R/hr}$

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

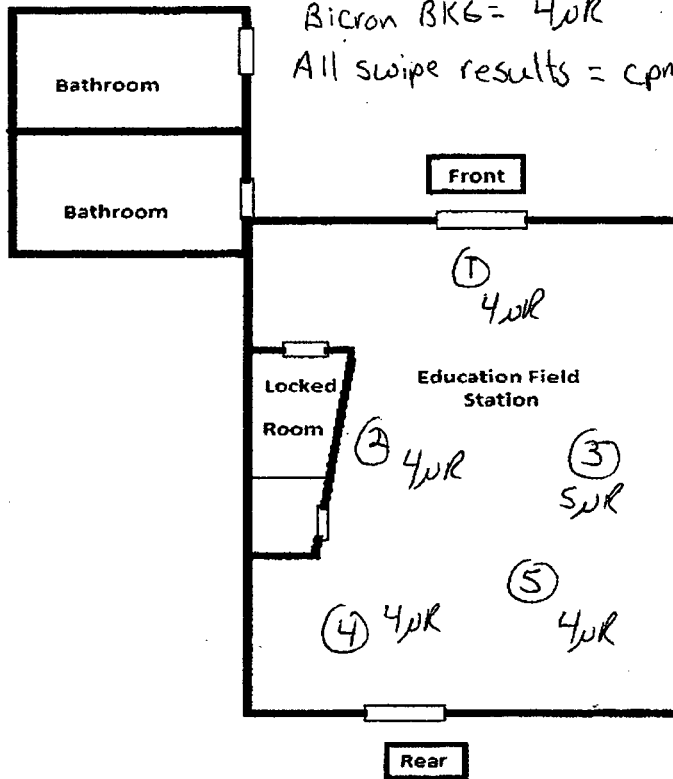
4-24-14  
 Performed By: B. Cole Date: 4/25/14 Reviewed By:      Date:

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R.P Tech (print):			Location: Education Center (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 6-18-14		
Model	S/N	Cal. Due	Weekly Survey		Time: 0800		
2929	137620	6-4-15			Survey #		
43-10-1	203054	6-4-15			Air Sample # N/A		
Bicron	1299				Results: $\mu\text{Ci/cc (B,y)}$		
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (a)}$		
					Survey Pt #	$\alpha$	$\beta$
					1	0	50
					2	0	55
					3	0	48
					4	0	49
					5	0	58
					6	N/A	N/A
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20	N/A	N/A
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  H = Head Level; F = foot level; O = Smear Location</p>							



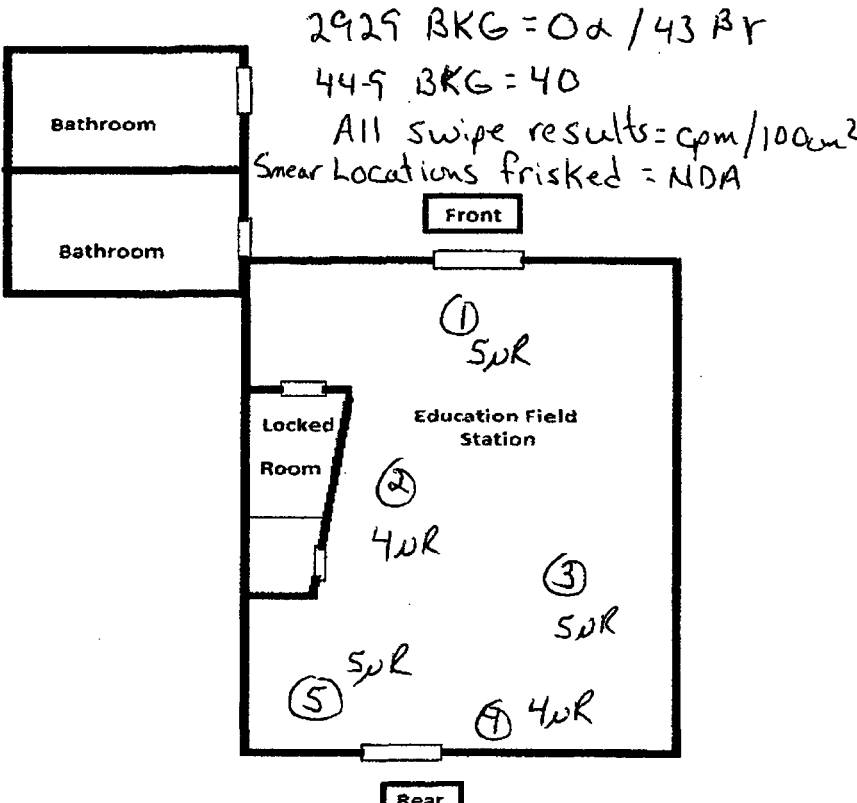
Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_




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R.P Tech (print):			Location: Education Center (GKP)	RWP #: N/A		
Instruments Used			Comments or Purpose of Survey	Date: <u>6-30-14</u>		
Model	S/N	Cal. Due	Weekly Survey Floor	Time: <u>1700</u>		
<u>2929</u>	<u>137620</u>	<u>6-4-15</u>		Survey #		
<u>43-10-1</u>	<u>203054</u>	<u>6-4-15</u>		Air Sample # <u>N/A</u>		
<u>12</u>	<u>229277</u>	<u>2-21-15</u>		Results: $\mu\text{Ci/cc (B,Y)}$		
<u>44-9</u>	<u>125462</u>	<u>2-21-15</u>		Results: $\mu\text{Ci/cc (a)}$		
<u>Bicron</u>	<u>1299</u>		All dose rates in mR/hr unless otherwise noted.	Survey Pt #	$\alpha$	$\beta$
				1	<u>0</u>	<u>46</u>
				2	<u>0</u>	<u>41</u>
				3	<u>2</u>	<u>48</u>
				4	<u>0</u>	<u>53</u>
				5	<u>0</u>	<u>50</u>
				6	<u>N/A</u>	<u>N/A</u>
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19	<u>N/A</u>	<u>N/A</u>
				20	<u>N/A</u>	<u>N/A</u>
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						


Performed By: B. C. Cox Date: 1/25/14 Reviewed By:      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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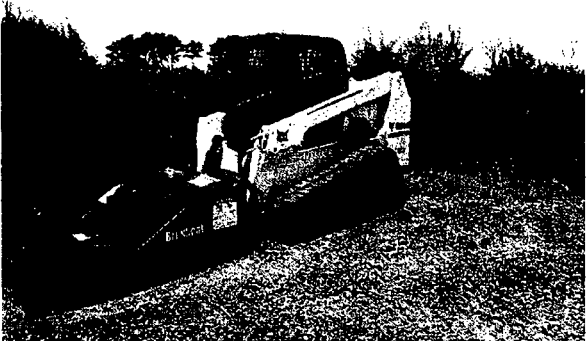
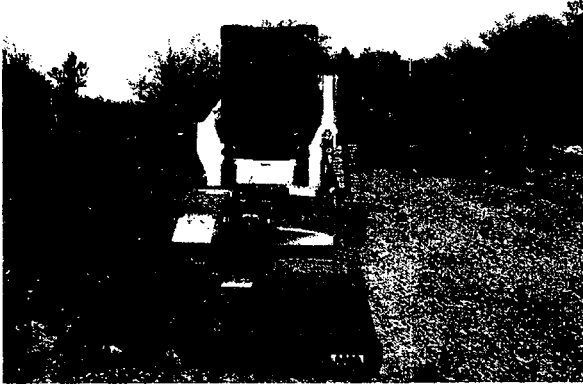
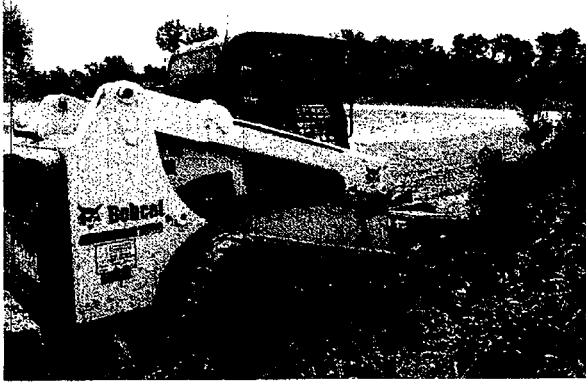
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014	
Model	S/N	Cal. Due	Outgoing Survey BobCat		Time: 1600	
12	229277	2-21-15			Survey #	
44-9	125462	2-21-15			Air Sample # N/A	
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$	
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
<p>BobCat SN# 1010180 frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF= %<math>\alpha</math> / %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF= %<math>\beta\gamma</math></p> <p>Smear locations</p> <ol style="list-style-type: none"> <li>1. Blade</li> <li>2. Blade</li> <li>3. Large Roller</li> <li>4. Under deck</li> <li>5. Under deck</li> <li>6. Left track</li> <li>7. Right track</li> <li>8. Body</li> <li>9. Undercarriage</li> <li>10. Floorboard</li> </ol>			1	1	52	
			2	0	45	
			3	0	42	
			4	0	53	
			5	0	55	
			6	0	53	
			7	0	46	
			8	0	48	
			9	0	45	
			10	1	50	
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>						

Performed By: B.Cole      Date: 6/30/14      Reviewed By      Date:

	<b>Radiation Safety</b> <b>Radiation and</b> <b>Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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**CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2**  
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	<p align="center">N/A</p>

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**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
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R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014	
Model	S/N	Cal. Due	Outgoing Survey Excavator		Time: 1430	
12	229277	2-21-15			Survey #	
44-9	125462	2-21-15			Air Sample # N/A	
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$	
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
<p>TAKEUCHI SN#1223821 excavator frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF= %<math>\alpha</math> / %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF= %<math>\beta\gamma</math></p> <p>Smear locations</p> <p>1.left track</p> <p>2.right track</p> <p>3.outside of bucket</p> <p>4.inside of bucket</p> <p>5.floor board</p>			1	1	46	
			2	1	41	
			3	0	58	
			4	1	36	
			5	0	44	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>						

Performed By: B.Cole      Date: 6/30/14      Reviewed By:      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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**CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2**  
**Form 010.1-2**


	
	<p align="center">N/A</p>

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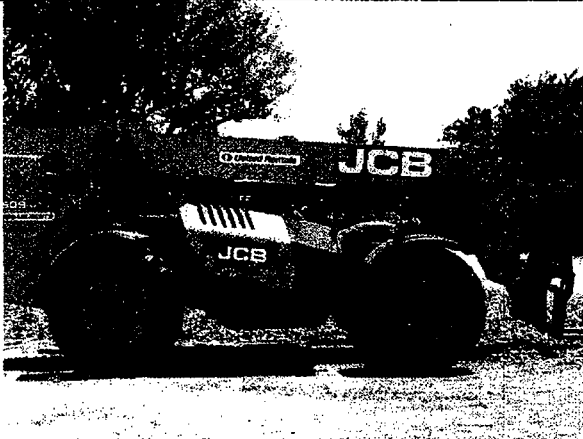
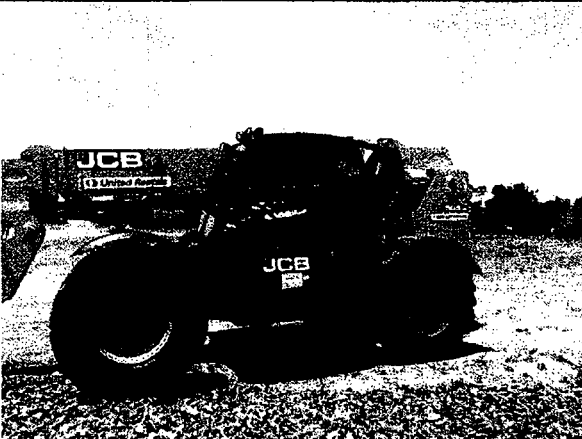
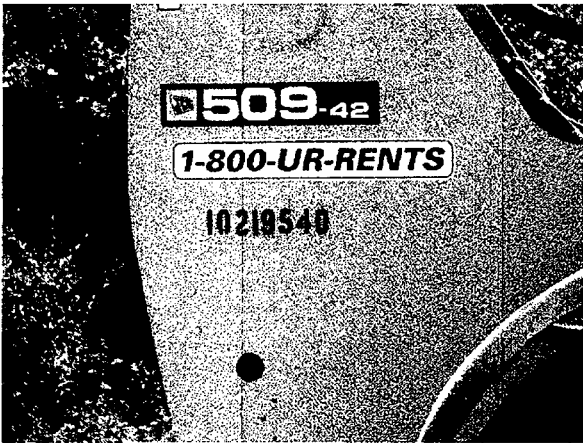
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 6/30/2014	
Model	S/N	Cal. Due	Outgoing Survey JCB Fork Lift		Time: 1400	
12	229277	2-21-15			Survey #	
44-9	125462	2-21-15			Air Sample # N/A	
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$	
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$ $\beta$
<p>JCB 509-42 SN #10219540 fork lift frisked using Ludlum model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 43<math>\beta</math> (cpm) EFF=    %<math>\alpha</math> /    %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF=    %<math>\beta\gamma</math></p> <p>Smear locations</p> <ol style="list-style-type: none"> <li>1.left fork</li> <li>2.right fork</li> <li>3.right front tire</li> <li>4.right rear tire</li> <li>5.left rear tire</li> <li>6.left front tire</li> <li>7.cab floor</li> <li>8.dash board</li> <li>9.controls</li> <li>10.str/wheel</li> </ol>			1	0	41	
			2	0	43	
			3	0	54	
			4	0	51	
			5	0	47	
			6	1	51	
			7	1	45	
			8	0	48	
			9	0	56	
			10	0	51	
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F= foot level; O = Smear Location</p>						

Performed By: B.Cole      Date: 6/30/14      Reviewed By:      Date:

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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	<p align="center">N/A</p>


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**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
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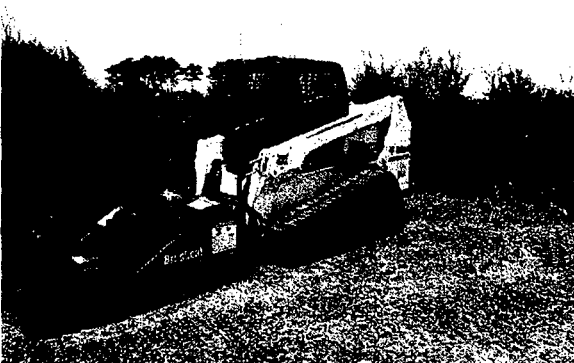

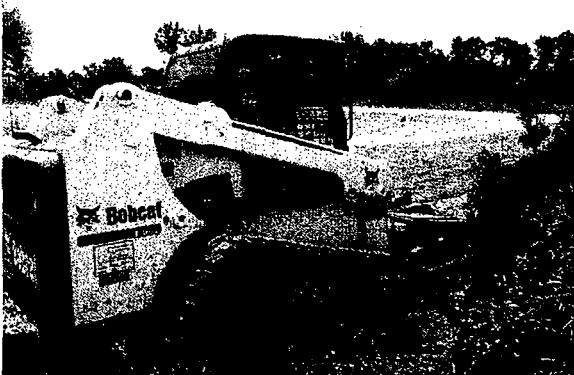
R.P Tech (print): Bennie Cole			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 6/18/2014	
Model	S/N	Cal. Due	Incoming Survey BobCat		Time: 1400	
12	229277	2-21-15			Survey #	
44-9	125462	2-21-15			Air Sample # N/A	
2929	137620	6-4-15			Results: $\mu\text{Ci/cc } (\beta, \gamma)$	
43-10-1	203054	6-4-14			Results: $\mu\text{Ci/cc } (\alpha)$	
			All swipe results cpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
<p>BobCat SN# 1010180 frisked using Ludium model 12 with a 44-9 detector</p> <p>All results were background levels 60 – 80cpm.</p> <p>2929 BKG= 0<math>\alpha</math> / 48<math>\beta</math> (cpm) EFF= %<math>\alpha</math> / %<math>\beta</math></p> <p>44-9 BKG=40-80<math>\beta\gamma</math> (cpm) EFF= %<math>\beta\gamma</math></p> <p>Smear locations</p> <p>1.Tracks</p> <p>2.Steps</p> <p>3.Handel</p> <p>4.Floor</p> <p>5.Controls</p>			1	0	37	
			2	0	37	
			3	0	56	
			4	0	49	
			5	0	51	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
<p>Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000</p> <p>x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;</p> <p>H = Head Level; F = foot level; O = Smear Location</p>						

Performed By: B.Cole      Date: 6/30/14 Reviewed By      Date:



	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> 11-14-2011	<b>RS-010.1</b>
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**CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2**  
**Form 010.1-2**

	
	<p align="center">N/A</p>

259 IN  
 1. 0 47  
 2. 0 40  
 3. 1 44  
 4. 2 36  
 5. 1 53

259 OUT  
 1. 0 41  
 2. 2 40  
 3. 6 44  
 4. 6 37  
 5. 0 48

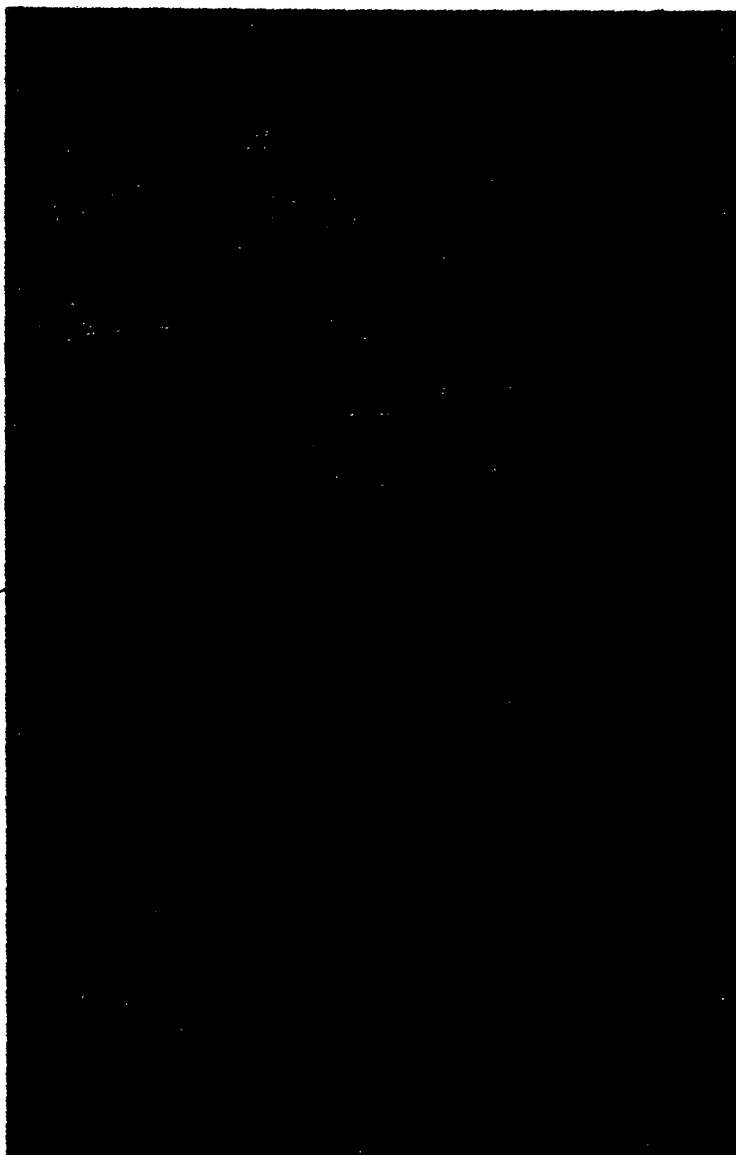
~~316~~ IN  
 1. 0 33  
 2. 0 40  
 3. 1 42  
 4. 0 36  
 5. 0 32


~~2~~  
 1. 0 36  
 2. 0 44  
 3. 0 34  
 4. 0 53  
 5. 0 50  
 6. 0 38  
 7. 0 46

1 min 3030  
 BK 0 36  
 01/28/14

TH-230 13661

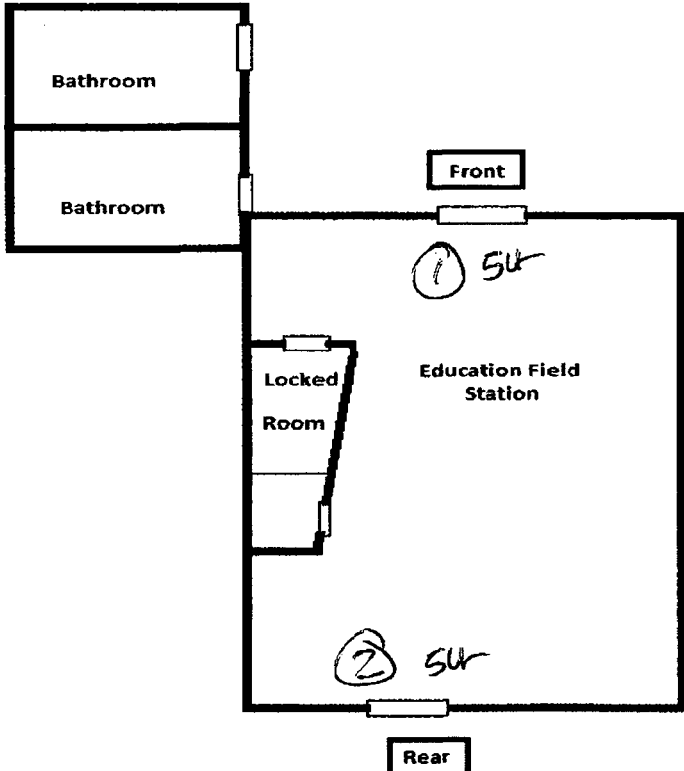
TC-99 11354




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**RADIATION PROTECTION SURVEY FORM**  
**Form 010.1-1**

Sheet 1 of 1

R.P Tech (print): <u>Chico Reyes</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>12-17-2013</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>19</u>	<u>180302</u>	<u>12/16/2014</u>			Survey # <u>1</u>	
<u>3030-E</u>	<u>217607</u>	<u>05/13/2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,y)	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ (a)	
					Survey Pt #	$\alpha$
						$\beta$
					1	<u>1</u> <u>39</u>
					2	<u>0</u> <u>42</u>
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**

R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 12/17/14	
Model	S/N	Cal. Due	Incoming Survey CAT 279		Time: 1035	
3	116960	12-16-14			Survey # 002	
44-9	120686	12-16-14			Air Sample # N/A	
19	34880	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
3030E	217607				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
43-10-1	229364		All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					$\beta$	
			1	0.00	0.15	
			2	0.00	-0.25	
			3	0.00	-0.61	
			4	0.00	0.10	
			5	0.03	-0.30	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location						

Performed By:  Date: 12/17/14 Reviewed By:  Date: 12/17/14



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Form 010.1-2**



**Smear location 1**




**Smear locations 2 and 3**



**Smear location 4**

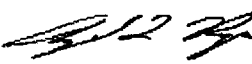




**Smear location 5**

 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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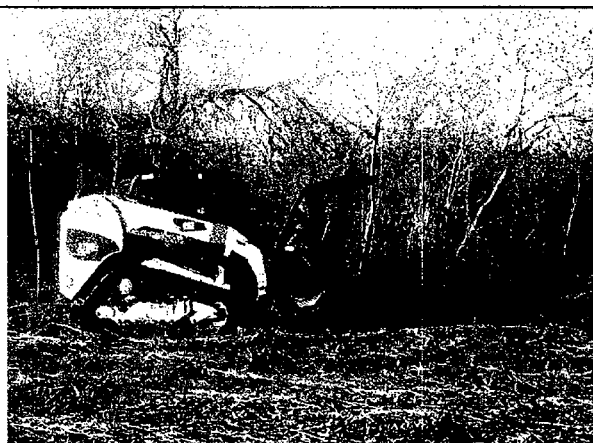
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 12/17/14		
Model	S/N	Cal. Due	Incoming Survey CAT 289		Time: 1035		
3	116960	12-16-14			Survey # 003		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )		
3030E	217607				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )		
43-10-1	229364		All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.03	-0.41
					2	0.05	-0.25
					3	0.00	-0.05
					4	0.00	-0.46
					5	0.00	-0.66
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							

Performed By:  Date: 12/17/14 Reviewed By:  Date: 1/12/14

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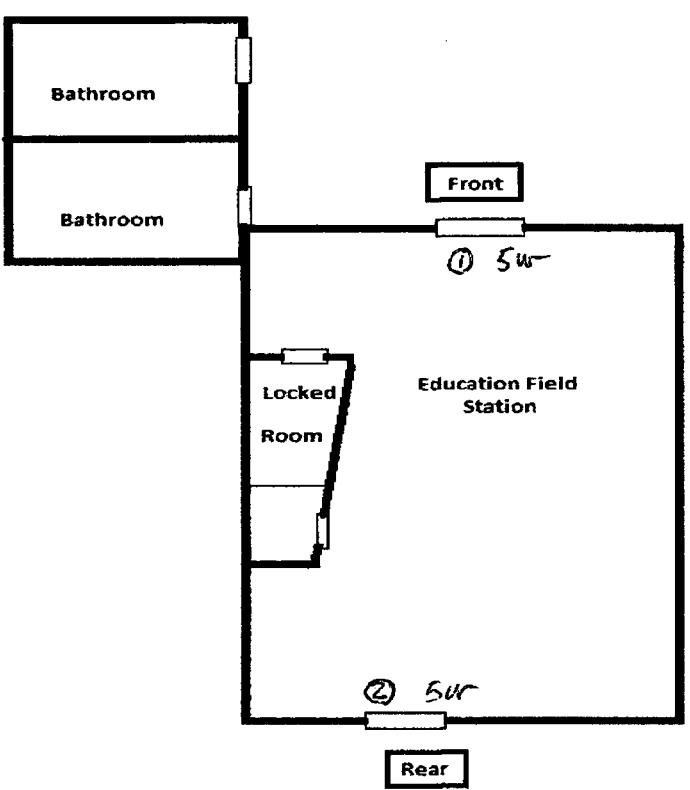
CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2    
Form 010.1-2

	
Smear location 1	Smear locations 2 and 3
	
Smear location 4	Smear location 5

 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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**RADIATION PROTECTION SURVEY FORM**  
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Sheet 1 of 1

R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-15-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0900</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>4</u>	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
						$\beta$
					<u>1</u>	<u>0</u>
					<u>2</u>	<u>37</u>
					<u>3</u>	
					<u>4</u>	
					<u>5</u>	
					<u>6</u>	
					<u>7</u>	
					<u>8</u>	
					<u>9</u>	
					<u>10</u>	
					<u>11</u>	
					<u>12</u>	
					<u>13</u>	
					<u>14</u>	
					<u>15</u>	
					<u>16</u>	
					<u>17</u>	
					<u>18</u>	
					<u>19</u>	
					<u>20</u>	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_



	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**

R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/15/14		
Model	S/N	Cal. Due	Incoming Survey CAT 259		Time: 1000		
3	116960	12-16-14			Survey # 005		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$		
3030E	217607	5-13-14			Results: $\mu\text{Ci/cc (}\alpha\text{)}$		
43-10-1	229364	NA	All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.00	0.10
					2	0.00	-0.25
					3	0.03	-0.05
					4	0.05	-0.46
					5	0.03	0.41
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							

Performed By:  Date: 12/17/14 Reviewed By:  Date: 1/12/14



**TIDEWATER** INC

**Radiation Safety  
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Form 010.1-2**



**Smear location 1**




**Smear locations 2 and 3**



**Smear location 4**

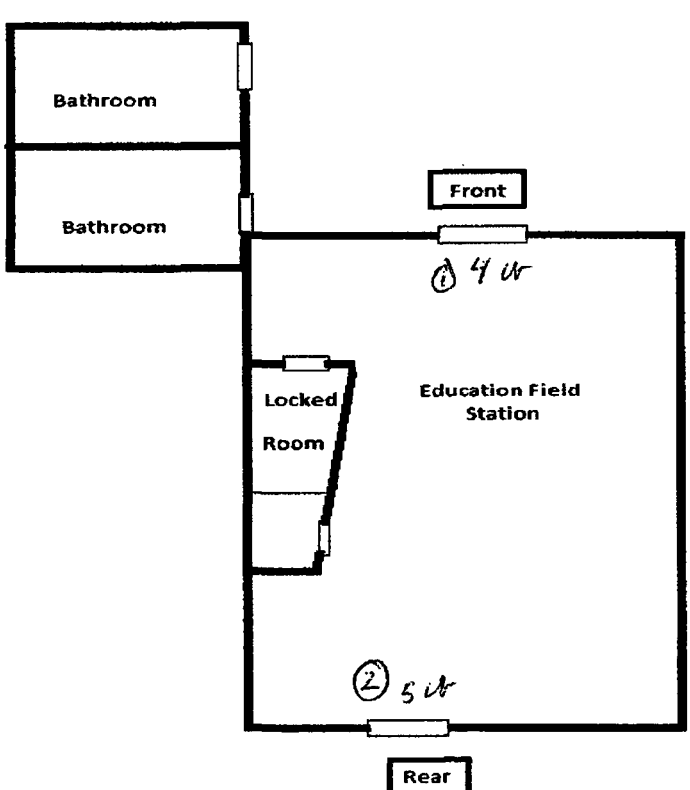


**Smear location 5**


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**RADIATION PROTECTION SURVEY FORM**  
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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-20-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0730</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>6</u>	
<u>3030 E</u>	<u>27607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	31
					2	39
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
					Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location	


Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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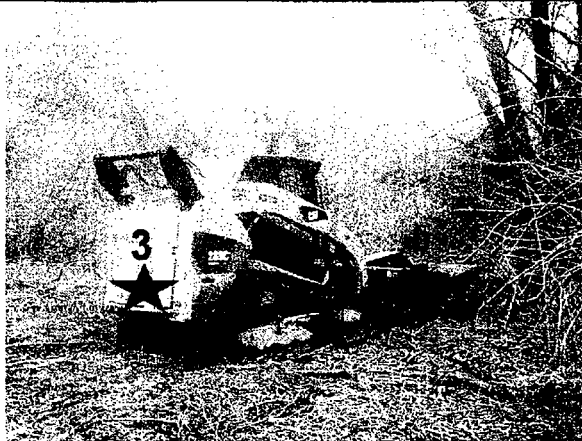

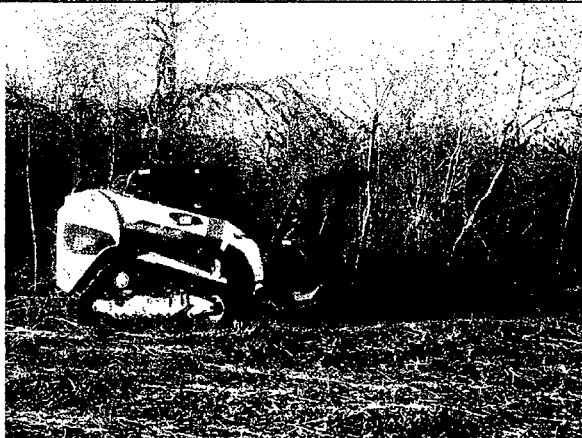
**APPENDIX C**  
**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 2  
**Form 010.1-1**


R.P Tech (print): Chico Reyes			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/22/14		
Model	S/N	Cal. Due	Outgoing Survey CAT 259		Time: 1000		
3	116960	12-16-14			Survey # 007		
44-9	120686	12-16-14			Air Sample # N/A		
19	34880	3-7-14			Results: $\mu\text{Ci/cc } (\beta, \gamma)$		
3030E	217607	5-13-14			Results: $\mu\text{Ci/cc } (\alpha)$		
43-10-1	229364	NA	All swipe results dpm/100cm <sup>2</sup>		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1	0.00	-0.20
					2	0.05	-0.25
					3	0.00	-0.05
					4	0.00	-0.41
					5	0.00	0.15
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							

Performed By:  Date: 1/22/14 Reviewed By:  Date: 1/22/14

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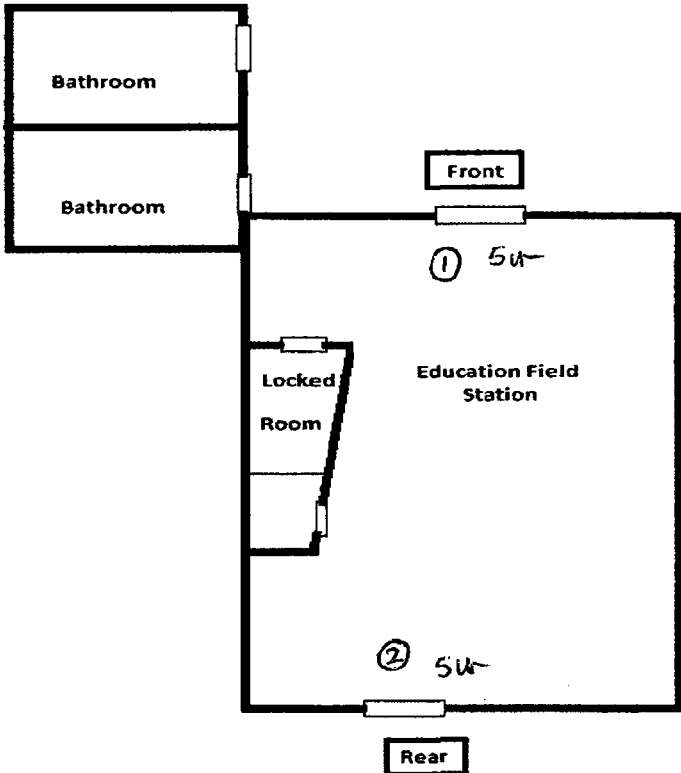
**CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2**  
**Form 010.1-2**

	
<b>Smear location 1</b>	<b>Smear locations 2 and 3</b>
	
<b>Smear location 4</b>	<b>Smear location 5</b>


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-27-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0815</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>8</u>	
<u>3030E</u>	<u>217807</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,y)	
					Results: $\mu\text{Ci/cc}$ (a)	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	34
					2	43
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						


Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): Shane Reese			Location: Staging Area (GKP)		RWP #: N/A		
Instruments Used			Comments or Purpose of Survey		Date: 1/27/14		
Model	S/N	Cal. Due	Incoming Survey Excavator 316e		Time: 1035		
3	116960	12-16-14			Survey # 009		
44-9	120686	12-16-14			Air Sample # N/A		
19	34890	3-7-14			Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$		
2030E	217607				Results: $\mu\text{Ci/cc (}\alpha\text{)}$		
43-10-1	229364		All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$	$\beta$
Cat excavator 316e frisked using Ludlum model 3 with a 44-9 detector S/N: (116960 / PR120686). All results were background levels 60 – 80cpm.					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F= foot level; O = Smear Location							


Performed By:  Date: 1/25/14 Reviewed By: \_\_\_ Date: \_\_\_

	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	<b>Issue Date</b> <b>11-14-2011</b>	<b>RS-010.1</b>
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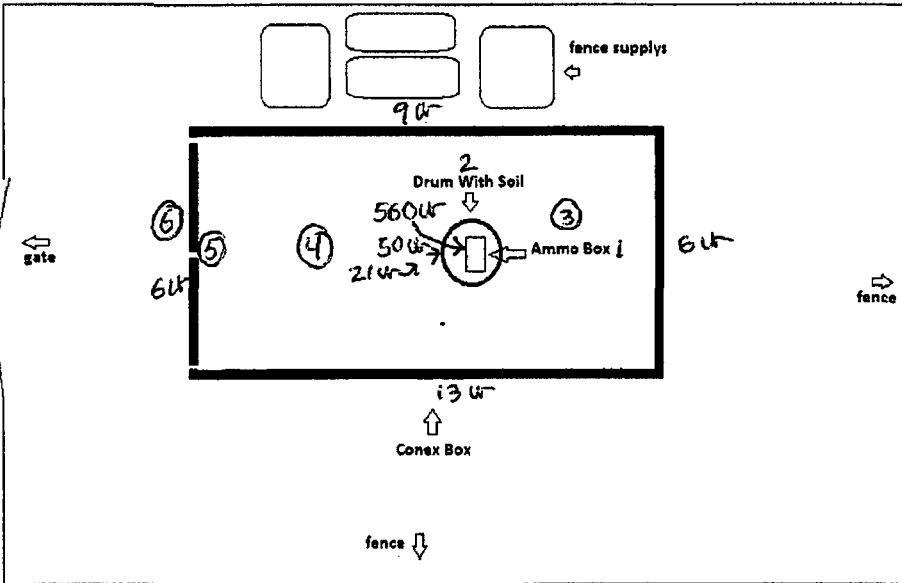
**CONTINUATION RADIATION PROTECTION SURVEY FORM Sheet   2   of   2**  
**Form 010.1-2**

	
<b>Smear locations 1 and 5</b>	<b>Smear locations 2 and 3</b>
	
<b>Smear location 4</b>	<b>Identifying number of the excavator</b>




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**RADIATION PROTECTION SURVEY FORM**      Sheet 1 of 1  
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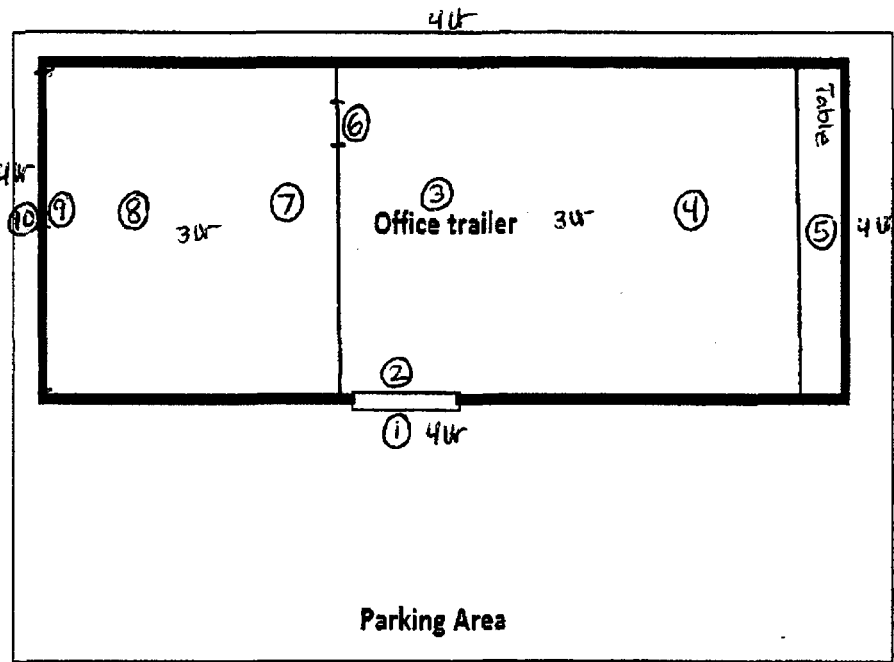
R.P Tech (print): <u>Adolfo Matus</u>			Location: Staging Area (GKP)	RWP #: N/A																																																															
Instruments Used			Comments or Purpose of Survey	Date: <u>01-31-14</u>																																																															
Model	S/N	Cal. Due	Weekly Survey	Time: <u>1140</u>																																																															
<u>19</u>	<u>180302</u>	<u>12-16-14</u>		Survey # <u>016</u>																																																															
				Air Sample # <u>N/A</u>																																																															
				Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )																																																															
				Results: $\mu\text{Ci/cc}$ ( $\alpha$ )																																																															
			All dose rates in mR/hr unless otherwise noted.	<table border="1"> <thead> <tr> <th>Survey Pt #</th> <th><math>\alpha</math></th> <th><math>\beta</math></th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>37</td></tr> <tr><td>2</td><td>0</td><td>42</td></tr> <tr><td>3</td><td>1</td><td>39</td></tr> <tr><td>4</td><td>0</td><td>30</td></tr> <tr><td>5</td><td>0</td><td>41</td></tr> <tr><td>6</td><td>0</td><td>31</td></tr> <tr><td>7</td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td></tr> <tr><td>16</td><td></td><td></td></tr> <tr><td>17</td><td></td><td></td></tr> <tr><td>18</td><td></td><td></td></tr> <tr><td>19</td><td></td><td></td></tr> <tr><td>20</td><td></td><td></td></tr> </tbody> </table>	Survey Pt #	$\alpha$	$\beta$	1	1	37	2	0	42	3	1	39	4	0	30	5	0	41	6	0	31	7			8			9			10			11			12			13			14			15			16			17			18			19			20		
Survey Pt #	$\alpha$	$\beta$																																																																	
1	1	37																																																																	
2	0	42																																																																	
3	1	39																																																																	
4	0	30																																																																	
5	0	41																																																																	
6	0	31																																																																	
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20																																																																			
																																																																			
1. Ammo Box Contact 460 ur 1' 50 ur 3' 21 ur 3. Floor 4. Floor 5. Inside of Door 6. outside of Door																																																																			
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location																																																																			

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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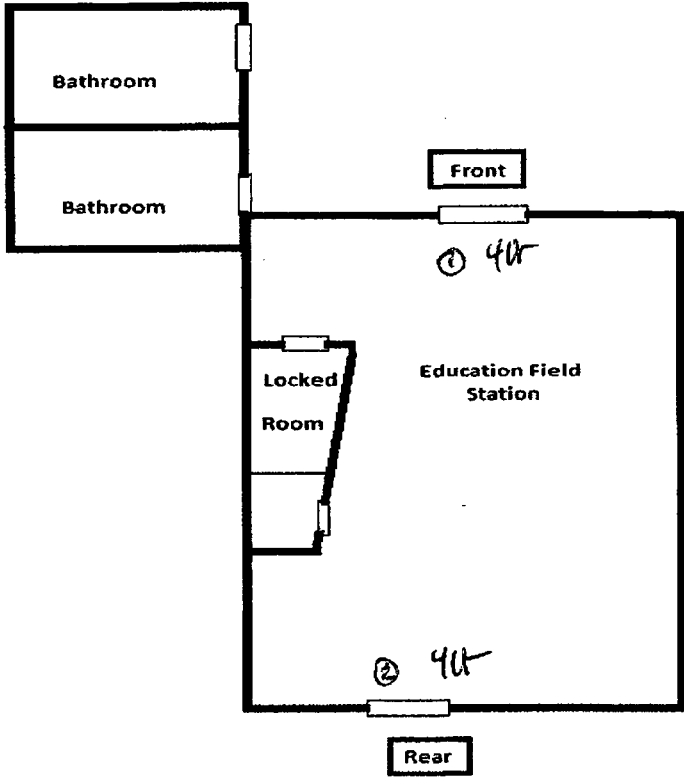
R.P Tech (print): <u>Adolfo Matus</u>			Location: Staging Area (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>01-31-14</u>	
Model	S/N	Cal. Due	Release Survey		Time: <u>1040</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>017</u>	
<u>3030E</u>	<u>217607</u>	<u>05-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$ $\beta$
					1	0      42
					2	0      37
					3	1      37
					4	0      39
					5	0      45
					6	0      39
					7	0      42
					8	0      35
					9	1      42
					10	1      36
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
1. Front Door 2. Floor 3. Floor 4. Floor 5. Table 6. Door 7. Floor 8. Floor 9. Inside Door 10. Outside Door						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-04-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0830</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>018</u>	
<u>3030E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ (B,y)	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ (a)	
			Survey Pt #		$\alpha$	$\beta$
			1		<u>1</u>	<u>42</u>
			2		<u>1</u>	<u>48</u>
			3		<u>N/A</u>	<u>N/A</u>
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20		<u>X</u>	<u>X</u>
			Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location			

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>02-11-2014</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1000</u>	
<u>19</u>	<u>180302</u>	<u>12-16-2014</u>			Survey # <u>019</u>	
<u>3030 E</u>	<u>217607</u>	<u>05-13-2014</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	28
					2	37
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-18-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0921</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>620</u>	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$ $\beta$
					1	1      48
					2	0      41
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	

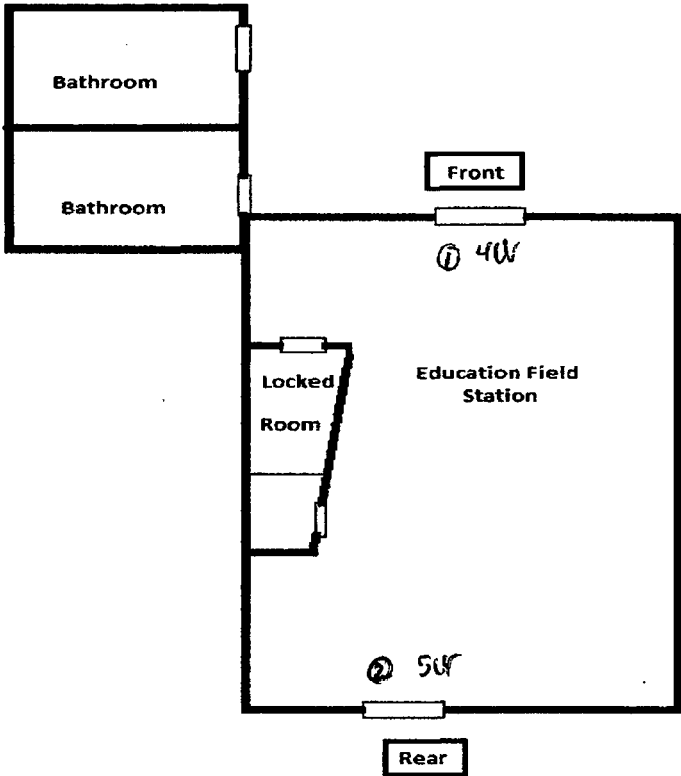
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


 <b>TIDEWATER INC</b>	<b>Radiation Safety</b> <b>Radiation and</b> <b>Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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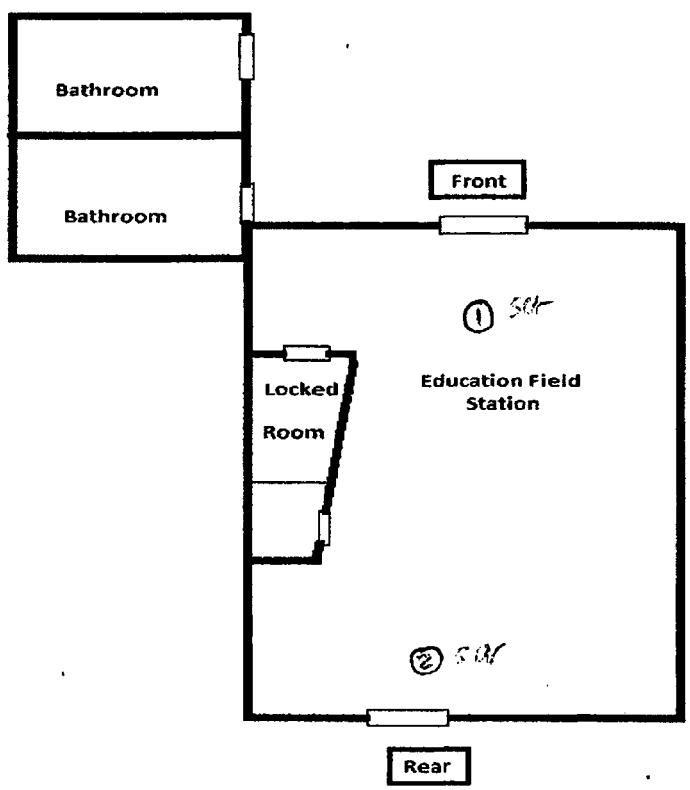
R.P Tech (print): <u>Adolfo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>2-25-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0717</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>021</u>	
<u>3030 E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			Survey Pt #	$\alpha$	$\beta$	
			1	<u>1</u>	<u>33</u>	
			2	<u>0</u>	<u>32</u>	
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_


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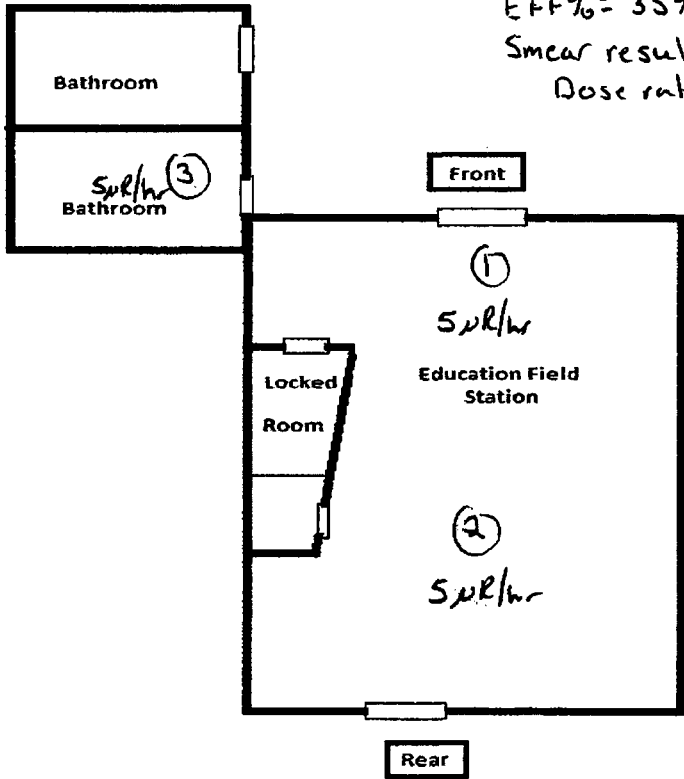
R.P Tech (print): <u>Addo Matus</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-3-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
<u>19</u>	<u>180302</u>	<u>12-16-14</u>			Survey # <u>022</u>	
<u>3030E</u>	<u>217607</u>	<u>5-13-14</u>			Air Sample # <u>N/A</u>	
					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
					Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
			All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	<u>0</u>
					2	<u>0</u>
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	
						
Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary; H = Head Level; F = foot level; O = Smear Location						

Performed By: \_\_\_\_\_ Date: 1/25/14 Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

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R.P Tech (print): <u>Bennie Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-26-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1420</u>	
L 3030	176108	4-30-14			Survey #	
L 19	180302	12-16-14			Air Sample # N/A	
					Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
 <p>3030 BKG = 1 <math>\alpha</math> 30 <math>\beta</math>  EFF% = 35% <math>\alpha</math> 23% <math>\beta</math>  Smear results = 100 cpm/100 cm<sup>2</sup>  Dose rates = <math>\mu\text{R/hr}</math></p>			Survey Pt #	$\alpha$ dpm/100cm <sup>2</sup>	$\beta$ dpm/100cm <sup>2</sup>	
			1	0	0	
			2	2.9	30.4	
			3	0	13.0	
			4	N/A	N/A	
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
20	N/A	N/A				

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: B. Cole Date: 3-26-14  
Reviewed By: 4/25/14 Date: 3-26-14



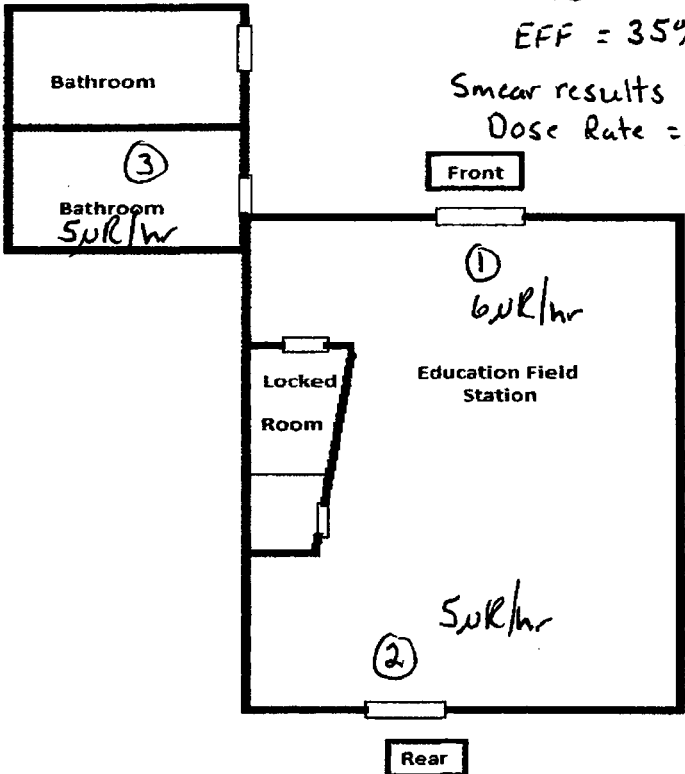
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-21-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1400</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-16-14</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$ $\beta$
					1	0      -17.4
					2	2.9      0
					3	0      -26.1
					4	N/A      N/A
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	N/A      N/A




3030 BKG = 0 & 43 AF  
 EFF = 35% & 23% AF  
 Smear results = dpm/100cm<sup>2</sup>  
 Dose Rate = uR/hr

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
 H = Head Level; F = foot level; O = Smear Location

3-21-14

Performed By: B. Cole Date: 4/25/14 Reviewed By:      Date:

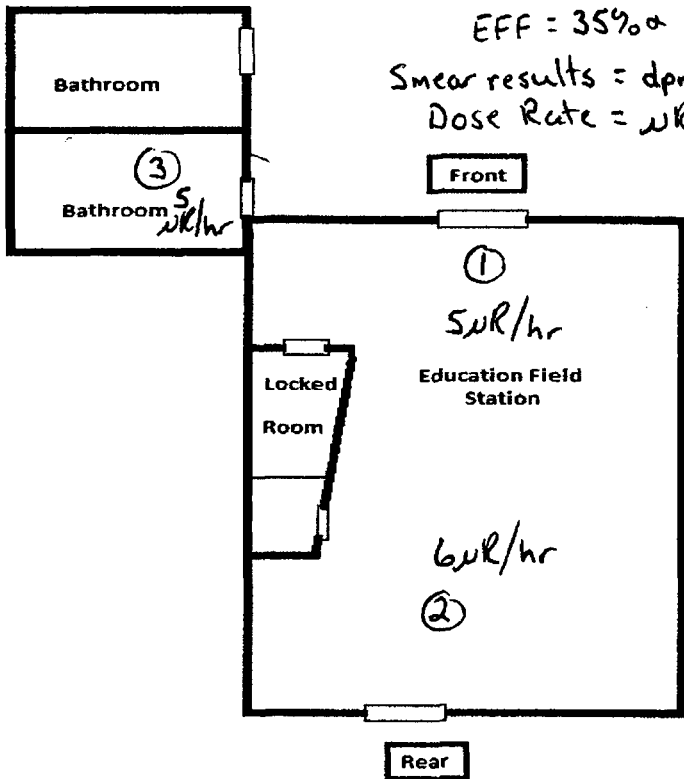
	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print): <u>B. COLLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>3-12-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1300</u>	
L 3030	176108	4-30-14			Survey #	
L 19	180302	12-16-14			Air Sample # N/A	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">N</div>					Results: $\mu\text{Ci/cc (}\beta, \gamma\text{)}$	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">A</div>			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc (}\alpha\text{)}$	
			Survey Pt #		$\alpha$	$\beta$
			1		0	-34.8
			2		0	-13.0
			3		0	4.3
			4		N/A	N/A
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19		↓	↓
			20		N/A	N/A



3030 BKG = 0 @ 37 B<sup>-2</sup>  
EFF = 35% @ 23% B<sup>-2</sup>  
Smear results = dpm / 100 cm<sup>2</sup>  
Dose Rate = uR/hr

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

Performed By: B. COLLE Date: 3-12-14  
 Date: 4/25/14 Reviewed By:            Date:



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R.P Tech (print): <u>B. COLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-4-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>1500</u>	
<u>L 3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>L 19</u>	<u>180302</u>	<u>12-6-14</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>					Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
			All dose rates in mR/hr unless otherwise noted.		Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
					Survey Pt #	$\alpha$
					1	<u>0</u>
					2	<u>0</u>
					3	<u>0</u>
					4	<u>N/A</u>
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	<u>N/A</u>

3030 BKG = 0.2 39 B<sup>-8</sup>  
EFF = 35% 2390 B<sup>-8</sup>  
Smear results = dpm/100cm<sup>2</sup>  
Dose Rate = uR/hr

Bathroom  
Bathroom (3)  
5uR/hr  
Front  
Locked Room  
Education Field Station  
1  
5uR/hr  
2  
5uR/hr  
Rear

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

4-4-14  
Performed By: B. COLE Date: 4/25/14 Reviewed By:      Date:

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R.P Tech (print): <u>B. COLE</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-11-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
L3030	176108	4-30-14			Survey #	
L19	180302	12-6-14			Air Sample # N/A	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
N/A	N/A	N/A	All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
			$\beta$			
			1	0	4.3	
			2	0	-8.7	
			3	0	4.3	
			4	0	-8.7	
			5	N/A	N/A	
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
19	↓	↓				
20	N/A	N/A				

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
H = Head Level; F = foot level; O = Smear Location

4-11-14  
 Performed By: B. COLE Date: 4/25/14 Reviewed By:      Date:

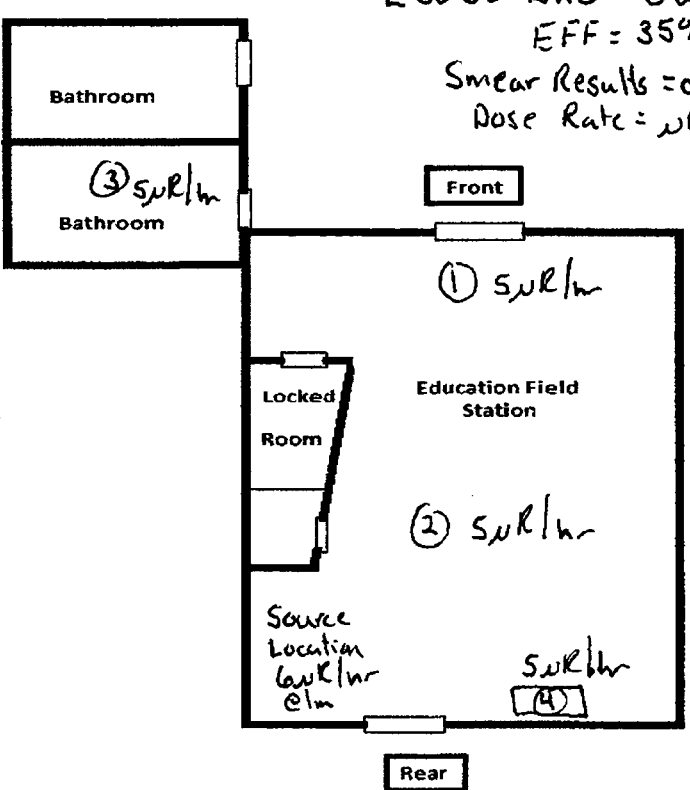
 <b>TIDEWATER</b> INC	<b>Radiation Safety</b> <b>Radiation and Contamination Surveys</b>	Issue Date 11-14-2011	RS-010.1
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R.P Tech (print):			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: 4-17-14	
Model	S/N	Cal. Due	Weekly Survey		Time: 1500	
L3030	176108	4-30-14			Survey #	
L19	18030	12-6-14			Air Sample # N/A	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
N/A	N/A	N/A			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
N/A	N/A	N/A	All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
					1	-13.04
					2	0
					3	4.3
					4	-13.04
					5	N/A
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	N/A


  



L3030 BKG =  $0.42 \text{ R/hr}$   
 EFF =  $35\% \times 2390 \text{ B/hr}$   
 Smear Results =  $\text{dpm}/100 \text{ cm}^2$   
 Dose Rate =  $\text{uR/hr}$

Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
 H = Head Level; F = foot level; O = Smear Location

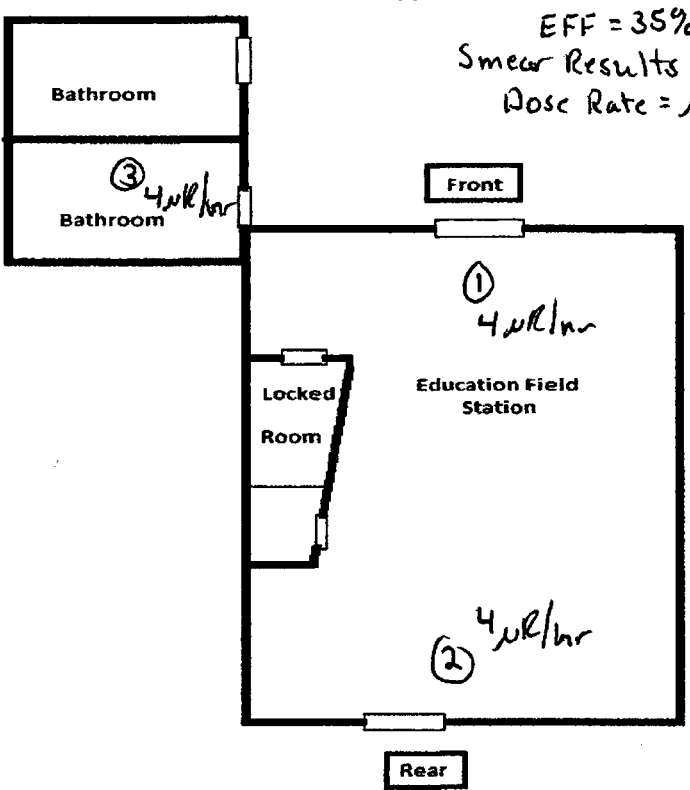
Performed By: B. Cole Date: 4-17-14 Reviewed By:    Date: 4-25-14

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R.P Tech (print): <u>B. Cole</u>			Location: Education Center (GKP)		RWP #: N/A	
Instruments Used			Comments or Purpose of Survey		Date: <u>4-24-14</u>	
Model	S/N	Cal. Due	Weekly Survey		Time: <u>0800</u>	
<u>L3030</u>	<u>176108</u>	<u>4-30-14</u>			Survey #	
<u>Bicron</u>	<u>1299</u>	<u>1-23-15</u>			Air Sample # <u>N/A</u>	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			Results: $\mu\text{Ci/cc}$ ( $\beta, \gamma$ )	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			Results: $\mu\text{Ci/cc}$ ( $\alpha$ )	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	All dose rates in mR/hr unless otherwise noted.		Survey Pt #	$\alpha$
						$\beta$
					1	2.9
					2	0
					3	2.9
					4	N/A
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	
					16	
					17	
					18	
					19	
					20	N/A

L3030 BKG =  $0.4 \mu\text{R/hr}$   
 EFF = 35%  $\alpha$  23%  $\beta, \gamma$   
 Smear Results =  $\text{dpm}/100\text{cm}^2$   
 Dose Rate =  $\mu\text{R/hr}$



Note: A/S = air sample; # = Direct frisk; LAS = Large Area Smear; K = 1000  
 x/y refers to x = contact/ y = 30cm; xx = RCA Boundary;  
 H = Head Level; F = foot level; O = Smear Location

Performed By: B. Cole Date: 4-24-14 Reviewed By:      Date: 4-25-14