

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: M. CHISCHILLY

Sheet: 4 Of 4 Page 4
Date: 6-18-07

Instr. Type/Serial No.: LVD 19/9180
And Calibration Due Date: _____

Site ID: ST. ANTHONY MINE S. SHAFT
Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: SOUTH SHAFT HAULAGE ROAD				AREA:			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
SSHR-1	13	12	24				
" - 2	10	12	23				
" - 3	20	17	30				
" - 4	9	9	18				
" - 5	7	7	17				
" - 6	38	38	70				
" - 7	270	210	270				
" - 8	40	44	80				
" - 9	65	35	50				
" - 10	27	27	49				
" - 11	36	34	60				
" - 12	26	24	43				
" - 13	43	36	65				
" - 14	50	45	75				
" - 15	220	175	240				
" - 16	40	40	65				
" - 17	46	43	75				
" - 18	70	80	135				
" - 19	130	90	135				
" - 20	60	70	125				
" - 21	10	14	36				
" - 22	90	90	140				
" - 23	31	38	100				
" - 24	75	50	100				
" - 25	21	25	60				
" - 26	10	12	30				
" - 27	7	9	22				
" - 28	8	9	20				
" - 29	6	8	22				
" - 30	10	14	33				
" - 31	13	16	40				
" - 32	9	9	24				
" - 33	6	7	17				
" - 34	70	60	75				

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY

Sheet: 1 Of 1 Page 1
Date: 6-20-07

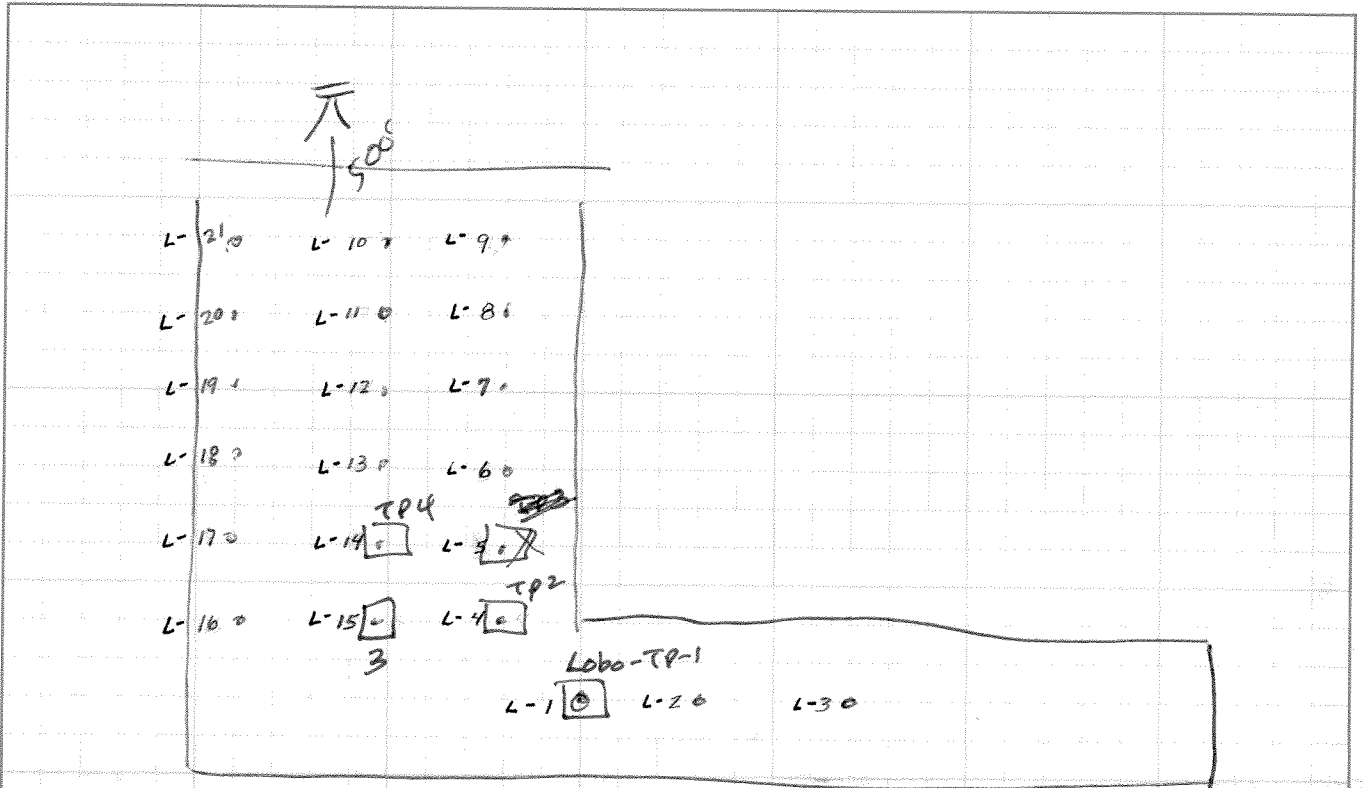
Instr. Type/Serial No.: LUD 19/9180
And Calibration Due Date: 2-1-08

Site ID: ST. ANTHONY MINE - LOBO AREA
Avg. Bkgd. Exposure Rate Reading (μ R/hr): CONTACT SHIELD = 7

1 METER SHIELD = 8
1 METER UNSHIELD = 17

AREA: <u>LOBO</u>				AREA:			
Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr	Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr
L-1	6	7	16				
L-2	6	6	7				
L-3	5	6	13				
L-4	7	7	15				
L-5	6	6	13				
L-6	6	6	12				
L-7	6	6	12				
L-8	5	5	10				
L-9	5	5	11				
L-10	7	7	15				
L-11	7	7	15				
L-12	7	7	15				
L-13	7	7	15				
L-14	7	7	15				
L-15	8	8	17				
L-16	7	7	16				
L-17	8	7	15				
L-18	7	7	14				
L-19	7	8	14				
L-20	7	8	15				
L-21	7	7	14				

Comment: _____



<u>LOC.</u>	<u>CONTACT SHIELDED</u>	<u>1 METER SHIELDED</u>	<u>1 METER UNSHIELDED</u>
L-1	6	7	16
L-2	6	6	7
L-3	5	6	13
L-4	7	7	15
L-5	6	6	13
L-6	6	6	12
L-7	6	6	12
L-8	5	5	10
L-9	5	5	11
L-10	7	7	15
L-11	7	7	15
L-12	7	7	15
L-13	7	7	15
L-14	7	7	15
L-15	8	8	17
L-16	7	7	16
L-17	8	7	15
L-18	7	7	14
L-19	7	8	14
L-20	7	8	15
L-21	7	7	14

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM

Sheet: 1 Of 14 Page 1
 Date: 4-25-06

Instr. Type/Serial No.: LUDLUM 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): Contact (w/s) = 6

1 meter (w/s) = 5
 1 meter (wo/s) = 13

AREA: <u>TOPSOIL</u>				AREA: <u>SHALE 1</u>			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
<u>TS -</u>				<u>51-L-2-1</u>			
<u>110</u>	<u>5</u>	<u>6</u>	<u>12</u>	<u>106</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>TS -</u>				<u>51-L-2-2</u>			
<u>111</u>	<u>7</u>	<u>7</u>	<u>13</u>	<u>107</u>	<u>7</u>	<u>6</u>	<u>14</u>
<u>TS -</u>				<u>51-L-3-3</u>			
<u>112</u>	<u>5</u>	<u>5</u>	<u>12</u>	<u>270</u>	<u>6</u>	<u>6</u>	<u>13</u>
<u>TS -</u>				<u>51-L-1-3</u>			
<u>113</u>	<u>7</u>	<u>8</u>	<u>15</u>	<u>271</u>	<u>13</u>	<u>11</u>	<u>16</u>
<u>TS -</u>				<u>51-L-3-2</u>			
<u>267</u>	<u>6</u>	<u>6</u>	<u>13</u>	<u>274</u>	<u>5</u>	<u>5</u>	<u>12</u>
<u>TS -</u>				<u>51-L-1-2</u>			
<u>268</u>	<u>9</u>	<u>9</u>	<u>14</u>	<u>275</u>	<u>6</u>	<u>6</u>	<u>13</u>
				<u>51-L-3-1</u>			
				<u>276</u>	<u>7</u>	<u>8</u>	<u>14</u>
<u>FL -</u>				<u>51-L-1-1</u>			
<u>264</u>	<u>35</u>	<u>29</u>	<u>51</u>	<u>277</u>	<u>7</u>	<u>8</u>	<u>14</u>
<u>FL -</u>							
<u>265</u>	<u>26</u>	<u>25</u>	<u>46</u>				
<u>FL -</u>							
<u>266</u>	<u>17</u>	<u>17</u>	<u>31</u>				

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
 LUDLUM

Sheet: 2 Of 14 Page 2
 Date: 4-25-06 E 4-27-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: <u>SHALE 2</u>				AREA: <u>PILE 3</u>			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
<u>52-L-1-1</u>				<u>P3-SW</u>			
<u>108</u>	<u>6</u>	<u>5</u>	<u>11</u>	<u>114</u>	<u>32</u>	<u>30</u>	<u>65</u>
<u>52-L-1-3</u>				<u>P3-SE</u>			
<u>109</u>	<u>11</u>	<u>8</u>	<u>14</u>	<u>115</u>	<u>33</u>	<u>33</u>	<u>65</u>
<u>52-L-2-2</u>				<u>P3-NW</u>			
<u>269</u>	<u>13</u>	<u>11</u>	<u>19</u>	<u>116</u>	<u>34</u>	<u>33</u>	<u>70</u>
<u>52-L-1-2</u>				<u>P3-NE</u>			
<u>272</u>	<u>5</u>	<u>5</u>	<u>12</u>	<u>117</u>	<u>75</u>	<u>65</u>	<u>105</u>
<u>52-L-2-1</u>				<u>P3-</u>			
<u>273</u>	<u>8</u>	<u>8</u>	<u>14</u>	<u>278</u>	<u>50</u>	<u>42</u>	<u>75</u>
				<u>P3-</u>			
				<u>279</u>	<u>14</u>	<u>14</u>	<u>36</u>
				<u>P3-</u>			
				<u>280</u>	<u>20</u>	<u>21</u>	<u>46</u>
				<u>P3-</u>			
				<u>281</u>	<u>37</u>	<u>31</u>	<u>65</u>
				<u>P3-</u>			
				<u>282</u>	<u>26</u>	<u>27</u>	<u>60</u>
				<u>P3-</u>			
				<u>283</u>	<u>21</u>	<u>20</u>	<u>46</u>
				<u>P3-</u>			
				<u>284</u>	<u>27</u>	<u>32</u>	<u>62</u>
				<u>P3-</u>			
				<u>285</u>	<u>23</u>	<u>26</u>	<u>60</u>
				<u>P3-</u>			
				<u>286</u>	<u>40</u>	<u>38</u>	<u>70</u>
				<u>P3-</u>			
				<u>287</u>	<u>46</u>	<u>46</u>	<u>98</u>
				<u>P3-</u>			
				<u>288</u>	<u>125</u>	<u>110</u>	<u>165</u>
				<u>P3-</u>			
				<u>289</u>	<u>55</u>	<u>70</u>	<u>125</u>
				<u>P3-</u>			
				<u>290</u>	<u>26</u>	<u>34</u>	<u>80</u>
				<u>P3-</u>			
				<u>291</u>	<u>40</u>	<u>46</u>	<u>105</u>

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
 LUDLUM

Sheet: 3 Of 14 Page 3
 Date: 4-25-06, 4-26-06 & 4-27-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu R/hr$): _____

AREA: <u>PILE 3</u>				AREA: <u>PILE 6</u>			
Location Or Point ID	Contact Shielded Reading $\mu R/hr$	One Meter Shielded Reading $\mu R/hr$	One Meter Unshielded Reading $\mu R/hr$	Location Or Point ID	Contact Shielded Reading $\mu R/hr$	One Meter Shielded Reading $\mu R/hr$	One Meter Unshielded Reading $\mu R/hr$
<u>P3-</u>				<u>P6-</u>			
<u>292</u>	<u>60</u>	<u>60</u>	<u>105</u>	<u>234</u>	<u>34</u>	<u>34</u>	<u>80</u>
<u>P3-</u>				<u>P6-</u>			
<u>293</u>	<u>85</u>	<u>75</u>	<u>135</u>	<u>235</u>	<u>35</u>	<u>38</u>	<u>85</u>
				<u>P6-</u>			
				<u>236</u>	<u>45</u>	<u>45</u>	<u>100</u>
				<u>P6-</u>			
				<u>237</u>	<u>40</u>	<u>45</u>	<u>95</u>
				<u>P6-</u>			
				<u>238</u>	<u>65</u>	<u>50</u>	<u>95</u>
				<u>P6-</u>			
				<u>239</u>	<u>30</u>	<u>32</u>	<u>70</u>
				<u>P6-</u>			
				<u>240</u>	<u>55</u>	<u>57</u>	<u>115</u>
				<u>P6-</u>			
				<u>241</u>	<u>30</u>	<u>30</u>	<u>70</u>

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUOLUM

Sheet: 4 Of 14 Page 4
Date: 4-26-06

Instr. Type/Serial No.: 19/9180 & 125/9073
And Calibration Due Date: 1/18/07 & 12/13/06

Site ID: ST. ANTHONY MINE
Avg. Bkgd. Exposure Rate Reading (µR/hr): _____

AREA: <u>PIT 1</u>				AREA: <u>TOPSOIL</u>			
Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr	Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr
<u>P1-</u>				<u>TS-L-2-1</u>			
<u>165</u>	<u>58</u>	<u>50</u>	<u>95</u>	<u>161</u>	<u>7</u>	<u>7</u>	<u>16</u>
<u>P1-</u>				<u>TS-2-2-2</u>			
<u>166</u>	<u>50</u>	<u>45</u>	<u>85</u>	<u>162</u>	<u>6</u>	<u>7</u>	<u>19</u>
<u>P1-</u>				<u>TS-L-2-3</u>			
<u>167</u>	<u>38</u>	<u>35</u>	<u>70</u>	<u>163</u>	<u>7</u>	<u>9</u>	<u>22</u>
<u>P1-</u>				<u>RSP-TPL</u>			
<u>168</u>	<u>33</u>	<u>35</u>	<u>70</u>	<u>164</u>	<u>6</u>	<u>7</u>	<u>18</u>
<u>P1-</u>							
<u>169</u>	<u>20</u>	<u>25</u>	<u>62</u>				
<u>P1-</u>							
<u>170</u>	<u>40</u>	<u>47</u>	<u>80</u>				
<u>P1-</u>							
<u>171</u>	<u>29</u>	<u>39</u>	<u>70</u>				
<u>P1-</u>							
<u>172</u>	<u>26</u>	<u>27</u>	<u>60</u>				
<u>P1-</u>							
<u>173</u>	<u>28</u>	<u>34</u>	<u>80</u>				
<u>P1-</u>							
<u>174</u>	<u>32</u>	<u>37</u>	<u>79</u>				
<u>P1-</u>							
<u>175</u>	<u>63</u>	<u>72</u>	<u>138</u>				

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 5 Of 14 Page 5
 Date: 4-26-06 & 4-27-06

Instr. Type/Serial No.: 19/9180 & 125/9073
 And Calibration Due Date: 1/18/07 & 12/13/06

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (μ R/hr): _____

AREA: <u>PILE 7</u>				AREA: <u>CRUSHER/STOCKPILE AREA</u>			
Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr	Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr
<u>P7 - 229</u>	<u>60</u>	<u>55</u>	<u>135</u>	<u>CSA-L-8-1 133</u>	<u>25</u>	<u>35</u>	<u>80</u>
<u>P7 - 230</u>	<u>130</u>	<u>150</u>	<u>230</u>	<u>CSA-L-8-3 134</u>	<u>34</u>	<u>35</u>	<u>100</u>
<u>P7 - 231</u>	<u>65</u>	<u>65</u>	<u>130</u>	<u>CSA-L-1-1 135</u>	<u>33</u>	<u>32</u>	<u>75</u>
<u>P7 - 232</u>	<u>180</u>	<u>135</u>	<u>245</u>	<u>CSA-L-1-6 136</u>	<u>60</u>	<u>62</u>	<u>105</u>
<u>P7 - 233</u>	<u>410</u>	<u>320</u>	<u>600</u>	<u>CSA-L-1-2 176</u>	<u>25</u>	<u>25</u>	<u>65</u>
				<u>CSA-L-1-3 177</u>	<u>28</u>	<u>32</u>	<u>79</u>
				<u>CSA-L-1-4 178</u>	<u>23</u>	<u>28</u>	<u>75</u>
				<u>CSA-L-1-5 179</u>	<u>35</u>	<u>35</u>	<u>85</u>
				<u>CSA-L-2-2 180</u>	<u>40</u>	<u>45</u>	<u>105</u>
				<u>CSA-L-3-2 181</u>	<u>45</u>	<u>45</u>	<u>120</u>
				<u>CSA-L-4-2 182</u>	<u>470</u>	<u>330</u>	<u>490</u>
				<u>CSA-L-5-2 183</u>	<u>220</u>	<u>200</u>	<u>330</u>
				<u>CSA-L-6-3 184</u>	<u>140</u>	<u>130</u>	<u>240</u>
				<u>CSA-L-7-2 185</u>	<u>410</u>	<u>330</u>	<u>450</u>
				<u>CSA-L-2-3 186</u>	<u>90</u>	<u>85</u>	<u>175</u>
				<u>CSA-L-2-4 187</u>	<u>70</u>	<u>90</u>	<u>195</u>
				<u>CSA-L-2-5 188</u>	<u>95</u>	<u>100</u>	<u>195</u>
				<u>CSA-L-2-6 189</u>	<u>105</u>	<u>105</u>	<u>205</u>

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 6 Of 14 Page 6
 Date: 4-26-06 & 4-27-06

Instr. Type/Serial No.: 19/9180 & 125/9073
 And Calibration Due Date: 1/18/07 & 12/13/06

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (µR/hr): _____

AREA: CRUSHER/STOCKPILE AREA				AREA: CRUSHER/STOCKPILE AREA			
Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr	Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr
CSA-L-2-7				CSA-L-5-6			
190	65	70	140	208	85	85	210
CSA-L-2-1				CSA-L-5-7			
191	120	125	190	209	110	115	220
CSA-L-3-3				CSA-L-6-1			
192	110	115	220	210	25	35	95
CSA-L-3-4				CSA-L-6-2			
193	175	175	320	211	115	120	240
CSA-L-3-5				CSA-L-6-4			
194	110	110	220	212	65	80	160
CSA-L-3-6				CSA-L-6-5			
195	125	130	240	213	35	45	125
CSA-L-3-7				CSA-L-6-6			
196	185	180	265	214	135	120	215
CSA-L-3-1				CSA-L-6-7			
197	65	65	135	215	145	135	245
CSA-L-4-3				CSA-L-7-1			
198	80	75	175	216	70	70	155
CSA-L-4-4				CSA-L-7-3			
199	115	110	215	217	70	75	155
CSA-L-4-5				CSA-L-7-4			
200	435	460	800	218	85	85	180
CSA-L-4-6				CSA-L-7-5			
201	210	210	350	219	110	115	235
CSA-L-4-7				CSA-L-8-2			
202	235	210	330	220	100	90	180
CSA-L-4-1							
203	165	160	280				
CSA-L-5-1							
204	125	140	250				
CSA-L-5-3							
205	105	105	200				
CSA-L-5-4							
206	85	90	175				
CSA-L-5-5							
207	200	240	410				

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 7 Of 14 Page 7
 Date: 4-27-06 E 4-28-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (µR/hr): _____

AREA: <u>PILE 5</u>				AREA: <u>TOPSOIL/OVERBURDEN</u>			
Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr	Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr
<u>P5-L-3-1</u>				<u>TS08-L-2-1</u>			
<u>118</u>	<u>55</u>	<u>60</u>	<u>125</u>	<u>121</u>	<u>12</u>	<u>13</u>	<u>34</u>
<u>P5-L-1-1</u>				<u>TS08-L-2-4</u>			
<u>119</u>	<u>105</u>	<u>105</u>	<u>180</u>	<u>122</u>	<u>10</u>	<u>11</u>	<u>25</u>
<u>P5-L-1-2</u>				<u>TS08-L-1-1</u>			
<u>120</u>	<u>45</u>	<u>50</u>	<u>105</u>	<u>123</u>	<u>9</u>	<u>11</u>	<u>25</u>
<u>P5-L-2-2</u>				<u>TS08-L-1-5</u>			
<u>226</u>	<u>90</u>	<u>90</u>	<u>170</u>	<u>124</u>	<u>7</u>	<u>8</u>	<u>16</u>
<u>P5-L-2-1</u>				<u>TS08-L-1-2</u>			
<u>227</u>	<u>80</u>	<u>90</u>	<u>180</u>	<u>221</u>	<u>7</u>	<u>9</u>	<u>23</u>
<u>P5-L-2-3</u>				<u>TS08-L-1-3</u>			
<u>228</u>	<u>70</u>	<u>70</u>	<u>125</u>	<u>222</u>	<u>9</u>	<u>9</u>	<u>22</u>
				<u>TS08-L-1-4</u>			
				<u>223</u>	<u>8</u>	<u>9</u>	<u>20</u>
				<u>TS08-L-2-2</u>			
				<u>224</u>	<u>13</u>	<u>14</u>	<u>34</u>
				<u>TS08-L-2-3</u>			
				<u>225</u>	<u>10</u>	<u>11</u>	<u>30</u>

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 8 Of 14 Page 8
 Date: 4-28-06 & 5-1-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (μ R/hr): _____

AREA: <u>PILE 4</u>				AREA:			
Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr	Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr
<u>P4-5W</u>				<u>P4-L-3-6</u>			
<u>100</u>	<u>23</u>	<u>23</u>	<u>50</u>	<u>322</u>	<u>26</u>	<u>26</u>	<u>30</u>
<u>P4-L-14-2</u>				<u>P4-L-3-7</u>			
<u>101</u>	<u>11</u>	<u>11</u>	<u>18</u>	<u>323</u>	<u>23</u>	<u>23</u>	<u>40</u>
<u>P4-L-1-1</u>				<u>P4-L-3-8</u>			
<u>102</u>	<u>7</u>	<u>7</u>	<u>14</u>	<u>324</u>	<u>26</u>	<u>24</u>	<u>43</u>
<u>P4-L-1-3</u>				<u>P4-L-4-1</u>			
<u>103</u>	<u>5</u>	<u>5</u>	<u>13</u>	<u>325</u>	<u>9</u>	<u>10</u>	<u>28</u>
<u>P4-L-1-2</u>				<u>P4-L-4-2</u>			
<u>308</u>	<u>5</u>	<u>6</u>	<u>13</u>	<u>326</u>	<u>9</u>	<u>11</u>	<u>24</u>
<u>P4-L-2-1</u>				<u>P4-L-4-3</u>			
<u>309</u>	<u>11</u>	<u>11</u>	<u>25</u>	<u>327</u>	<u>7</u>	<u>8</u>	<u>19</u>
<u>P4-L-2-2</u>				<u>P4-L-4-4</u>			
<u>310</u>	<u>9</u>	<u>9</u>	<u>18</u>	<u>328</u>	<u>6</u>	<u>6</u>	<u>14</u>
<u>P4-L-2-3</u>				<u>P4-L-4-5</u>			
<u>311</u>	<u>6</u>	<u>6</u>	<u>13</u>	<u>329</u>	<u>5</u>	<u>6</u>	<u>13</u>
<u>P4-L-2-4</u>				<u>P4-L-4-6</u>			
<u>312</u>	<u>5</u>	<u>6</u>	<u>13</u>	<u>330</u>	<u>6</u>	<u>7</u>	<u>15</u>
<u>P4-L-2-5</u>				<u>P4-L-4-7</u>			
<u>313</u>	<u>5</u>	<u>5</u>	<u>13</u>	<u>331</u>	<u>15</u>	<u>15</u>	<u>30</u>
<u>P4-L-2-6</u>				<u>P4-L-4-8</u>			
<u>314</u>	<u>13</u>	<u>17</u>	<u>35</u>	<u>332</u>	<u>8</u>	<u>10</u>	<u>24</u>
<u>P4-L-2-7</u>				<u>P4-L-4-9</u>			
<u>315</u>	<u>10</u>	<u>11</u>	<u>25</u>	<u>333</u>	<u>9</u>	<u>9</u>	<u>21</u>
<u>P4-L-2-8</u>				<u>P4-L-4-10</u>			
<u>316</u>	<u>7</u>	<u>8</u>	<u>16</u>	<u>334</u>	<u>5</u>	<u>5</u>	<u>15</u>
<u>P4-L-3-1</u>				<u>P4-L-5-1</u>			
<u>317</u>	<u>11</u>	<u>11</u>	<u>25</u>	<u>335</u>	<u>11</u>	<u>12</u>	<u>36</u>
<u>P4-L-3-2</u>				<u>P4-L-5-2</u>			
<u>318</u>	<u>6</u>	<u>6</u>	<u>14</u>	<u>336</u>	<u>9</u>	<u>10</u>	<u>27</u>
<u>P4-L-3-3</u>				<u>P4-L-5-3</u>			
<u>319</u>	<u>7</u>	<u>6</u>	<u>13</u>	<u>337</u>	<u>20</u>	<u>16</u>	<u>30</u>
<u>P4-L-3-4</u>				<u>P4-L-5-4</u>			
<u>320</u>	<u>6</u>	<u>7</u>	<u>14</u>	<u>338</u>	<u>9</u>	<u>11</u>	<u>31</u>
<u>P4-L-3-5</u>				<u>P4-L-5-5</u>			
<u>321</u>	<u>31</u>	<u>22</u>	<u>35</u>	<u>339</u>	<u>7</u>	<u>9</u>	<u>17</u>

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 9 Of 14 Page 9
 Date: 4-28-06 E 5-1-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA:				AREA:			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
P4-L-5-6				P4-L-7-6			
340	6	6	14	358	36	34	60
P4-L-5-7				P4-L-7-7			
341	8	7	18	359	22	21	41
P4-L-5-8				P4-L-7-8			
342	24	27	55	360	12	12	26
P4-L-5-9				P4-L-8-1			
343	5	7	17	361	26	30	65
P4-L-5-10				P4-L-8-2			
344	15	15	27	362	22	21	45
P4-L-5-11				P4-L-8-3			
345	10	11	25	363	13	13	30
P4-L-6-1				P4-L-8-4			
346	22	24	60	364	7	10	21
P4-L-6-2				P4-L-8-5			
347	9	9	26	365	7	8	19
P4-L-7-4				P4-L-8-6			
348	22	22	42	366	9	9	19
P4-L-6-4				P4-L-8-7			
349	8	9	22	367	7	7	18
P4-L-6-5				P4-L-8-8			
350	7	7	18	368	9	9	20
P4-L-6-6				P4-L-8-9			
351	20	17	34	369	36	30	55
P4-L-6-7				P4-L-8-10			
352	27	23	40	370	10	16	32
P4-L-7-1				P4-L-8-11			
353	25	25	55	371	7	8	16
P4-L-7-2				P4-L-9-1			
354	18	19	38	372	13	14	34
P4-L-7-3				P4-L-9-2			
355	9	10	24	373	14	15	32
P4-L-7-4				P4-L-9-3			
356	26	27	55	374	7	7	17
P4-L-7-5				P4-L-9-4			
357	24	25	58	375	7	7	16

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM
 Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Sheet: 10 Of 14 Page 10
 Date: 5-1-06
 Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: <u>PILE 4</u>				AREA:			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
<u>P4-L-9-5</u>				<u>P4-L-13-1</u>			
<u>376</u>	<u>6</u>	<u>7</u>	<u>17</u>	<u>394</u>	<u>9</u>	<u>9</u>	<u>16</u>
<u>P4-L-9-6</u>				<u>P4-L-14-1</u>			
<u>377</u>	<u>7</u>	<u>8</u>	<u>17</u>	<u>395</u>	<u>12</u>	<u>15</u>	<u>30</u>
<u>P4-L-9-7</u>							
<u>378</u>	<u>7</u>	<u>7</u>	<u>16</u>				
<u>P4-L-9-8</u>							
<u>379</u>	<u>5</u>	<u>5</u>	<u>13</u>				
<u>P4-L-10-1</u>							
<u>380</u>	<u>25</u>	<u>26</u>	<u>46</u>				
<u>P4-L-10-2</u>							
<u>381</u>	<u>25</u>	<u>27</u>	<u>47</u>				
<u>P4-L-10-3</u>							
<u>382</u>	<u>40</u>	<u>28</u>	<u>50</u>				
<u>P4-L-10-4</u>							
<u>383</u>	<u>37</u>	<u>33</u>	<u>65</u>				
<u>P4-L-10-5</u>							
<u>384</u>	<u>12</u>	<u>13</u>	<u>28</u>				
<u>P4-L-10-6</u>							
<u>385</u>	<u>6</u>	<u>7</u>	<u>15</u>				
<u>P4-L-10-7</u>							
<u>386</u>	<u>7</u>	<u>7</u>	<u>15</u>				
<u>P4-L-11-1</u>							
<u>387</u>	<u>23</u>	<u>18</u>	<u>35</u>				
<u>P4-L-11-2</u>							
<u>388</u>	<u>10</u>	<u>11</u>	<u>23</u>				
<u>P4-L-11-3</u>							
<u>389</u>	<u>7</u>	<u>8</u>	<u>17</u>				
<u>P4-L-11-4</u>							
<u>390</u>	<u>7</u>	<u>6</u>	<u>15</u>				
<u>P4-L-11-5</u>							
<u>391</u>	<u>6</u>	<u>7</u>	<u>15</u>				
<u>P4-L-12-1</u>							
<u>392</u>	<u>13</u>	<u>15</u>	<u>29</u>				
<u>P4-L-12-2</u>							
<u>393</u>	<u>13</u>	<u>23</u>	<u>45</u>				

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
 LUDLUM

Sheet: 11 Of 14 Page 11
 Date: 5-1-06 & 5-2-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: BORROW AREA 3				AREA: BORROW AREA 1			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
BA 3-L-5-1				BA1-L-5-1			
157	6	6	11	141	6	6	12
BA3-L-5-2				BA1-L-5-5			
158	7	7	14	142	6	6	11
BA3-L-1-1				BA1-L-1-1			
159	7	8	11	143	5	5	9
BA3-L-1-4				BA1-L-1-5			
160	9	10	25	144	6	6	11
BA3-L-1-2				BA1-L-1-2			
294	10	11	26	421	5	5	11
BA3-L-1-3				BA1-L-1-3			
295	8	11	26	422	6	5	11
BA3-L-2-1				BA1-L-1-4			
296	7	8	17	423	7	8	13
BA3-L-2-2				BA1-L-2-1			
297	6	7	16	424	6	5	10
BA3-L-2-3				BA1-L-2-2			
298	5	6	16	425	5	4	9
BA3-L-2-4				BA1-L-2-3			
299	6	6	16	426	6	6	11
BA3-L-3-1				BA1-L-2-4			
300	8	9	17	427	4	4	8
BA3-L-3-2				BA1-L-2-5			
301	6	6	13	428	6	6	11
BA3-L-3-3				BA1-L-3-1			
302	5	6	13	429	5	5	10
BA3-L-3-4				BA1-L-3-2			
303	6	7	15	430	5	5	9
BA3-L-4-1				BA1-L-3-3			
304	8	8	14	431	7	7	11
BA3-L-4-2				BA1-L-3-4			
305	6	6	13	432	4	4	8
BA3-L-4-3				BA1-L-3-5			
306	6	6	14	433	6	6	12
BA3-L-4-4				BA1-L-4-1			
307	7	7	17	434	5	5	11

Comment: measurement on rock rim for BA3: 159 and 302.

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 12 Of 14 Page 12
 Date: 5-2-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (μ R/hr): _____

AREA: BORROW AREA 1				AREA: BORROW AREA 2			
Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr	Location Or Point ID	Contact Shielded Reading μ R/hr	One Meter Shielded Reading μ R/hr	One Meter Unshielded Reading μ R/hr
BA1-L-4-2				BA2-L-8-1			
435	5	4	8	149	5	5	9
BA1-L-4-3				BA2-L-9-1			
436	5	5	10	150	5	5	9
BA1-L-4-4				BA2-L-1-1			
437	6	6	11	151	5	5	10
BA1-L-4-5				BA2-L-1-4			
438	4	5	9	152	4	4	9
BA1-L-5-2				BA2-L-1-2			
439	4	4	9	396	5	5	9
BA1-L-5-3				BA2-L-1-3			
440	5	5	9	397	5	5	10
BA1-L-5-4				BA2-L-2-1			
441	5	5	10	398	7	7	13
				BA2-L-2-2			
				399	5	5	10
				BA2-L-2-3			
				400	6	6	11
				BA2-L-2-4			
				401	4	4	8
				BA2-L-3-1			
				402	4	4	8
				BA2-L-3-2			
				403	6	6	11
				BA2-L-3-3			
				404	4	5	9
				BA2-L-4-1			
				405	6	5	10
				BA2-L-4-2			
				406	5	5	9
				BA2-L-4-3			
				407	6	6	10
				BA2-L-5-1			
				408	5	5	9
				BA2-L-5-2			
				409	5	5	9

Comment: measurement on rock area for BA2: 407, 404, 401 and 152.

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
 LUDLUM

Sheet: 13 Of 14 Page 13
 Date: 5-2-06 & 5-3-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-07

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: BORROW AREA 2				AREA: BACKGROUND AREA			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
BAZ-L-5-3				BCKA-L-3-1			
410	5	5	9	129	13	12	21
BAZ-L-6-1				BCKA-L-3-6			
411	5	5	11	130	8	9	21
BAZ-L-6-2				BCKA-L-1-1			
412	5	6	11	131	5	6	11
BAZ-L-6-3				BCKA-L-1-6			
413	5	5	10	132	8	8	17
BAZ-L-6-4				BCKA-L-1-2			
414	5	5	9	442	5	5	11
BAZ-L-7-1				BCKA-L-1-3			
415	5	6	11	443	5	6	11
BAZ-L-7-2				BCKA-L-1-4			
416	5	5	9	444	6	6	13
BAZ-L-7-3				BCKA-L-1-5			
417	4	4	9	445	6	6	14
BAZ-L-7-4				BCKA-L-2-1			
418	7	6	13	446	6	6	13
BAZ-L-8-2				BCKA-L-2-2			
419	5	5	8	447	7	8	15
BAZ-L-8-3				BCKA-L-2-3			
420	5	5	9	448	9	8	17
BAZ-L-5-4				BCKA-L-2-4			
456	6	6	10	449	8	8	16
				BCKA-L-2-5			
				450	9	9	18
				BCKA-L-2-6			
				451	8	8	18
				BCKA-L-3-2			
				452	10	10	19
				BCKA-L-3-3			
				453	9	9	19
				BCKA-L-3-4			
				454	11	11	21
				BCKA-L-3-5			
				455	11	11	21

Comment: _____

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUDLUM

Sheet: 14 Of 14 Page 14
 Date: 4-25-06, 4-26-06, 4-27-06 E 5-3-06

Instr. Type/Serial No.: 19/9180
 And Calibration Due Date: 1-18-09

Site ID: ST. ANTHONY MINE
 Avg. Bkgd. Exposure Rate Reading (µR/hr): _____

AREA: WEST DISTURBANCE AREA				AREA: WEST DISTURANCE AREA (EXTRA PT.) *			
Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr	Location Or Point ID	Contact Shielded Reading µR/hr	One Meter Shielded Reading µR/hr	One Meter Unshielded Reading µR/hr
WDA 242	320	200	300	WDA 245			
WDA 243	160	160	300	+29' E	130	130	240
WDA 244	300	290	440	WDA 249			
WDA 245	205	165	290	+35' N	430	360	600
WDA 246	140	135	235	WDA 261			
WDA 247	150	150	245	+55' E	70	73	139
WDA 248	35	45	105				
WDA 249	55	70	190				
WDA 250	120	115	235	WDA 248			
WDA 251	150	145	295	+48' N	200	145	250
WDA 252	230	230	370	WDA 250			
WDA 253	90	85	165	+34' N	260	250	440
WDA 254	125	120	210	WDA 251			
WDA 255	70	70	140	+5' N	280	210	340
WDA 256	135	100	170	WDA 257			
WDA 257	115	140	280	+20' N	430	410	700
WDA 258	115	105	185				
WDA 259	105	105	190				
WDA 260	195	165	250				
WDA 261	100	90	150				
WDA 262	100	90	170				
WDA 263							

Comment: * The above are new stake setup / ID from the original survey stake to be within the side or top of the pile (distance from the original survey stake point are approximated).

Measurement was not taken on WDA 263 due to an oversight and will be taken later on.

United Nuclear Corporation: Outdoor Gamma Ray Exposure Rate Survey Data Sheet

Survey Crew: MAX CHISCHILLY JR.
RONALD SAM
LUOLUVM

Sheet: _____ Of _____ Page _____
Date: 4-25-06, 4-26-06, 4-27-06 & 5-3-06

Instr. Type/Serial No.: 19/9180
And Calibration Due Date: 1-18-07

Site ID: ST ANTHONY MINE
Avg. Bkgd. Exposure Rate Reading ($\mu\text{R/hr}$): _____

AREA: WEST DISTURBANCE AREA				AREA: WEST DISTURBANCE AREA (EXTRA PT.) *			
Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$	Location Or Point ID	Contact Shielded Reading $\mu\text{R/hr}$	One Meter Shielded Reading $\mu\text{R/hr}$	One Meter Unshielded Reading $\mu\text{R/hr}$
WDA 242	320	200	300	WDA 245			
WDA 243	160	160	300	+29' E			
WDA 244	300	290	440	WDA 249			
WDA 245	205	165	290	+35' N			
WDA 246	140	135	235	WDA 261			
WDA 247	150	150	245	+55' E			
WDA 248	35	45	105				
WDA 249	55	70	190				
WDA 250	120	115	235	WDA 248			
WDA 251	150	145	295	+48' N			
WDA 252	230	230	370	WDA 250			
WDA 253	90	85	165	+34' N			
WDA 254	125	120	210	WDA 251			
WDA 255	70	70	140	+5' N			
WDA 256	135	100	170	WDA 257			
WDA 257	115	140	280	+20' N			
WDA 258	115	105	185				
WDA 259	105	105	190				
WDA 260	195	165	250				
WDA 261	100	90	150				
WDA 262	100	90	170				
WDA 263							

Comment: _____

