

Generic ALARA Evaluation Comparison Worksheet

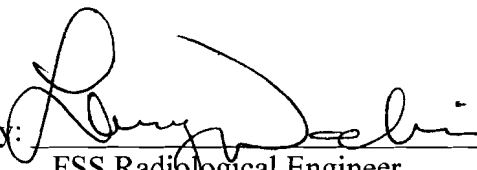
Survey Area: <u>NOL-05</u>		Survey Unit: <u>01</u>	
Reference Generic ALARA Evaluation No.: <u>YA-REPT-00-003-05</u>			
Applicable Generic ALARA AL: <u>165</u>			
Radionuclide	Average Concentration	DCGL	fraction DCGL
1. <u>Co-60</u>	<u>0.04</u>	<u>1.4</u>	<u>0.03</u>
2. <u>Cs-137</u>	<u>0.11</u>	<u>3.0</u>	<u>0.04</u>
3. <u>Ag-108m</u>	<u>0.016</u>	<u>2.5</u>	<u>0.006</u>
4. _____	_____	_____	_____
$\Sigma(\text{fraction DCGL}) =$			<u>0.076</u>


If the $\Sigma(\text{fraction DCGL}) <$ the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.

Check one:

X Generic ALARA AL **IS** satisfied.

_____ Generic ALARA AL **IS NOT** satisfied.

Prepared by:  Date: 5/18/06
FSS Radiological Engineer

Reviewed by:  Date: 5/18/06
FSS Project Manager

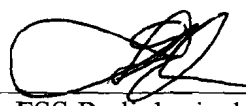
Generic ALARA Evaluation Comparison Worksheet

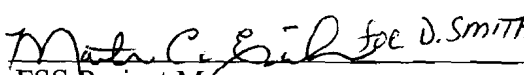
Survey Area: NOL-05 Survey Unit: 02
 Reference Generic ALARA Evaluation No.: YA-REPT-00-003-05
 Applicable Generic ALARA AL: 165

Radionuclide	Average Concentration	DCGL	fraction DCGL
1. <u>Co-60</u>	<u>0.22</u>	<u>1.4</u>	<u>0.16</u>
2. <u>Cs-137</u>	<u>0.09</u>	<u>3</u>	<u>0.03</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
$\Sigma(\text{fraction DCGL}) =$			<u>0.19</u>

If the $\Sigma(\text{fraction DCGL}) <$ the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.

Check one:
 Generic ALARA AL **IS** satisfied.
 Generic ALARA AL **IS NOT** satisfied.


Prepared by:  Date: 11/29/05
 FSS Radiological Engineer

Reviewed by:  for D. SMITH Date: 12/5/05
 FSS Project Manager

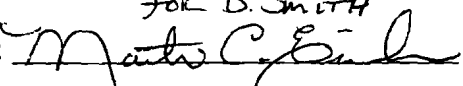
ALARA Analysis Worksheet

11. Decision Criteria: If the sum of the DCGL fractions $< AL$, then additional remediation is not cost beneficial. If the sum of the fractions $> AL$, then additional remediation is cost beneficial.

Check one: Additional remediation **IS NOT** cost beneficial **Y**
Additional remediation **IS** cost beneficial _____

Prepared by:  _____
FSS Radiological Engineer

Date: 11/29/05

Independent Review by: ^{for D. Smith}  _____
FSS Project Manager/ Radiation Protection Manager

Date: 12/5/05