

### 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>

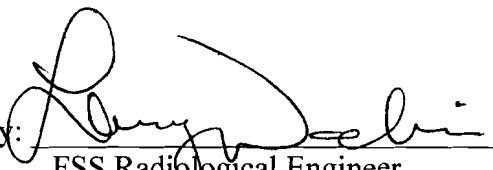
If the  $\Sigma(\text{fraction DCGL}) < \text{the generic ALARA AL}$ , then the generic ALARA evaluation is applicable to the survey unit.


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: \_\_\_\_\_



FSS Radiological Engineer

Date: \_\_\_\_\_

11/29/05

Reviewed by: \_\_\_\_\_

M. C. Smith for D. Smith  
FSS Project Manager


Date: \_\_\_\_\_

12/5/05

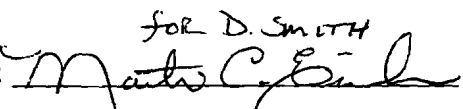
ALARA Analysis Worksheet

**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: <sup>for D. Smith</sup>   
FSS Project Manager/ Radiation Protection Manager

Date: 12/5/05