

Generic ALARA Evaluation Comparison Worksheet

Survey Area: 00L-05 Survey Unit: 01
 Reference Generic ALARA Evaluation No.: YA-REPT-00-003-05
 Applicable Generic ALARA AL: 165

	Radionuclide	Average Concentration	DCGL*	fraction DCGL
1.	<u>Cs-137</u>	<u>43.0 pCi/g</u>	<u>8.2</u>	<u>0.37</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____

Σ(fraction DCGL) = 0.37

*DCGL used in generic ALARA Eval.

If the Σ(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: J. Hummer Date: 4/12/05
 FSS Radiological Engineer

Reviewed by: David C Smith Date: 6/2/05
 FSS Project Manager/Radiation Protection Manager

Generic ALARA Evaluation Comparison Worksheet

Survey Area: <u> OOL-05 </u>		Survey Unit: <u> 03 </u>	
Reference Generic ALARA Evaluation No.: <u> YA-REPT-00-003-05 </u>			
Applicable Generic ALARA AL: <u> 165 </u>			

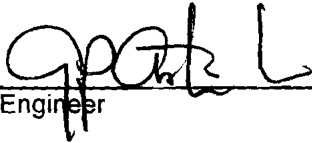
	Radionuclide	Average Concentration	DCGL	fraction DCGL
1	<u> Cs-137 </u>	<u> 0.0285 </u>	<u> 3 </u>	<u> 9.50E-03 </u>
2	<u> </u>	<u> </u>	<u> </u>	<u> </u>
3	<u> </u>	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>	<u> </u>
			$\Sigma(\text{fraction DCGL}):$	<u> 9.50E-03 </u>

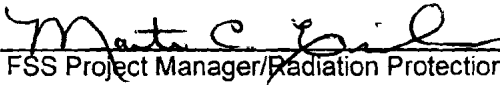
If the $\Sigma(\text{fraction DCGL}) <$ the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.

Check one:

Generic ALARA AL **IS** satisfied.

Generic ALARA AL **IS NOT** satisfied.

Prepared by: G. P. Astraukas  Date: 8/28/2006
FSS Radiological Engineer

Reviewed by:  Date: 8/29/06
FSS Project Manager/Radiation Protection Manager

Generic ALARA Evaluation Comparison Worksheet

Survey Area: <u> OOL-05 </u>		Survey Unit: <u> 05 </u>	
Reference Generic ALARA Evaluation No.: <u> YA-REPT-00-003-05 </u>			
Applicable Generic ALARA AL: <u> 165 </u>			
	Radionuclide	Average Concentration	DCGL
1	<u> Cs-137 </u>	<u> 0.0292 </u>	<u> 3 </u>
2	<u> </u>	<u> </u>	<u> </u>
3	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>
			Σ (fraction DCGL): <u> 9.73E-03 </u>
<p>If the Σ(fraction DCGL) < the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.</p> <p>Check one:</p> <p><input checked="" type="checkbox"/> Generic ALARA AL IS satisfied.</p> <p><input type="checkbox"/> Generic ALARA AL IS NOT satisfied.</p>			
Prepared by:	<u> J. W. Bisson </u> <i>[Signature]</i> FSS Radiological Engineer		Date: <u> 7/5/2006 </u>
Reviewed by:	<u> </u> <i>[Signature]</i> FSS Project Manager/Radiation Protection Manager		Date: <u> 7/21/06 </u>

Generic ALARA Evaluation Comparison Worksheet

Survey Area: OOL-05 Survey Unit: 06

Reference Generic ALARA Evaluation No.: YA-REPT-00-003-05

Applicable Generic ALARA AL: 165

Radionuclide	Average Concentration	DCGL	fraction DCGL
1. <u>Cs-137</u>	<u>0.03 pCi/g</u>	<u>3.0 pCi/g</u>	<u>0.01</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
$\Sigma(\text{fraction DCGL}) =$			<u>0.01</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: *[Signature]* Date: 7/24/06
 FSS Radiological Engineer

Reviewed by: *[Signature]* Date: 7/21/06
 FSS Project Manager

Generic ALARA Evaluation Comparison Worksheet

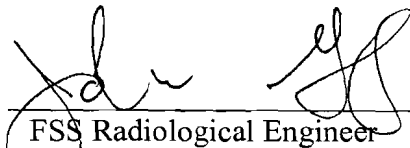
Survey Area: OOL-05 Survey Unit: 07
 Reference Generic ALARA Evaluation No.: YA-REPT-00-003-05
 Applicable Generic ALARA AL: 165


Radionuclide	Average Concentration	DCGL	fraction DCGL
1. <u>Co-60</u>	<u>0.073</u>	<u>1.4</u>	<u>0.052</u> ✓
2. <u>Cs-137</u>	<u>0.222</u>	<u>3.0</u>	<u>0.074</u> ✓
3. _____	_____	_____	_____
4. _____	_____	_____	_____
$\Sigma(\text{fraction DCGL}) =$			<u>0.126</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.

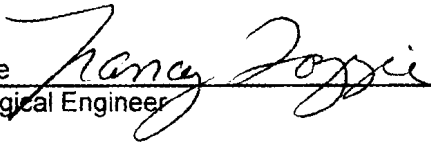
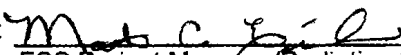
Prepared by:  Date: 4/24/06
 FSS Radiological Engineer

Reviewed by:  Date: 8/29/06
 FSS Project Manager

Generic ALARA Evaluation Comparison Worksheet

Survey Area: <u>OOL-05</u>		Survey Unit: <u>08</u>	
Reference Generic ALARA Evaluation No.: _____		<u>YA-REPT-00-003-05</u>	
Applicable Generic ALARA AL: _____		<u>165</u>	
	Radionuclide	Average Concentration	DCGL
1	<u>Cs-137</u>	<u>0.0292</u>	<u>3</u>
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
			$\Sigma(\text{fraction DCGL}):$ <u>9.73E-03</u>
<p>If the $\Sigma(\text{fraction DCGL}) <$ the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.</p> <p>Check one:</p> <p><input checked="" type="checkbox"/> Generic ALARA AL IS satisfied.</p> <p><input type="checkbox"/> Generic ALARA AL IS NOT satisfied.</p>			
Prepared by: <u>J. W. Bisson <i>JWB</i></u>		Date: <u>7/20/2006</u> ²⁵ <i>JWB</i>	
FSS Radiological Engineer			
Reviewed by: <u><i>M. T. C. [Signature]</i></u>		Date: <u>9/8/06</u>	
FSS Project Manager/Radiation Protection Manager			

Generic ALARA Evaluation Comparison Worksheet

Survey Area: <u> OOL-05 </u>		Survey Unit: <u> 09 </u>	
Reference Generic ALARA Evaluation No.: <u> YA-REPT-00-003-05 </u>			
Applicable Generic ALARA AL: <u> 165 </u>			
	Radionuclide	Average Concentration	DCGL
1	<u> Cs-137 </u>	<u> 0.0291 </u>	<u> 3 </u>
2	<u> </u>	<u> </u>	<u> </u>
3	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>
		$\Sigma(\text{fraction DCGL}):$	<u> 9.70E-03 </u>
<p>If the $\Sigma(\text{fraction DCGL}) <$ the generic ALARA AL, then the generic ALARA evaluation is applicable to the survey unit.</p> <p>Check one:</p> <p><input checked="" type="checkbox"/> Generic ALARA AL IS satisfied.</p> <p><input type="checkbox"/> Generic ALARA AL IS NOT satisfied.</p>			
Prepared by: <u> Nancy Tozzie </u>		Date: <u> 8/2/2006 </u>	
 FSS Radiological Engineer			
Reviewed by: <u> Matt C. Hill </u>		Date: <u> 9/8/06 </u>	
 FSS Project Manager/Radiation Protection Manager			

Generic ALARA Evaluation Comparison Worksheet

Survey Area: <u> OOL-05 </u>		Survey Unit: <u> 10 </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> Cs-137 </u>	<u> 0.0291 </u>	<u> 3 </u>	<u> 9.70E-03 </u>
2	<u> </u>	<u> </u>	<u> </u>	<u> </u>
3	<u> </u>	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>	<u> </u>
			Σ (fraction DCGL):	<u> 9.70E-03 </u>

If the Σ (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: Nancy Tozzie *Nancy Tozzie* Date: 8/2/2006
FSS Radiological Engineer

Reviewed by: *Monte C. Smith* Date: 9/8/06
FSS Project Manager/Radiation Protection Manager