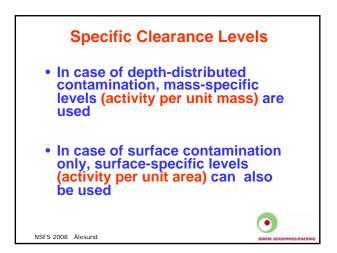
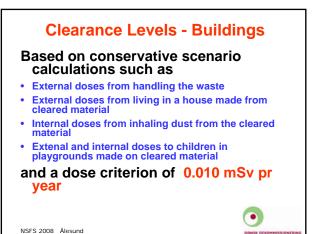
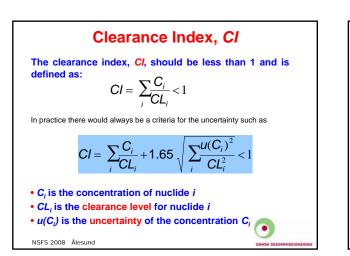


Example Surface-specific Clear	es on Clearance Levels (CL) ance Levels Mass-specific Clearance Levels
Item	
Solid materials and objects	RS-G-1.7/ RP-113(EU)
Buildings (reuse)	RP 113 (EU)
Land	????
Land	????
NSFS 2008 Ålesund	DRNSK DEKOMMISSIONER



Radionuclide	Mass-specific Clearance Levels (RS-G-1.7) [Bq/g]	Surface-specific Clearance Levels (RP 113) [Bq/cm <sup>2</sup> ]
<sup>55</sup> Fe	1,000	10,000
<sup>3</sup> H, <sup>63</sup> Ni	100	10,000
<sup>235</sup> U, <sup>238</sup> U	1	1
<sup>60</sup> Co, <sup>137</sup> Cs, <sup>152</sup> Eu	0.1	1
<sup>239</sup> Pu	0.1	0.1







"Surfac	ernal exposur	ce Levels - Land e ving an effective dose of 0.01 mSv 000 m <sup>2</sup> , 1 m above ground-level	/year
	Radionuclide	"Surface-contamination" [Bq/m <sup>2</sup> ]	
	<sup>60</sup> Co	2.7 · 10 <sup>3</sup>	
	<sup>65</sup> Zn	1.1 · 10 <sup>₄</sup>	
	<sup>106</sup> Ru/Rh	3.2 · 10 <sup>4</sup>	
	<sup>134</sup> Cs	4.4 · 10 <sup>3</sup>	
	<sup>137</sup> Cs	1.1 · 10 <sup>4</sup>	
NSFS	2008 Ålesund	Dates	

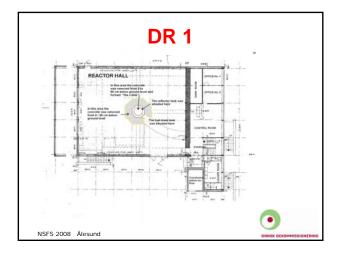
## **Clearance Levels - Land**

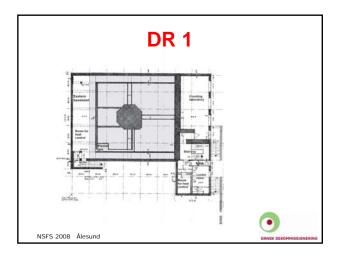
Internal exposure "Surface-contamination" giving an effective dose of 0.01 mSv/year

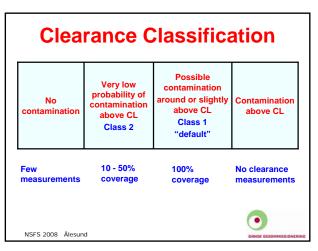
Radionuclide	"Surface-contamination"
	[Bq/m <sup>2</sup> ]
<sup>60</sup> Co	5.7 · 10 <sup>5</sup>
<sup>90</sup> Sr	1.1 · 10 <sup>4</sup>
<sup>137</sup> Cs	1.6 · 10 <sup>4</sup>
<sup>152/154</sup> Eu	5.7 · 10 <sup>6</sup>
<sup>239</sup> Pu	1.9 · 10 <sup>5</sup>
<sup>239</sup> Pu	1.9 · 10°

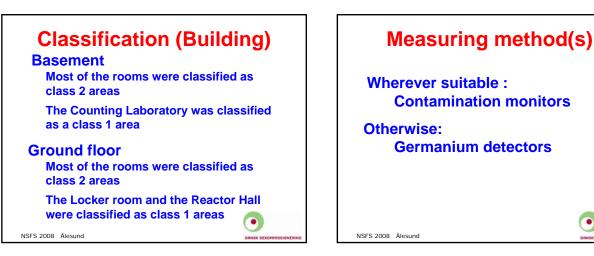
NSFS 2008 Ålesund

Clearan	ce Levels – Land	d
Calculate	d - Based on 0.01 mSv/year	
Calculate	u - Daseu on 0.01 mov/year	
	Clearance Levels	
Radionuclide	[Bq/m <sup>2</sup> ]	
<sup>60</sup> Co	5.7 · 10 <sup>5</sup>	
<sup>90</sup> Sr	1.1 · 10 <sup>4</sup>	
<sup>137</sup> Cs	1.6 · 10 <sup>4</sup>	













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