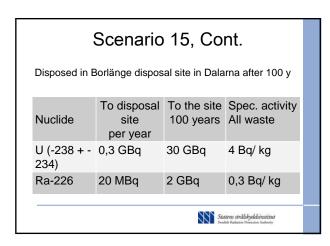
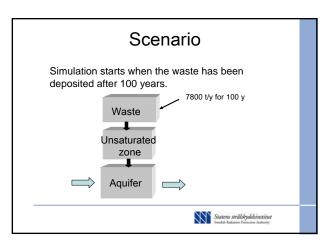
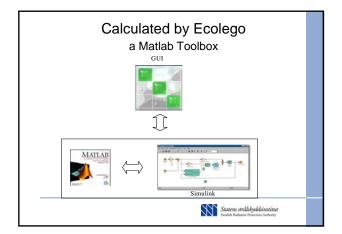


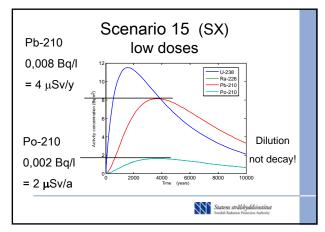
Scenario 15 - disposal						
Quantity	Measured or assumed	Source	Comments			
No of drilled wells in the county	13 000	SGU				
Percentage using wells	10%	SCB No of households per cap.	13 000 households			
Fraction with filter	~10%	SSI	In Dalarna 2 of 56 wells = 4% of 13000= 520			
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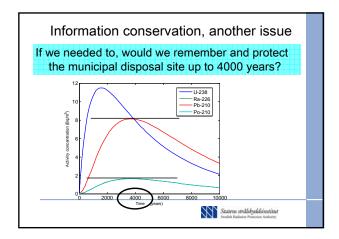
Scenario 15, cont.					
Activity per year to the disposal facility					
Nuclide	Water conc.	Deposited			
U (-238 and - 234)	1,4 Bq/l	0,3 GBq			
Ra-226	0,1 Bq/l	20 MBq			
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Conclusions

- Leakage from the disposal to a drinking well does not constitute a problem from the radiation protection point of view
- Intrusion exposure scenarios for municipal disposal sites give higher doses than drinking well scenarios
- Information conservation = optimization = "Have I done all I can to limit doses?" (ICRP). (International archive related to the information delivered under the waste convention?)

Observe that

- Back flushing of filters is diluting OK for NORM?
- Other radioactive waste (incl. NORM) currents may occur to the same disposal site