

## SKB TR-14-08

# Handling of future human actions in the safety assessment SR-PSU

In the earlier distributed report, there are errors that now have been corrected. The changes are listed in the table below. An updated pdf version of the report, with the table printed on the back of the title page, can be found at [www.skb.se/publications](http://www.skb.se/publications).

### Updated 2015-10

Location	Original text	Corrected text
Page 18, Section 2.2, paragraph 4	...SSMFS 2008:21, where it is stated that that: <i>impact of future human activities, such as damage inflicted on the repository barriers, should be included in the category "less probable scenarios" (SSM 2008a).</i>	...SSMFS 2008:21, where it is stated that less probable scenarios should include: <i>"scenarios that take into account the impact of future human activities, such as damage inflicted on barriers" (SSM 2008a).</i>
Page 19, paragraph 3	...SSMFS 2008:37 states that " <i>...the consequences of the disturbance of the repository's protective capability should be illustrated by calculations of the doses for individuals in the most exposed group, and reported separately apart from the risk analysis for the undisturbed repository...</i> "	...SSMFS 2008:37 states that " <i>The consequences of the disturbance for the repository's protective capability should be illustrated by calculations of the doses for individuals in the most exposed group and be reported separately from the risk analysis for the undisturbed repository.</i> "
Page 19, paragraph 3	...SSMFS 2008:21 it is stated " <i>...cases to illustrate damage to humans intruding into the repository...</i> " should be...	...SSMFS 2008:21 it is stated " <i>...cases to illustrate detriment to humans intruding into the repository...</i> " should be...

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# Errata to SKB TR-14-08 2015-10

## Updated 2015-10, continued

Location	Original text	Corrected text
Page 41, paragraph 2 and 3	This is in line with the general guidelines to the regulations SSMFS 2008:37 (SSM 2008b), where it is stated that: <i>"A number of scenarios for inadvertent human impact on the repository should be presented. The scenarios should include a case of direct intrusion in connection with drilling in the repository...."</i> , <i>"....a set of stylised scenarios. i.e. it is impossible to foresee all future human actions."</i>	This is in line with international recommendations and the general guidelines to the regulations SSMFS 2008:37 (SSM 2008b). SSMFS 2008:37 states that: <i>"A number of future scenarios for inadvertent human impact on the repository should be presented. The scenarios should include a case of direct intrusion in connection with drilling in the repository...."</i> IAEA, ICRP and NEA have all recommended that one or more stylised scenarios be developed to demonstrate the robustness of the disposal system rather than speculating about all types of inadvertent intrusion that could possibly occur and e.g. ICRP Publication 81 (ICRP 1998) states: <i>"Because the occurrence of human intrusion cannot be totally ruled out, the consequences of one or more typical plausible stylised intrusion scenarios should be considered by the decision-maker to evaluate the resilience of the repository to potential intrusion."</i>
Page 48, Table 5-7, Mo-93, all columns	9,48E+09 3,97E-01 7,89E+08 6,12E-02 4,24E+09 2,39E-01 3,80E+07 6,71E-03	1.96E+10 8.20E-01 1.46E+09 1.13E-01 4.52E+09 2.54E-01 1.01E+08 1.79E-02
Page 52, Table 5-8	Wrong data used in table	Table updated with correct data
Page 55, Table 5-9	Wrong data used in table	Table updated with correct data
Page 58, Table 5-10	Wrong data used in table	Table updated with correct data
Page 58, Figure 5-5	Wrong data used in figure	Figure updated with correct data
Page 59, Figure 5-6 a and d	Wrong data used in figure	Figure updated with correct data