Öppen

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Errata till rapporter som ingår i ansökan – Hantering och slutförvaring av använt kärnbränsle

Sedan ansökan om tillstånd enligt miljöbalken – Hantering och slutförvaring av använt kärnbränsle lämnades in den 16 mars 2010 har en del mindre tryckfel upptäckts i rapporter som ingår i ansökansmaterialet. De rapporter där felaktigheter hittats har löpande uppdaterats med erratablad, uppdateringarna publiceras också under publikationer på www.skb.se.

Nedan anges de i ansökan ingående rapporter som hittills uppdaterats med erratablad:

- TR-11-01 Volym I errata 2011-10, errata 2011-12, errata 2012-12
- TR-11-01 Volym II errata 2011-10, errata 2011-12, errata 2012-12
- TR-11-01 Volym III errata 2011-10, errata 2012-12

Errata för dessa rapporter bifogas.

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Update notice

The original report, dated March 2011, was found to contain both factual and editorial errors which have been corrected in this updated version. The corrected factual errors are presented below.

Updated 2011-10

Location	Original text	Corrected text
Page 38, paragraph 4 from bottom	...value below background radiation.	...value below 1 mSv/hour.
Page 67, paragraph 4	...in the scenario selection in a....	...in the scenario analyses in a....
Page 67, paragraph 5	This is described briefly in Section 6.2.1 and in more detail when applied in the scenario selection, Chapter 11 and the analysis of FHA scenarios, Section 14.2.	This is described in the analysis of FHA scenarios, Section 14.2.
Page 97, paragraph 3, line 3	...in Chapter 13.	...in Chapter 11.
Page 111, text to figure 4-8, last line	...of the target area,	...of the candidate area,
Page 168, Table 5-8	Wrong data in table	Table updated with correct data
Page 186, Table 5-15, column 1	(mm)	(m)
Page 245, Table 7-7, column 3	FARF31	FARF31, MARFA
Page 246, Table 7-8, column 3	DarcyTools	PhreeqC
Page 246, Table 7-8, column 3	DarcyTools	ConnectFlow
Page 246, Table 7-8, column 3	FARF31	FARF31, MARFA
Page 259, paragraph 2, last sentence	...material properties of these components, (see Section 5.5.3 and, for details, /Karnland et al. 2006/) and since, in particular for the backfill, alternative materials are to be evaluated in the assessment, no specific criterion is given here.	...material properties of these components (see Section 5.5.3 and, for details, /Karnland et al. 2006/).
Page 269, Figure 8-4	Arrow from box “Rock stresses” to “Shear at deposition hole?”	Figure 8-4 updated Arrow from box “Fracture structure in host rock” to “Shear at deposition hole?”.

Updated 2011-12

Location	Original text	Corrected text
Page 179, Figure 5-11	Width of pellet filled gap 60 mm	Figure 5-11 updated Width of pellet filled gap 50 mm

Updated 2012-12

Location	Original text	Corrected text
Page 58, paragraph 1, line 4	...Canister production report /SKB 2010a/, see...	...Canister production report, see...
Page 246, Table 7-8, column 5	SKB 2006	SKB 2006c

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Location	Original text	Corrected text
Page 294, paragraph 1, line 7	Chapter 4	Chapter 5
Page 318, paragraph 4 last line	Section 15.4	Section 15.5
Page 330, last paragraph	...and generic stress-transmissivity models,	...and fracture normal stiffness data given in the **Data report,**
Page 334, Figure 10-21, last line in figure text	Figur 6-18	Figur 6-21
Page 337, paragraph 8, last line	Section 15.4.	Section 15.5.15
Page 347, Figure 10-31	$\log_{10}$ m(Fr) (yrs/m)	Figure 10-31 updated $\log_{10}$ (Fr) (yrs/m)
Page 389, second last paragraph, last line	Section 10.3.10.	Section 10.3.11.
Page 417, paragraph 2, line 1	According to the maximum chloride concentration of any time frame is < 0.4 M in the Forsmark groundwater.	According to Table 10-6, the maximum chloride concentration of any time frame is < 0.4 M at repository level in the Forsmark groundwater
Page 424, paragraph 2, line 1	...the initial thermal period,	...the initial temperate period,
Page 424, paragraph 3, line 1	...during the thermal period.	...during the temperate period.
Page 430, paragraph 1, line 8	Section 15.4	Section 15.5.15
Page 430, paragraph 5, last line	Section 15.4.	Section 15.5.15.
Page 436, paragraph 9, line 3	...erosion, few, if any, deposition holes will reach advective...	...erosion, no deposition holes will reach advective conditions...
Page 436, paragraph 10, line 5	...could be lost,	... could be lost in a million year perspective,
Page 454, second last paragraph, last line	Section 3.4.1	Section 10.4.1
Page 459, paragraph 1, line 5	...in the range 40-45 GPa, presented in the Site description, the results...	...in the range 40-45 GPa, suggested to be valid for large scale models of the bedrock surrounding the Forsmark site, the results...
Page 463, paragraph 3, line 1	...hydraulic jacking is...	...hydraulic jacking in front of an advancing ice sheet is...
Page 512, last paragraph, line 2	...network of deformation zones.	...network of fractures.
Page 525, paragraph 1, line 1 and 2	...during the advance or retreat of an ice sheet in highly transmissive deformation zones cannot be discarded.	...in highly transmissive deformation zones during the advance or retreat of an ice sheet cannot be discarded.
Page 526, last paragraph, line 7	Furthermore, the backfill	Furthermore, the repository closure, which, in accordance with the reference design, is similar to the backfill in the deposition tunnels,
Page 529, paragraph 3, last line	...canister integrity	...canister integrity since no deposition holes will be located there.
Page 537, paragraph 5, line 1	...buffer swelling pressure is sufficiently high around a canister.	....buffer density is high.
Page 537, paragraph 5, line 3	...density range, the swelling pressure criterion is judged to be fulfilled with ample margin, also for groundwater salinities that can be expected during the reference glacial cycle, see Section 10.4.8.	...density range, this safety function is fulfilled.
Page 537, paragraph 5, line 6	For a deposition hole that has experienced loss of buffer mass due to erosion/colloid release and to the extent that advective conditions prevail, this safety function can, however, not be guaranteed.	For a deposition hole that has experienced substantial loss of buffer mass due to erosion/colloid release, this safety function can, however, not be guaranteed.
Page 538, paragraph 6, last line	...estimated to be 43 MPa.	...estimated to be 43.5 MPa.

Updated 2011-10 continued

Location	Original text	Corrected text
Page 538, last paragraph, last line	...safety function R3a...	...safety function R3b...
Page 540, paragraph 4 (c), line 2	...periods of glacial conditions...	...periods of temperate and glacial conditions...
Page 541, paragraph 6, line 1	...preliminary quantitative evaluations...	...quantitative evaluations...
Page 542, paragraph 1, line 1	...the buffer swelling pressure is high.	...the buffer density is high.
Page 542, paragraph 1, line 2	...buffer density, the swelling pressure criterion is fulfilled with ample margin, also for groundwater salinities that can be expected during the assessment period, see Section 10.4.8.	...buffer density, this safety function is fulfilled.
Page 542, paragraph 1, line 5	…experienced loss of buffer mass due to erosion/colloid release and to the extent that advective conditions prevail, this safety function can, however, not be guaranteed.	...experienced substantial loss of buffer mass due to erosion/colloid release, this safety function can, however, not be guaranteed.
Page 542, paragraph 5, line 2	...with ample margin for the reference glacial cycle.	...with ample margin.
Page 543, paragraph 4	Between zero and two canisters....	On average less than one canister...
Page 548, paragraph 1, line 1	...and towards the South-East of the candidate repository	...and south-east of the candidate repository
Page 548, paragraph 3, line 3	...less than 200 mg/L	...less than 200 µg/L

Updated 2011-12

Location	Original text	Corrected text
Page 403, last paragraph, line 6	...time, four tunnel intersecting...	...time, five tunnel intersecting...
Page 403, last paragraph, line 11	...only four positions...	...only five positions...
Page 403, Figure 10-73	300 tonnes in 25 % of 1,000,000 years 300 tonnes in 100 % of 1,000,000 years	Figure 10-73 updated 220 tonnes in 25 % of 1,000,000 years 220 tonnes in 100 % of 1,000,000 years

Updated 2012-12

Location	Original text	Corrected text
Page 383, Table 10-4 heading text	/Åkesson et al. 2010/.	/Åkesson et al. 2010a/.

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Location	Original text	Corrected text
Page 594, paragraph 6, heading	Quantitative consequence analysis/discussion – containment and retardation	Quantitative consequence analysis/ discussion
Page 596, paragraph 5, line 6	...criterion of 1 MPa, which is most unlikely.	...criterion of 1 MPa, where advection conditions need to be considered, which is most unlikely.
Page 638, paragraph 2, last line	...in the central corrosion case (see Section 13.5.4).	...in e.g. the corrosion scenario (see Section 13.5.4).
Page 640, paragraph 1, line 1	In the central corrosion case,...	In e.g. the central corrosion case,...
Page 654, paragraph 2, line 1	The handling assumes...	The handling of pulse releases assumes...
Page 743, second last paragraph, line 2 and 3	...as SSI in the general guidelines to their regulations /SSI 2008b/	...as SSM in the general guidelines to their regulations /SSM 2008b/
Page 744, last paragraph, line 1	/SKI 2002/.	/SSM 2008a/.
Page 746, paragraph 6, line 1	Can1, Ensure containment	Can1, Provide corrosion barrier; ensure containment
Page 748, paragraph 1, line 4	...is calculated to be 500 mSv/hour...	...is calculated to be 130 mSv/hour...
Page 748, last paragraph, last line	...would be about 15 mSv/hour.	...would be about 4 mSv/hour.
Page 751, second last paragraph, line 3	After a couple of hours of exposure	After about eight hours of exposure
Page 755, paragraph 4, line 2	/SKI 2002/.	/SSM 2008a/.
Page 755, paragraph 5, line 2	Can1, Ensure containment	Can1, Provide corrosion barrier; ensure containment
Page 755, paragraph 5, line 5	Bf1	BF1
Page 760, Figure 14-5	Positive powers of y-axis	Figure 14-5 updated Negative powers of y-axis
Page 770, paragraph 1, line 1	The travel paths of solutes...	The length of the travel paths of solutes...
Page 810, paragraph 4, line 2	...travel paths of solutes in the groundwater will increase with...	...length of the travel paths of solutes in the groundwater will increase with...
Page 873, under heading A1.2, paragraph 1, line 3	(SSMFS 2002:1)	(SSMFS 2008:21)

Updated 2012-12

Location	Original text	Corrected text
Page 664, paragraph 4		Text in paragraph 4 updated
Page 665, all text and figure 13-20		All text and figure 13-20 updated, last paragraph is new
Page 666, paragraph 1		New paragraph
Page 723, paragraph 2, line 1	/SKB 2006g, h/	/SKB 2006g, a/
Page 723, Table 13-1, heading	/SKB 2006g, h/.	/SKB 2006g, a/.
Page 730, paragraph 2, line 2	/Bond et al. 2007/	/Bond et al. 1997/
Page 846		*New reference*: Bradbury and Baeyens, 2005
Page 847		*New reference*: Bäckblom et al. 2004