LLR.20080328.0002

YMP	Mode Error Resolution Complete only appli	QA: QA Page 1 of 2			
	INITIATIC	DN			
1. Originator: Maryla A. Wasiolek	2. Date: 3/27/2008	3. ERD M MDL-MG	3. ERD No. MDL-MGR-MD-000001 ERD 01		
4. Document Identifier: MDL-MGR-MD-000001 REV 02	5. Documen Biosphere M	5. Document Title: Biosphere Model Report			
3. Description of and Justification	on for Change (Identify applicable	CRs and TBVs):			
This ERD addressed TBV-852	9 and CR-11638.				
n regard to TBV-8529:					
2008 [DIRS 179476]) and FEP a Model Report refers to the scree This information that is now incl 183041]). Inputs and/or Software—No a	analyses (ANL-WIS-MD-000027) (ening arguments for excluded FEP uded in the <i>Analyses</i> part of the Fl dditional inputs or software were u	SNL 2008 [DIRS 183041] Ps and description of TSP EP document (ANL-WIS- used in performing the imp	J). The citation in <i>Biosphere</i> A disposition for included FEPs. MD-000027) (SNL 2008 [DIRS pact assessment.		
Description of Changes—The hrough):	following is the description of chai	nges (added text is under	nined; deleted text is stricken		
 In Section 6.2: The ass Assessment: <u>Analyses</u> FEPs and describes dis 	ociated document, Features, Even (SNL 2007 2008 [DIRS 179476 18 sposition of included FEPs in the d	nts, and Processes for the <u>33041]</u>) contains the scree locumentation that support	e Total System Performance ening arguments for excluded rts the biosphere model.		
 In Section 6.2: The rep <u>Analyses</u> (SNL 2007 20 biosphere-related FEPs 	ort Features, Events, and Process <u>108</u> [DIRS 179476 <u>183041]</u>) presen s from consideration in the biosphe	ses for the Total System F nts screening arguments ere model.	Performance Assessment: for excluding 19 of the		
 In Section 9, Reference reference (SNL 2008 F ANL-WIS-MD-000027 F 	es, reference designated as [DIRS eatures, Events, and Processes for REV 00. Las Vegas, Nevada: Sand	179476] should be replace for the Total System Perfor dia National Laboratories.	ced with the [DIRS 183041] mance Assessment: Analyses. ACC: DOC.20080307.0003).		
Impact Evaluation—The reference data or other information was ob on the conclusions of <i>Biosphere</i> <i>Assessment.</i> (Continued on next page)	nce to the FEP document in <i>Biosp</i> ptained from that source so the cha Model Report, on Safety Analysis	ohere Model Report is a g anges outlined in the follo s Report, or the results of	eneral reference. No actual wing paragraph have no impact the <i>Total System Performance</i>		
	CONCURRE	NCE			
	Printed Name	Signature	Date Date		
7. Checker	Kenneth Rehfelut	Kenneth My	helet 03/27/2008		
3. QCS/QA Reviewer	Charles D. Beach APPROV.	Charles P.	Search 3-27-08		
9. Originator	MARYLA WASIDLE	K Mousle 1	piolo 3.27.08		

.	Error I	Model Resolution Document		QA: QA Page 2 of 2	
		INITIATION			
1. Originator: Maryla A. Wasiolek	2. 3/1	Date: 3. ERD 9/2008 MDL-M0		No. 3R-MD-000001 ERD 01	
4. Document Identifier: MDL-MGR-MD-000001 REV 02		5. Document Title: Biosphere Model Report			
 Background Information—CR Biosphere Model Report: 1. On page 6-106, the first full page 6-106 that though the r 3 × 10⁻⁴ to 3 × 10⁻¹ was used 2. On page 6-162. After Equat Equation 6.5.6-2, the variable "D_{inh,p,i}(t, T)". Inputs and/or Software—No a Description of Changes—To r 	2-11638, Level D, wa paragraph, the value e range of velocity is ange of 5 × 10 ⁻⁴ to 3 I in the Biosphere M ion 6.5.6-2, the defin e name is listed as ' dditional inputs or s resolve CR-11638, t ed text is stricken th	as initiated concerr es of dry deposition s given as 3 × 10 ⁻⁴ 3 × 10 ⁻² m/s is supp odel. nitions of the variat 'D _{inh,p,i} (t)" which is i oftware were used he text changes de rough.)	ing the following two velocity are given as to 3 × 10 ⁻¹ . The reco ported by an appropria ples are given. For th ncorrect. The variable in performing the imp scribed in the followir	discrepancies found in $5"5 \times 10^{-4}$ to 3×10^{-2} m/s". In mmended fix is to explain on ate reference, a larger range of e first definition given after le name should be replaced with pact assessment. In g paragraph are made.	
Added text is underlined; delete					
(Added text is underlined; delete On page 6-106, first full paragra	iph:				
Added text is underlined; delete On page 6-106, first full paragra The dry deposition velocity atmospheric boundary layer velocity ranges from 5-×-10 ⁻⁴	iph: ⁷ for airborne parti ⁶ near the soil surfi ¹ to 3 × 10⁻² 3 × 10⁻⁴	culates, <i>V_d,</i> is a ace. For climatic to 3 × 10 ⁻¹ m/s (BS	function of particle conditions in the Ar SC 2004 [DIRS 16967	size and the conditions in the nargosa Valley, the appropriate 72], Section 6.2.2.1).	
Added text is underlined; delete On page 6-106, first full paragra The dry deposition velocity atmospheric boundary layer velocity ranges from 5 × 10⁻⁴ On page 6-162, in definitions of	oph: for airborne parti near the soil surf: to 3 × 10⁻² 3 × 10 ⁻⁴ parameters used in	culates, <i>V_d</i> , is a ace. For climatic 'to 3 × 10 ⁻¹ m/s (BS Equation 6.5.6-2:	function of particle conditions in the Ar SC 2004 [DIRS 16967	size and the conditions in the nargosa Valley, the appropriate 72], Section 6.2.2.1).	
Added text is underlined; delete Dn page 6-106, first full paragra The dry deposition velocity atmospheric boundary layer velocity ranges from 5×10^{-4} Dn page 6-162, in definitions of $D_{inh,p,i}(t, T) =$ annual dose from after repository	ph: for airborne parti near the soil surfa to 3 × 10 ⁻² 3 × 10 ⁻⁴ parameters used in om inhalation of rad y closure, conditiona	culates, <i>V_d</i> , is a ace. For climatic to 3 × 10 ⁻¹ m/s (BS Equation 6.5.6-2: lionuclide <i>i</i> resulting al on a volcanic eru	function of particle conditions in the Ar SC 2004 [DIRS 16967 from exposure to response to	size and the conditions in the nargosa Valley, the appropriate 72], Section 6.2.2.1). suspended particles at time t a $t > T$ (Sv/yr)	