

**Byron Station**  
**ODCM Revision 7 Change Summary Matrix**  
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**Administrative Changes - Determination A**

**Technical Changes (Carbon-14) – Determination B**

<b>Item No.</b>	<b>(old) Rev. page No.</b>	<b>(new) Rev. page No.</b>	<b>Determination Identifier</b>	<b>Description of Change</b>
1	Page II.4-2 Sect 4.2.1.1	Page II.4-2 Sect 4.2.1.1	A	Changed $K_i$ value reference from Table 4-27 to Table 4-28
2	Page II.4-3 Sect 4.2.1.2	Page II.4-3 Sect 4.2.1.2	A	Changed $L_i$ and $M_i$ value references from Table 4-27 to Table 4-28
3	Page II.4-5 Sect 4.2.2.1	Page II.4-5 Sect 4.2.2.1	A	Changed $M_i$ value reference from Table 4-27 to Table 4-28
4	Page II.4-6 Sect 4.2.2.2	Page II.4-6 Sect 4.2.2.2	A	Changed $N_i$ value reference from Table 4-27 to Table 4-28
5	Page II.4-8 Sect 4.2.2.3	Page II.4-8 Sect 4.2.2.3	A	Changed $L_i$ value reference from Table 4-27 to Table 4-28
6	Page II.4-14	Page II.4-14 to II.4-15	B	Inserted Equation 4-12a to Calculate Carbon-14 Dose via Vegetation Pathway
7	Page II.4-16	Page II.4-17	B	Inserted Equation 4-14a to Calculate Carbon-14 Dose via Milk Pathway
8	Page II.4-17	Page II.4-19	B	Inserted Equation 4-16a to Calculate Carbon-14 Dose via Meat Pathway
9	Page II.4-24	Page II.4-26	B	Inserted Carbon-14 into Table 4-7, Ground Plane Dose Factors
10	Page II.4-29	Page II.4-31	B	Inserted Carbon-14 into Table 4-9, Adult Inhalation Dose Factors
11	Page II.4-31	Page II.4-33	B	Inserted Carbon-14 into Table 4-10, Teen Inhalation Dose Factors

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12	Page II.4-33	Page II.4-35	B	Inserted Carbon-14 into Table 4-11, Child Inhalation Dose Factors
13	Page II.4-35	Page II.4-37	B	Inserted Carbon-14 into Table 4-12, Infant Inhalation Dose Factors
14	Page II.4-37	Page II.4-39	B	Inserted Carbon-14 into Table 4-13, Adult Vegetation Dose Factors
15	Page II.4-39	Page II.4-41	B	Inserted Carbon-14 into Table 4-14, Teen Vegetation Dose Factors
16	Page II.4-41	Page II.4-43	B	Inserted Carbon-14 into Table 4-15, Child Vegetation Dose Factors
17	Page II.4-43	Page II.4-45	B	Inserted Carbon-14 into Table 4-16, Adult Grass-Cow-Milk Dose Factors
18	Page II.4-45	Page II.4-47	B	Inserted Carbon-14 into Table 4-17, Teen Grass-Cow-Milk Dose Factors
19	Page II.4-47	Page II.4-49	B	Inserted Carbon-14 into Table 4-18, Child Grass-Cow-Milk Dose Factors
20	Page II.4-49	Page II.4-51	B	Inserted Carbon-14 into Table 4-19, Infant Grass-Cow-Milk Dose Factors
21	Page II.4-51	Page II.4-53	B	Inserted Carbon-14 into Table 4-20, Adult Grass-Goat-Milk Dose Factors
22	Page II.4-53	Page II.4-55	B	Inserted Carbon-14 into Table 4-21, Teen Grass-Goat-Milk Dose Factors
23	Page II.4-55	Page II.4-57	B	Inserted Carbon-14 into Table 4-22, Child Grass-Goat-Milk Dose Factors
24	Page II.4-57	Page II.4-59	B	Inserted Carbon-14 into Table 4-23, Infant Grass-Goat-Milk Dose Factors and Corrected Title
25	Page II.4-59	Page II.4-61	B	Inserted Carbon-14 into Table 4-24 Adult Grass-Cow-Meat Dose Factors and Corrected Table Number
26	Page II.4-61	Page II.4-63	B	Inserted Carbon-14 into Table 4-25, Teen Grass-Cow-Meat Dose Factors and Corrected Table Number
27	Page II.4-63	Page II.4-65	B	Inserted Carbon-14 into Table 4-26, Child Grass-Cow-Meat Dose Factors and Corrected Table Number
28	Page II.4-59 to II.4-60	Page II.4-61 to II.4-62	A	Changed mislabeled Table 4-23, Adult Grass-Cow-Meat Dose Factors, to Table 4-24
29	Page II.4-61 to II.4-62	Page II.4-63 to II.4-64	A	Changed mislabeled Table 4-24, Teen Grass-Cow-Meat Dose Factors, to Table 4-25

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30	Page II.4-63 to II.4-64	Page II.4-65 to II.4-66	A	Changed mislabeled Table 4-25, Child Grass-Cow-Meat Dose Factors, to Table 4-26
31	Page II.4-65	Page II.4-67	A	Changed mislabeled Table 4-26, Byron Station Characteristics, to Table 4-27
32	Page II.4-66	Page II.4-68	A	Changed mislabeled Table 4-27, Dose Factors for Noble Gases, to Table 4-28
33	Page II 6-2 To Page II 6-9 Table 6-1	Page II 6-2 To Page II 6-8 Table 6-1	A	Removed duplicated information (distance, direction and sector) that is also contained in Table 6-2 Added "upstream control" identifier to BY-34 sediment sample location Changed Milk sample location BY-18 to BY-18-1 to reflect new location
34	Page II 6-12 Figure 6-3	Page II 6-13 Figure 6-3	A	Changed location on map of BY-201-1 to accurately reflect real location Changed location on map of BY-207-2, 208-2, 209-1, 209-4, 215-1, 215-4 to reflect relocation of these TLDs
35	Page II 6-13 Figure 6-4	Page II 6-14 Figure 6-4	A	Moved BY-34 sediment location to accurately reflect the current location (upstream of plant discharge) Changed Milk sample location BY-18 to BY-18-1 to reflect new location
36	Page II 6-15 To Page II 6-17 Table 6-2	Page II 6-15 To Page II 6-19 Table 6-2	A	Updated distance, direction and sector designations based on higher accuracy measurements with current technology Changed table to reflect new vent stack release point coordinates Changed latitude and longitude conventions Added column for distance in miles Added column for compass direction Changed sector location of BY-22 from F to G Changed sector location of BY-34 from M to P Changed Milk sample location BY-18 to BY-18-1 to reflect new location Changed locations of BY-207-2, 208-2, 209-1, 209-4, 215-1, 215-4 to reflect relocation of these TLDs