

APPENDIX E

Summary of Biological Data

TABLE E-1
2010 Radioactivity Concentrations in Milk

<i>Location</i>	<i>K-40</i> ($\mu\text{Ci/mL}$)	<i>Sr-90</i> ($\mu\text{Ci/mL}$)	<i>I-129</i> ($\mu\text{Ci/mL}$)	<i>Cs-137</i> ($\mu\text{Ci/mL}$)
BFMFLDMN Annual	1.36 \pm 0.20E-06	1.02 \pm 0.70E-09	1.13 \pm 2.56E-10	1.04 \pm 3.75E-09

Note: The control milk sample (BFMCTLS) was last sampled in 2007. It will next be sampled in 2012.

TABLE E-2
2010 Radioactivity Concentrations in Venison

<i>Location</i>	<i>% Moisture</i>	<i>H-3</i> ($\mu\text{Ci/mL}$)	<i>K-40</i> ($\mu\text{Ci/g - dry}$)	<i>Sr-90</i> ($\mu\text{Ci/g - dry}$)	<i>Cs-137</i> ($\mu\text{Ci/g - dry}$)
Deer Flesh Background (BFDCTRL 12/10)	71.5	0.35 \pm 1.18E-07	9.87 \pm 1.34E-06	1.97 \pm 2.91E-09	1.15 \pm 2.27E-08
Deer Flesh Background (BFDCTRL 12/10)	72.4	1.51 \pm 1.21E-07	9.58 \pm 1.19E-06	-2.92 \pm 2.48E-09	1.78 \pm 0.41E-07
Deer Flesh Background (BFDCTRL 12/10)	71.3	0.94 \pm 1.18E-07	1.06 \pm 0.12E-05	2.11 \pm 2.90E-09	5.86 \pm 3.03E-08
Deer Flesh Near-Site (BFDNEAR 10/10)	72.3	0.28 \pm 1.20E-07	1.08 \pm 0.13E-05	1.58 \pm 2.84E-09	6.98 \pm 3.70E-08
Deer Flesh Near-Site (BFDNEAR 10/10)	74.1	0.37 \pm 1.23E-07	1.21 \pm 0.18E-05	1.62 \pm 2.86E-09	4.32 \pm 0.76E-07
Deer Flesh Near-Site (BFDNEAR 12/10)	72.5	1.77 \pm 1.22E-07	1.05 \pm 0.15E-05	4.26 \pm 3.02E-09	7.87 \pm 5.33E-08

TABLE E-3
2010 Radioactivity Concentrations in Food Crops

The frequency of sampling of food crops has been decreased from annual to once every five years, consistent with guidance on periodic confirmatory sampling in DOE/EH-0173T.
Food crops will next be sampled in CY 2012.

TABLE E-4
2010 Radioactivity Concentrations in Edible Portions of Fish

The frequency of sampling fish has been decreased from annual to once every five years, consistent with guidance on periodic confirmatory sampling in DOE/EH-0173T.
Fish will next be sampled in CY 2012.

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