

**TABLE C-9: Cesium-137 & Iodine-131 Concentrations in Sheep**

Location & Media	Sample	Sampling Date	Analyte	Result ± Uncertainty (1s) pCi /kg			Result ± Uncertainty (1s) Bq /kg		
<b>DUBOIS</b>									
<b>LIVER *</b>									
	SAMPLE #1	5/16/2003	CESIUM-137	2.80	±	2.15	0.10	±	0.08
	SAMPLE #1	5/16/2003	IODINE-131	-2.80	±	4.35	-0.10	±	0.16
<b>MUSCLE</b>									
	SAMPLE #1	5/16/2003	CESIUM-137	2.90	±	1.35	0.11	±	0.05
	SAMPLE #1	5/16/2003	IODINE-131	0.90	±	2.10	0.03	±	0.08
	SAMPLE #2	5/16/2003	CESIUM-137	0.10	±	2.65	0.00	±	0.10
	SAMPLE #2	5/16/2003	IODINE-131	6.20	±	3.15	0.23	±	0.12
<b>THYROID</b>									
	SAMPLE #1	5/16/2003	CESIUM-137	-64.70		60.50	-2.39		2.24
	SAMPLE #1	5/16/2003	IODINE-131	52.00	±	44.55	1.92	±	1.65
	SAMPLE #2	5/16/2003	CESIUM-137	-49.90	±	40.60	-1.85	±	1.50
	SAMPLE #2	5/16/2003	IODINE-131	-16.10	±	55.00	-0.60	±	2.04
<b>INEEL NORTH</b>									
<b>LIVER</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	4.90	±	1.50	0.18	±	0.06
	SAMPLE #1	5/8/2003	IODINE-131	8.90	±	4.65	0.33	±	0.17
	SAMPLE #2	5/8/2003	CESIUM-137	4.20	±	1.50	0.16	±	0.06
	SAMPLE #2	5/8/2003	IODINE-131	11.30	±	5.60	0.42	±	0.21
<b>MUSCLE</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	12.10	±	1.55	0.45	±	0.06
	SAMPLE #1	5/8/2003	IODINE-131	-7.00	±	7.15	-0.26	±	0.26
	SAMPLE #2	5/8/2003	CESIUM-137	8.30	±	2.55	0.31	±	0.09
	SAMPLE #2	5/8/2003	IODINE-131	-2.90	±	6.05	-0.11	±	0.22
<b>THYROID</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	-26.50	±	41.75	-0.98	±	1.54
	SAMPLE #1	5/8/2003	IODINE-131	25.80	±	64.00	0.95	±	2.37
	SAMPLE #2	5/8/2003	CESIUM-137	-157.00	±	82.00	-5.81	±	3.03
	SAMPLE #2	5/8/2003	IODINE-131	187.00	±	105.00	6.92	±	3.89

Location & Media	Sample	Sampling Date	Analyte	Result ± Uncertainty (1s) pCi /kg			Result ± Uncertainty (1s) Bq /kg		
<b>INEEL SOUTH</b>									
<b>LIVER</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	5.80	±	2.65	0.21	±	0.10
	SAMPLE #1	5/8/2003	IODINE-131	1.30	±	4.40	0.05	±	0.16
	SAMPLE #2	5/8/2003	CESIUM-137	8.50	±	7.05	0.31	±	0.26
	SAMPLE #2	5/8/2003	IODINE-131	7.20	±	9.40	0.27	±	0.35
<b>MUSCLE</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	3.50	±	1.60	0.13	±	0.06
	SAMPLE #1	5/8/2003	IODINE-131	4.00	±	2.50	0.15	±	0.09
	SAMPLE #2	5/8/2003	CESIUM-137	9.70	±	6.00	0.36	±	0.22
	SAMPLE #2	5/8/2003	IODINE-131	-1.60	±	7.00	-0.06	±	0.26
<b>THYROID</b>									
	SAMPLE #1	5/8/2003	CESIUM-137	-94.70	±	81.50	-3.50	±	3.02
	SAMPLE #1	5/8/2003	IODINE-131	70.20	±	134.00	2.60	±	4.96
	SAMPLE #2	5/8/2003	CESIUM-137	-180.00	±	120.50	-6.66	±	4.46
	SAMPLE #2	5/8/2003	IODINE-131	-659.00	±	212.00	-24.38	±	7.84

\* No Liver Collected for Sample #2 Dubois 5/16/2003