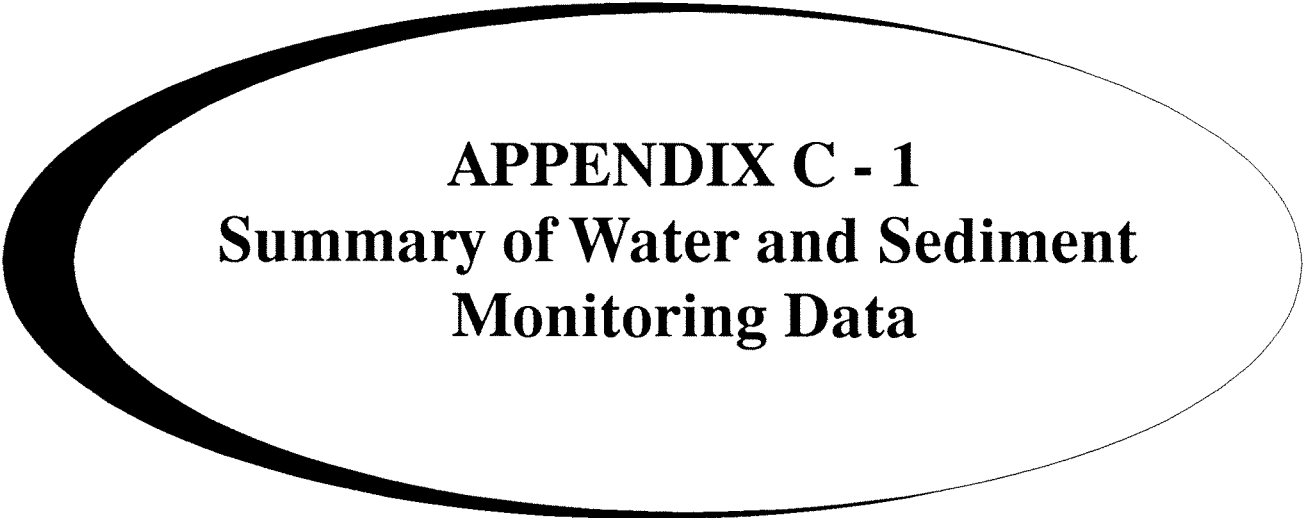


**Collecting a Sample at a Continuous-Stream Sample Station**

---



**APPENDIX C - 1**  
**Summary of Water and Sediment**  
**Monitoring Data**

**TABLE C - 1.1**

**Total Radioactivity of Liquid Effluents Released from WVDP Lagoon 3 in 1990 (curies)**

	<b>Alpha</b>	<b>Beta</b>	<b>H-3</b>	<b>C-14</b>	<b>Sr-90</b>	<b>I-129</b>	<b>Cs-137</b>
<b>1ST QTR</b>	6.33 ± 4.1 E-04	1.51 ± 0.1 E-02	2.38 ± 0.05 E+00	9.09 ± 0.5 E-04	1.09 ± 0.1 E-03	1.30 ± 0.6 E-04	3.46 ± 1.0 E-03
<b>2ND QTR</b>	1.36 ± 0.8 E-04	1.51 ± 0.1 E-02	9.86 ± 0.03 E-01	3.30 ± 0.4 E-03	4.90 ± 0.5 E-04	<5.5 E-05	4.54 ± 0.4 E-03
<b>3RD QTR</b>	***	-----	No release this quarter		-----		
<b>4TH QTR</b>	2.21 ± 1.1 E-04	1.42 ± 0.1 E-02	1.05 ± 0.03 E+00	<2.7 E-03	9.42 ± 0.7 E-04	2.04 ± 0.3 E-04	3.94 ± 0.5 E-03
<b>1990 Totals</b>	9.90 ± 4.3 E-04	4.44 ± 0.2 E-02	4.42 ± .06 E+00	6.91 ± 2.7 E-03	2.50 ± 0.1 E-03	3.89 ± 0.9 E-04	1.19 ± 0.1 E-02
<b>1990 Average</b> ( $\mu$ Ci/mL)	2.36 E-08	1.07 E-06	1.06 E-04	1.65 E-07	5.97 E-08	9.28 E-09	2.84 E-07
	<b>U-232</b>	<b>U-234</b>	<b>U-235</b>	<b>U-238</b>	<b>Pu-238</b>	<b>Pu-239/240</b>	<b>Am-241</b>
<b>1ST QTR</b>	N/A	1.00 ± 0.1 E-04	3.09 ± 1.6 E-06	3.42 ± 0.5 E-05	2.31 ± 1.3 E-06	1.73 ± 1.2 E-06	5.95 ± 2.0 E-06
<b>2ND QTR</b>	*9.47 ± 1.0 E-04	3.32 ± 0.5 E-04	1.37 ± 0.6 E-05	1.01 ± 0.2 E-04	1.34 ± 1.2 E-06	<8.1 E-07	1.03 ± 0.9 E-06
<b>3RD QTR</b>	****	-----	No release this quarter		-----		
<b>4TH QTR</b>	*2.78 ± 0.3 E-04	1.38 ± 0.2 E-04	6.94 ± 2.8 E-06	5.33 ± 0.9 E-05	N/A	N/A	6.75 ± 2.7 E-07
<b>1990 Totals</b>	N/A	5.70 ± 0.5 E-04	2.37 ± 0.7 E-05	1.89 ± 0.2 E-04	3.65 ± 1.8 E-06	2.5 ± 1.2 E-06	7.66 ± 2.3 E-06
<b>1990 Average</b> ( $\mu$ Ci/mL)	N/A	1.36 E-08	5.66 E-10	4.51 E-09	6.71 E-11	5.97 E-11	1.83 E-10

\* Calculated values for U-232 are provisional, pending resolution of analytical uncertainties.

N/A Not available

TABLE C - 1. 2

Comparison of 1990 Lagoon 3 Liquid Effluent Radioactivity Concentrations  
with Department of Energy (DOE) Guidelines

ISOTOPE	Total ( $\mu\text{Ci}$ ) Released <sup>a</sup>	Avg conc. ( $\mu\text{Ci/mL}$ )	DCG ( $\mu\text{Ci/mL}$ )	% of DCG
Alpha	9.90 E + 02	2.36 E-08	Not applicable <sup>b</sup>	-----
Beta	4.44 E + 04	1.07 E-06	Not applicable <sup>b</sup>	-----
H-3	4.42 E + 06	1.06 E-04	2.0 E-03	5.3
C-14	6.91 E + 03	1.65 E-07	7.0 E-05	0.2
Sr-90	2.50 E + 03	5.97 E-08	1.0 E-06	6.0
I-129	3.89 E + 02	9.28 E-09	5.0 E-07	1.9
Cs-137	1.19 E + 04	2.84 E-07	3.0 E-06	9.5
U-234 <sup>c</sup>	5.70E + 02	1.36E-08	5.0 E-07	2.7
U-235 <sup>c</sup>	2.37E + 01	5.66E-10	6.0 E-07	0.1
U-238 <sup>c</sup>	1.89E + 02	4.51E-09	6.0 E-07	0.8
Pu-238	3.65 E + 00	8.71 E-11	4.0 E-08	0.2
Pu-239	2.50 E + 00	5.97 E-11	3.0 E-08	0.2
Am-241	7.66E + 00	1.83E-10	3.0 E-08	0.6
<b>TOTAL % OF DCG</b>				<b>28.0<sup>d</sup></b>

<sup>a</sup> Total volume released = 4.19E + 10 mL measured at actual on-site release point.

<sup>b</sup> Derived Concentration Guides (DCGs) are not applicable for gross alpha or beta activity.

<sup>c</sup> Total U ( $\mu\text{g}$ ) = 5.79E + 08; average U ( $\text{mg/L}$ ) = 1.38E-02.

<sup>d</sup> Total percent DCG for specific measured radionuclides does not include % of DCG for U-232 because of analytical uncertainties. Total % DCG including provisional reporting of U-232 would be 86.2% for 1990.

**TABLE C - 1.3**  
**1990 Radioactivity Concentrations ( $\mu\text{Ci/mL}$ )**  
**in Surface Water Upstream of the WVDP at Fox Valley (WFBCBKG)**

MONTH	Alpha	Beta	H-3	Sr-90	Cs-137
JAN	<8.2 E-10	3.01 $\pm$ 1.1 E-09	<1.0 E-07		
FEB	<1.0 E-09	4.47 $\pm$ 1.2 E-09	<1.0 E-07		
MAR	<6.6 E-10	1.94 $\pm$ 0.9 E-09	<1.0 E-07		
<b>1ST QTR</b>				<b>&lt;1.4 E-09</b>	<b>&lt;1.1 E-08</b>
APR	1.44 $\pm$ 1.1 E-09	2.53 $\pm$ 0.9 E-09	<1.0 E-07		
MAY	<7.0 E-10	2.62 $\pm$ 1.0 E-09	<1.0 E-07		
JUN	<8.0 E-10	2.58 $\pm$ 1.0 E-09	<1.0 E-07		
<b>2ND QTR</b>				<b>8.59 <math>\pm</math> 2.6 E-09</b>	<b>&lt;1.1 E-08</b>
JUL	1.44 $\pm$ 1.3 E-09	2.29 $\pm$ 1.1 E-09	<1.0 E-07		
AUG	<1.0 E-09	2.80 $\pm$ 1.1 E-09	<1.0 E-07		
SEP	<1.5 E-09	2.95 $\pm$ 1.3 E-09	<1.0 E-07		
<b>3RD QTR</b>				<b>3.40 <math>\pm</math> 2.1 E-09</b>	<b>&lt;1.1 E-08</b>
OCT	<1.1 E-09	3.67 $\pm$ 1.3 E-09	<1.0 E-07		
NOV	<1.4 E-09	<1.7 E-09	<1.0 E-07		
DEC	<3.4 E-09	5.86 $\pm$ 2.6 E-09	<1.0 E-07		
<b>4TH QTR</b>				<b>6.94 <math>\pm</math> 2.5 E-09</b>	<b>&lt;1.1 E-08</b>

**TABLE C - 1.4**  
**1990 Radioactivity Concentrations ( $\mu\text{Ci/mL}$ )**  
**in Surface Water Downstream of the WVDP at Thomas Corners (WFBCTCB)**

MONTH	Alpha	Beta	H-3	Sr-90	Cs-137
JAN	1.83 $\pm$ 1.5 E-09	2.89 $\pm$ 1.1 E-09	<1.0 E-07		
FEB	<5.5 E-10	4.53 $\pm$ 1.2 E-09	2.07 $\pm$ 1.2 E-07		
MAR	1.21 $\pm$ 1.1 E-09	6.42 $\pm$ 1.3 E-09	3.11 $\pm$ 1.2 E-07		
<b>1ST QTR</b>				<b>1.68 <math>\pm</math> 1.6 E-09</b>	<b>&lt;1.1 E-08</b>
APR	<6.0 E-10	3.51 $\pm$ 1.0 E-09	<1.0 E-07		
MAY	<7.1 E-10	3.50 $\pm$ 1.1 E-09	1.24 $\pm$ 1.1 E-07		
JUN	<1.0 E-09	1.15 $\pm$ 0.2 E-08	5.63 $\pm$ 1.2 E-07		
<b>2ND QTR</b>				<b>4.38 <math>\pm</math> 2.0 E-09</b>	<b>&lt;1.1 E-08</b>
JUL	<1.4 E-09	5.46 $\pm$ 1.3 E-09	1.92 $\pm$ 1.2 E-07		
AUG	2.19 $\pm$ 1.7 E-09	5.69 $\pm$ 1.4 E-09	<1.0 E-07		
SEP	<1.3 E-09	4.08 $\pm$ 1.3 E-09	<1.0 E-07		
<b>3RD QTR</b>				<b>4.19 <math>\pm</math> 1.9 E-09</b>	<b>&lt;1.1 E-08</b>
OCT	<2.5 E-09	5.88 $\pm$ 1.5 E-09	<1.0 E-07		
NOV	<1.4 E-09	6.44 $\pm$ 2.2 E-09	1.23 $\pm$ 1.2 E-07		
DEC	<1.9 E-09	3.67 $\pm$ 2.2 E-09	<1.0 E-07		
<b>4TH QTR</b>				<b>4.07 <math>\pm</math> 2.3 E-09</b>	<b>&lt;1.1 E-08</b>

**TABLE C - 1.5**  
**Radioactivity Concentrations ( $\mu\text{Ci}/\text{mL}$ )**  
**in Surface Water Downstream of the WVDP at Frank's Creek (WNSP006)**

MONTH	Alpha	Beta	H-3
January	$2.90 \pm 2.0 \text{ E-}09$	$4.39 \pm 0.3 \text{ E-}08$	$5.81 \pm 0.3 \text{ E-}06$
February	$< 1.35 \text{ E-}09$	$2.26 \pm 0.2 \text{ E-}08$	$< 1.00 \text{ E-}07$
March	$1.53 \pm 1.5 \text{ E-}09$	$5.50 \pm 0.5 \text{ E-}08$	$7.11 \pm 0.3 \text{ E-}06$
April	$< 1.19 \text{ E-}09$	$3.82 \pm 0.3 \text{ E-}08$	$3.13 \pm 0.2 \text{ E-}06$
May	$< 1.40 \text{ E-}09$	$2.85 \pm 0.3 \text{ E-}08$	$1.41 \pm 1.1 \text{ E-}07$
June	$7.09 \pm 5.2 \text{ E-}09$	$3.77 \pm 0.1 \text{ E-}07$	$2.58 \pm 0.1 \text{ E-}05$
July	$< 2.40 \text{ E-}09$	$1.67 \pm 0.1 \text{ E-}07$	$1.18 \pm 0.1 \text{ E-}06$
August	$< 3.90 \text{ E-}09$	$2.03 \pm 0.1 \text{ E-}07$	$9.25 \pm 1.2 \text{ E-}07$
September	$< 1.84 \text{ E-}09$	$7.09 \pm 0.7 \text{ E-}08$	$3.19 \pm 1.2 \text{ E-}07$
October	$< 1.50 \text{ E-}09$	$2.65 \pm 0.4 \text{ E-}08$	$2.15 \pm 1.2 \text{ E-}07$
November	$3.35 \pm 2.8 \text{ E-}09$	$1.54 \pm 0.1 \text{ E-}07$	$1.15 \pm 0.1 \text{ E-}05$
December	$< 1.44 \text{ E-}09$	$1.68 \pm 0.3 \text{ E-}08$	$< 1.00 \text{ E-}07$

**TABLE C - 1.6**  
**Radioactivity Concentrations ( $\mu\text{Ci}/\text{mL}$ )**  
**in Surface Water Downstream of the WVDP at Frank's Creek (WNSP006)**

1990	C-14	Sr-90	I-129	Cs-137	U-234
1ST QTR	$8.36 \pm 1.03 \text{ E-}07$	$1.52 \pm 0.3 \text{ E-}08$	$< 4.9 \text{ E-}09$	$1.30 \pm 1.1 \text{ E-}08$	$4.00 \pm 0.77 \text{ E-}09$
2ND QTR	$1.12 \pm 0.22 \text{ E-}07$	$2.96 \pm 0.4 \text{ E-}08$	$< 4.95 \text{ E-}09$	$4.05 \pm 2.1 \text{ E-}08$	$2.48 \pm 0.49 \text{ E-}08$
3RD QTR	$< 5.04 \text{ E-}08$	$4.63 \pm 0.5 \text{ E-}08$	$< 1.14 \text{ E-}09$	$1.53 \pm 1.4 \text{ E-}08$	$7.77 \pm 2.55 \text{ E-}10$
4TH QTR	$< 2.40 \text{ E-}08$	$1.57 \pm 0.5 \text{ E-}08$	$< 1.14 \text{ E-}09$	$1.50 \pm 1.1 \text{ E-}08$	$7.54 \pm 2.96 \text{ E-}10$
	U-235	U-238	Pu-238	Pu-239/240	Am-241
1ST QTR	$< 2.9 \text{ E-}10$	$4.32 \pm 2.42 \text{ E-}10$	$< 7.4 \text{ E-}11$	$< 7.4 \text{ E-}11$	$2.58 \pm 1.29 \text{ E-}10$
2ND QTR	$1.92 \pm 1.51 \text{ E-}09$	$8.63 \pm 2.72 \text{ E-}09$	$< 5.81 \text{ E-}11$	$< 4.77 \text{ E-}11$	$< 1.91 \text{ E-}10$
3RD QTR	$< 1.33 \text{ E-}10$	$4.51 \pm 2.00 \text{ E-}10$	$7.46 \pm 6.21 \text{ E-}11$	$< 4.35 \text{ E-}11$	$1.49 \pm 1.23 \text{ E-}10$
4TH QTR	$2.30 \pm 1.94 \text{ E-}10$	$1.28 \pm 0.38 \text{ E-}09$	$1.14 \pm 0.83 \text{ E-}10$	$1.42 \pm 0.93 \text{ E-}10$	$< 8.05 \text{ E-}11$

**TABLE C - 1.7**

**Radioactivity Concentrations ( $\mu$ Ci/mL) in Surface Water  
Downstream of Buttermilk Creek at Felton Bridge (WFFELBR)**

1990	Alpha	Beta	H-3	Sr-90	Cs-137
January	<1.5 E-08	3.43 $\pm$ 1.1 E-09	<1.0 E-07	2.40 $\pm$ 1.4 E-09	<1.1 E-08
February	<7.5 E-10	3.57 $\pm$ 1.2 E-09	<1.0 E-07	<1.3 E-09	<1.1 E-08
March	<1.1 E-09	3.33 $\pm$ 1.1 E-09	<1.0 E-07	<1.1 E-09	<1.1 E-08
April	<7.3 E-10	3.63 $\pm$ 1.1 E-09	<1.0 E-07	1.39 $\pm$ 1.37 E-09	<1.1 E-08
May	<1.2 E-09	4.13 $\pm$ 1.2 E-09	<1.0 E-07	<1.7 E-09	<1.1 E-08
June	<1.4 E-09	2.03 $\pm$ 1.1 E-09	1.35 $\pm$ 1.1 E-07	<1.5 E-09	<1.1 E-08
July	<2.2 E-09	3.81 $\pm$ 1.4 E-09	<1.0 E-07	<1.6 E-09	<1.1 E-08
August	<1.3 E-09	3.29 $\pm$ 1.4 E-09	<1.0 E-07	<1.4 E-09	<1.1 E-08
September	<1.3 E-09	3.21 $\pm$ 1.3 E-09	<1.0 E-07	2.00 $\pm$ 1.96 E-09	<1.1 E-08
October	6.59 $\pm$ 3.9 E-09	7.28 $\pm$ 1.7 E-09	<1.0 E-07	3.87 $\pm$ 2.1 E-09	<1.1 E-08
November	3.62 $\pm$ 2.6 E-09	3.44 $\pm$ 1.3 E-09	<1.0 E-07	<2.1 E-09	<1.1 E-08
December	<2.8 E-09	4.26 $\pm$ 2.4 E-09	<1.0 E-07	<1.7 E-09	<1.1 E-08

**TABLE C - 1.8**

**1990 Results for Potable Well Water Sampled around the WVDP Site**

Sample ID	pH	Conductivity*	Alpha**	Beta**	H-3**	Cs-137**
WFWEL01	7.58	372	<7.0 E-10	2.22 $\pm$ 1.69 E-09	<1.14 E-07	<3.7 E-08
WFWEL02	6.70	296	1.25 $\pm$ 1.22 E-09	5.90 $\pm$ 1.51 E-09	<1.0 E-07	<3.7 E-08
WFWEL03	6.99	872	<3.08 E-09	2.24 $\pm$ 1.98 E-09	<1.07 E-07	<3.7 E-08
WFWEL04	8.14	1610	<1.66 $\pm$ 1.63 E-08	<2.34 E-09	<7.85 E-08	<3.7 E-08
WFWEL05	6.30	321	<7.99 E-10	2.58 $\pm$ 1.69 E-09	<1.0 E-07	<3.7 E-08
WFWEL06	7.95	263	<6.62 E-10	<1.45 E-09	<1.0 E-07	<3.7 E-08
WFWEL07	7.70	314	<8.14 E-10	2.51 $\pm$ 1.40 E-09	<1.0 E-07	<3.7 E-08
WFWEL08	7.44	457	1.93 $\pm$ 1.90 E-09	2.97 $\pm$ 1.84 E-09	<1.11 E-07	<3.7 E-08
WFWEL09	7.91	626	<1.5 E-09	2.66 $\pm$ 1.84 E-09	<1.05 E-07	<3.7 E-08
WFWEL10	7.26	583	<9.96 E-10	<1.56 E-09	<1.0 E-07	<3.7 E-08

\*  $\mu$ mhos/cm@25<sup>0</sup>C

\*\* $\mu$ Ci/mL

TABLE C - 1.9

1990 Radioactivity Concentrations in Stream Sediment around the WVDP Site  
( $\mu\text{Ci/g}$  dry weight from upper 15 cm)

Location	Date	Alpha	Beta	K-40	Cs-137	Sr-90	Co-60
SFBCSED	June 1990	$1.99 \pm 0.88 \text{ E-05}$	$1.87 \pm 0.55 \text{ E-05}$	$1.63 \pm 0.28 \text{ E-05}$	$5.48 \pm 5.38 \text{ E-08}$	$1.83 \pm 0.60 \text{ E-07}$	$< 1.0 \text{ E-07}$
SFSDSED	June 1990	$2.61 \pm 1.07 \text{ E-05}$	$1.92 \pm 0.54 \text{ E-05}$	$1.33 \pm 0.25 \text{ E-05}$	$1.53 \pm 0.70 \text{ E-07}$	$3.82 \pm 0.94 \text{ E-07}$	$< 1.0 \text{ E-07}$
SFTCSSED	June 1990	$1.41 \pm 0.74 \text{ E-05}$	$1.94 \pm 0.56 \text{ E-05}$	$1.45 \pm 0.26 \text{ E-05}$	$1.34 \pm 0.22 \text{ E-06}$	$2.61 \pm 0.59 \text{ E-07}$	$< 1.2 \text{ E-07}$
SFCCSED	June 1990	$1.12 \pm 0.67 \text{ E-05}$	$1.23 \pm 0.48 \text{ E-05}$	$1.17 \pm 0.24 \text{ E-05}$	$3.22 \pm 0.99 \text{ E-07}$	$2.88 \pm 0.77 \text{ E-07}$	$8.07 \pm 6.14 \text{ E-08}$
SFBISED	June 1990	$2.53 \pm 0.99 \text{ E-05}$	$1.52 \pm 0.46 \text{ E-05}$	$1.29 \pm 0.20 \text{ E-05}$	$6.83 \pm 4.18 \text{ E-08}$	$1.65 \pm 0.80 \text{ E-07}$	$< 1.0 \text{ E-07}$
SFBCSED	Nov. 1990	$1.12 \pm 0.91 \text{ E-05}$	$1.90 \pm 0.55 \text{ E-05}$	$1.36 \pm 0.21 \text{ E-05}$	$2.47 \pm 2.07 \text{ E-08}$	$3.19 \pm 0.87 \text{ E-07}$	$< 4.7 \text{ E-08}$
SFSDSED	Nov. 1990	$2.19 \pm 0.97 \text{ E-05}$	$2.32 \pm 0.60 \text{ E-05}$	$1.35 \pm 0.21 \text{ E-05}$	$5.07 \pm 0.85 \text{ E-07}$	$1.14 \pm 0.16 \text{ E-06}$	$< 4.3 \text{ E-08}$
SFTCSSED	Nov. 1990	$1.56 \pm 0.77 \text{ E-05}$	$2.02 \pm 0.55 \text{ E-05}$	$1.35 \pm 0.17 \text{ E-05}$	$1.76 \pm 0.20 \text{ E-06}$	$1.18 \pm 0.94 \text{ E-07}$	$< 5.2 \text{ E-08}$
SFCCSED	Nov. 1990	$1.73 \pm 0.82 \text{ E-05}$	$1.92 \pm 0.52 \text{ E-05}$	$1.28 \pm 0.20 \text{ E-05}$	$2.20 \pm 0.47 \text{ E-07}$	$< 1.0 \text{ E-07}$	$< 4.6 \text{ E-08}$
SFBISED	Nov. 1990	$1.09 \pm 0.65 \text{ E-05}$	$1.49 \pm 0.47 \text{ E-05}$	$1.01 \pm 0.16 \text{ E-05}$	$4.65 \pm 2.57 \text{ E-08}$	$2.19 \pm 0.78 \text{ E-07}$	$< 4.2 \text{ E-08}$
		<b>U-234</b>	<b>U-235/236</b>	<b>U-238</b>	<b>Pu-238</b>	<b>Pu-239/240</b>	<b>Am-241</b>
SFBCSED	June 1990	$8.72 \pm 1.93 \text{ E-07}$	$< 5.21 \text{ E-08}$	$9.02 \pm 1.97 \text{ E-07}$	$8.50 \pm 7.20 \text{ E-08}$	$< 2.85 \text{ E-08}$	$9.05 \pm 5.56 \text{ E-08}$
SFTCSSED	June 1990	$6.76 \pm 1.81 \text{ E-07}$	$< 5.90 \text{ E-08}$	$7.74 \pm 1.95 \text{ E-07}$	$< 4.58 \text{ E-08}$	$6.74 \pm 5.76 \text{ E-08}$	$2.15 \pm 0.84 \text{ E-07}$



**TABLE C - 1. 10****1990 Contributions by New York State Low-level Waste Disposal Area (SDA) to Radioactivity  
in West Valley Demonstration Project Liquid Effluents (*curies*)**

	<u>TOTALS</u>
Gross Alpha	< 1.3E-06
Gross Beta	9.00±0.4 E-04
H-3	3.70±0.1 E-02
C-14	7.18±2.4 E-05
Sr-90	4.84±0.1 E-04
I-129	< 1.7E-06
Cs-137	< 4.4E-06
U-232	8.29±5.6 E-07
U-234	1.51±0.7E-07
U-235	< 6.7E-08
U-238	1.26±0.6E-07
Pu-238	< 2.7E-08
Pu-239	5.39±4.5E-08
Am-241	1.33±0.8 E-07

**TABLE C - 1. 11**

**1990 Radioactivity Concentrations in Surface Soil Samples (in  $\mu\text{Ci/g}$  dry weight from upper 15 cm)  
Collected at Air Sampling Stations around the WVDP Site**

<b>Location</b>	<b>K-40</b>	<b>Cs-137</b>	<b>Sr-90</b>	<b>Am-241</b>	<b>Pu-239/240</b>
<b>SFFXVRD</b>	1.15 ± 0.18 E-05	8.35 ± 1.29 E-07	4.10 ± 0.80 E-07	1.24 ± 0.64 E-07	<2.35 E-08
<b>SFRSPRD</b>	1.19 ± 0.21 E-05	1.37 ± 0.22 E-06	5.12 ± 0.97 E-07	1.35 ± 0.64 E-07	<2.30 E-08
<b>SFRT240</b>	1.08 ± 0.15 E-05	9.35 ± 1.19 E-07	3.81 ± 0.81 E-07	6.58 ± 4.23 E-08	<3.57 E-08
<b>SFSPRVL</b>	1.36 ± 0.21 E-05	4.26 ± 0.73 E-07	2.96 ± 0.72 E-07	1.57 ± 0.71 E-07	<2.27 E-08
<b>SFTCORD</b>	2.21 ± 0.34 E-05	6.85 ± 3.76 E-08	2.09 ± 0.72 E-07	3.10 ± 1.35 E-07	<2.63 E-08
<b>SFWEVAL</b>	1.29 ± 0.20 E-05	1.60 ± 0.23 E-06	2.87 ± 0.79 E-07	1.16 ± 0.61 E-07	<2.07 E-08
<b>SFGRVAL</b>	9.23 ± 1.64 E-06	<5.1 E-08	5.45 ± 0.92 E-07	7.85 ± 5.32 E-08	<3.11 E-08
<b>SFBOEHN</b>	1.29 ± 0.17 E-05	2.05 ± 0.23 E-06	3.49 ± 0.76 E-07	2.62 ± 0.98 E-07	<2.20 E-08
<b>SFDNKRK</b>	1.42 ± 0.22 E-05	5.71 ± 0.94 E-07	2.70 ± 0.68 E-07	2.07 ± 0.85 E-07	<3.45 E-08
<b>SFLTVAL</b>	1.27 ± 0.21 E-05	2.48 ± 0.55 E-07	1.38 ± 0.69 E-07	1.35 ± 0.74 E-07	<1.46 E-08
	<b>U-234</b>	<b>U-235/236</b>	<b>U-238</b>		
<b>SFRSPRD</b>	7.28 ± 1.72 E-07	6.55 ± 6.38 E-08	6.48 ± 1.61 E-07		
<b>SFGRVAL</b>	9.63 ± 2.06 E-07	<6.28 E-08	7.21 ± 1.74 E-07		
<b>SFBOEHN</b>	7.30 ± 2.23 E-07	<8.35 E-08	8.30 ± 2.23 E-07		