

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 1

FIRST QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AC-1)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
01/06/92	415.1	(< 2.10E-02)
01/12/92	678.8	(< 1.59E-02)
01/20/92	974.4	(< 7.09E-03)
01/27/92	801.1	(< 1.09E-02)
02/03/92	846.6	(< 9.71E-03)
02/10/92	704.6	(< 1.09E-02)
02/17/92	804.3	(< 1.17E-02)
02/24/92	845.4	(< 2.11E-02)
03/02/92	903.6	(< 1.23E-02)
03/09/92	724.7	(< 1.47E-02)
03/15/92	725.6	(< 1.97E-02)
03/23/92	861.5	(< 5.10E-03)
03/29/92	786.2	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 2

FIRST QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AC-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	752.8	< 9.91E-03	(< 2.10E-02)
01/12/92	643.8	< 1.72E-02	(< 1.59E-02)
01/20/92	816.4	< 1.42E-02	(< 7.09E-03)
01/27/92	499.7	< 1.64E-02	(< 1.09E-02)
02/03/92	607.9	< 1.20E-02	(< 9.71E-03)
02/10/92	507.2	< 2.21E-02	(< 1.09E-02)
02/17/92	611.4	< 9.59E-03	(< 1.17E-02)
02/24/92	617.7	< 1.32E-02	(< 2.11E-02)
03/02/92	621.1	< 1.61E-02	(< 1.23E-02)
03/09/92	605.6	< 1.71E-02	(< 1.47E-02)
03/15/92	537.1	< 2.67E-02	(< 1.97E-02)
03/23/92	646.6	< 1.64E-02	(< 5.10E-03)
03/29/92	532.8	< 2.17E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 3

FIRST QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AC-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	811.8	< 1.41E-02	(< 2.10E-02)
01/12/92	698.0	< 1.32E-02	(< 1.59E-02)
01/20/92	918.6	< 7.86E-03	(< 7.09E-03)
01/27/92	812.2	< 1.09E-02	(< 1.09E-02)
02/03/92	821.2	< 1.14E-02	(< 9.71E-03)
02/10/92	660.7	< 1.54E-02	(< 1.09E-02)
02/17/92	801.7	< 7.85E-03	(< 1.17E-02)
02/24/92	803.3	< 8.47E-03	(< 2.11E-02)
03/02/92	801.4	< 1.25E-02	(< 1.23E-02)
03/09/92	784.8	< 1.36E-02	(< 1.47E-02)
03/15/92	649.2	< 2.05E-02	(< 1.97E-02)
03/23/92	765.0	< 1.10E-02	(< 5.10E-03)
03/29/92	699.5	< 1.30E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 4

FIRST QUARTER, 1992

0.4 MI ESE - SPILLWAY (AC-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	770.3	< 1.34E-02	(< 2.10E-02)
01/12/92	658.9	< 9.58E-03	(< 1.59E-02)
01/20/92	874.2	< 1.46E-02	(< 7.09E-03)
01/27/92	767.6	< 1.34E-02	(< 1.09E-02)
02/03/92	767.8	< 8.92E-03	(< 9.71E-03)
02/10/92	728.7	< 1.83E-02	(< 1.09E-02)
02/17/92	765.3	< 1.00E-02	(< 1.17E-02)
02/24/92	762.5	< 1.22E-02	(< 2.11E-02)
03/02/92	774.5	< 8.04E-03	(< 1.23E-02)
03/09/92	755.7	< 1.05E-02	(< 1.47E-02)
03/15/92	638.8	< 2.07E-02	(< 1.97E-02)
03/23/92	873.9	< 1.01E-02	(< 5.10E-03)
03/29/92	665.2	< 1.61E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 5

FIRST QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AC-5)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	653.8	< 1.54E-02	(< 2.10E-02)
01/12/92	558.7	< 1.03E-02	(< 1.59E-02)
01/20/92	737.8	< 1.51E-02	(< 7.09E-03)
01/27/92	654.5	< 1.15E-02	(< 1.09E-02)
02/03/92	657.6	< 1.45E-02	(< 9.71E-03)
02/10/92	581.2	< 2.02E-02	(< 1.09E-02)
02/17/92	655.7	< 1.63E-02	(< 1.17E-02)
02/24/92	659.1	< 1.90E-02	(< 2.11E-02)
03/02/92	650.3	< 1.07E-02	(< 1.23E-02)
03/09/92	652.4	< 1.44E-02	(< 1.47E-02)
03/15/92	536.0	< 1.82E-02	(< 1.97E-02)
03/23/92	730.9	< 1.53E-02	(< 5.10E-03)
03/29/92	564.1	< 1.45E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 6

FIRST QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AC-6)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	826.2	< 1.01E-02	(< 2.10E-02)
01/12/92	699.4	< 1.32E-02	(< 1.59E-02)
01/20/92	901.5	< 1.04E-02	(< 7.09E-03)
01/27/92	778.2	< 1.08E-02	(< 1.09E-02)
02/03/92	816.7	< 1.03E-02	(< 9.71E-03)
02/10/92	713.2	< 7.91E-03	(< 1.09E-02)
02/17/92	820.2	< 9.72E-03	(< 1.17E-02)
02/24/92	825.0	< 6.76E-03	(< 2.11E-02)
03/02/92	825.3	< 1.22E-02	(< 1.23E-02)
03/09/92	720.6	< 1.33E-02	(< 1.47E-02)
03/15/92	706.7	< 1.49E-02	(< 1.97E-02)
03/23/92	758.0	< 1.24E-02	(< 5.10E-03)
03/29/92	707.3	< 1.12E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 7

FIRST QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AC-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	750.2	< 9.27E-03	(< 2.10E-02)
01/12/92	641.2	< 1.69E-02	(< 1.59E-02)
01/20/92	834.0	< 8.33E-03	(< 7.09E-03)
01/27/92	710.0	< 1.24E-02	(< 1.09E-02)
02/03/92	744.6	< 1.18E-02	(< 9.71E-03)
02/10/92	617.3	< 1.69E-02	(< 1.09E-02)
02/17/92	746.2	< 1.40E-02	(< 1.17E-02)
02/24/92	743.4	< 1.45E-02	(< 2.11E-02)
03/02/92	744.6	< 6.49E-03	(< 1.23E-02)
03/09/92	714.7	< 7.87E-03	(< 1.47E-02)
03/15/92	610.8	< 1.71E-02	(< 1.97E-02)
03/23/92	803.2	< 1.50E-02	(< 5.10E-03)
03/29/92	641.8	< 1.75E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 8

FIRST QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AC-55)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	529.8	< 2.20E-02	(< 2.10E-02)
01/12/92	439.6	< 1.88E-02	(< 1.59E-02)
01/20/92	584.8	< 2.15E-02	(< 7.09E-03)
01/27/92	506.2	< 1.88E-02	(< 1.09E-02)
02/03/92	511.9	< 1.34E-02	(< 9.71E-03)
02/10/92	446.6	< 1.41E-02	(< 1.09E-02)
02/17/92	512.5	< 1.46E-02	(< 1.17E-02)
02/24/92	512.2	< 1.97E-02	(< 2.11E-02)
03/02/92	514.6	< 1.35E-02	(< 1.23E-02)
03/09/92	514.4	< 1.92E-02	(< 1.47E-02)
03/15/92	437.9	< 2.74E-02	(< 1.97E-02)
03/23/92	575.8	< 1.43E-02	(< 5.10E-03)
03/29/92	437.4	< 3.02E-02	(< 9.61E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 9

SECOND QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AC-1)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
04/05/92	893.6	(< 1.40E-02)
04/12/92	742.5	(< 1.43E-02)
04/19/92	896.4	(< 1.31E-02)
04/26/92	943.0	(< 1.08E-02)
05/03/92	874.4	(< 1.38E-02)
05/10/92	909.0	(< 1.43E-02)
05/17/92	879.1	(< 1.16E-02)
05/24/92	940.4	(< 8.04E-03)
05/31/92	943.9	(< 1.02E-02)
06/07/92	904.9	(< 8.14E-03)
06/14/92	908.5	(< 1.05E-02)
06/21/92	907.6	(< 1.21E-02)
06/29/92	1030.6	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 10

SECOND QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AC-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	596.1	< 1.71E-02	(< 1.40E-02)
04/12/92	530.0	< 2.38E-02	(< 1.43E-02)
04/19/92	594.3	< 1.63E-02	(< 1.31E-02)
04/26/92	634.1	< 1.90E-02	(< 1.08E-02)
05/03/92	579.4	< 1.60E-02	(< 1.38E-02)
05/10/92	572.2	< 8.08E-03	(< 1.43E-02)
05/17/92	618.3	< 8.40E-03	(< 1.16E-02)
05/24/92	640.0	< 1.24E-02	(< 8.04E-03)
05/31/92	622.8	< 2.08E-02	(< 1.02E-02)
06/07/92	730.7	< 1.96E-02	(< 8.14E-03)
06/21/92	853.4	< 1.61E-02	(< 1.21E-02)
06/29/92	1017.5	< 1.03E-02	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 11

SECOND QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AC-3)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	778.8	< 7.09E-03	(< 1.40E-02)
04/12/92	689.0	< 1.40E-02	(< 1.43E-02)
04/19/92	754.2	< 1.28E-02	(< 1.31E-02)
04/26/92	817.2	< 1.12E-02	(< 1.08E-02)
05/03/92	802.8	< 1.40E-02	(< 1.38E-02)
05/10/92	801.2	< 1.23E-02	(< 1.43E-02)
05/17/92	797.2	< 8.14E-03	(< 1.16E-02)
05/24/92	809.7	< 1.13E-02	(< 8.04E-03)
05/31/92	818.6	< 1.52E-02	(< 1.02E-02)
06/07/92	842.2	< 8.34E-03	(< 8.14E-03)
06/14/92	811.0	< 1.05E-02	(< 1.05E-02)
06/21/92	823.2	< 1.04E-02	(< 1.21E-02)
06/29/92	910.3	< 8.51E-03	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 12

SECOND QUARTER, 1992

0.4 MI ESE - SPILLWAY (AC-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	756.4	< 7.94E-03	(< 1.40E-02)
04/12/92	759.0	< 9.76E-03	(< 1.43E-02)
04/19/92	765.3	< 8.88E-03	(< 1.31E-02)
04/26/92	787.9	< 7.46E-03	(< 1.08E-02)
05/03/92	772.6	< 1.03E-02	(< 1.38E-02)
05/10/92	776.2	< 1.34E-02	(< 1.43E-02)
05/17/92	761.0	< 1.14E-02	(< 1.16E-02)
05/24/92	770.0	< 1.50E-02	(< 8.04E-03)
05/31/92	787.0	< 1.08E-02	(< 1.02E-02)
06/07/92	859.2	< 1.05E-02	(< 8.14E-03)
06/14/92	866.0	< 9.89E-03	(< 1.05E-02)
06/21/92	1031.5	< 1.33E-02	(< 1.21E-02)
06/29/92	1182.3	< 6.88E-03	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 13

SECOND QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AC-5)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	646.8	< 1.55E-02	(< 1.40E-02)
04/12/92	647.6	< 1.65E-02	(< 1.43E-02)
04/19/92	644.5	< 1.74E-02	(< 1.31E-02)
04/26/92	668.0	< 1.10E-02	(< 1.08E-02)
05/03/92	656.9	< 1.73E-02	(< 1.38E-02)
05/10/92	654.6	< 1.51E-02	(< 1.43E-02)
05/17/92	650.8	< 1.48E-02	(< 1.16E-02)
05/24/92	668.6	< 1.02E-02	(< 8.04E-03)
05/31/92	667.8	< 1.77E-02	(< 1.02E-02)
06/07/92	829.0	< 1.27E-02	(< 8.14E-03)
06/14/92	813.0	< 1.18E-02	(< 1.05E-02)
06/21/92	833.9	< 8.26E-03	(< 1.21E-02)
06/29/92	927.4	< 1.19E-02	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 14

SECOND QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AC-6)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	772.0	< 1.24E-02	(< 1.40E-02)
04/12/92	699.8	< 1.28E-02	(< 1.43E-02)
04/19/92	795.6	< 1.72E-02	(< 1.31E-02)
04/26/92	829.7	< 9.55E-03	(< 1.08E-02)
05/03/92	742.8	< 1.69E-02	(< 1.38E-02)
05/10/92	730.3	< 1.19E-02	(< 1.43E-02)
05/17/92	788.6	< 1.40E-02	(< 1.16E-02)
05/24/92	812.3	< 1.10E-02	(< 8.04E-03)
05/31/92	811.4	< 1.55E-02	(< 1.02E-02)
06/07/92	815.4	< 1.14E-02	(< 8.14E-03)
06/14/92	831.5	< 1.40E-02	(< 1.05E-02)
06/21/92	842.3	< 1.32E-02	(< 1.21E-02)
06/29/92	880.6	< 8.16E-03	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 15

SECOND QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AC-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	745.3	< 8.56E-03	(< 1.40E-02)
04/12/92	708.2	< 1.37E-02	(< 1.43E-02)
04/19/92	736.8	< 1.32E-02	(< 1.31E-02)
04/26/92	764.9	< 1.40E-02	(< 1.08E-02)
05/03/92	754.2	< 1.28E-02	(< 1.38E-02)
05/10/92	738.6	< 1.69E-02	(< 1.43E-02)
05/17/92	731.8	< 1.54E-02	(< 1.16E-02)
05/24/92	764.3	< 1.04E-02	(< 8.04E-03)
05/31/92	765.6	< 1.46E-02	(< 1.02E-02)
06/07/92	741.4	< 1.41E-02	(< 8.14E-03)
06/14/92	738.0	< 1.49E-02	(< 1.05E-02)
06/21/92	762.0	< 1.08E-02	(< 1.21E-02)
06/29/92	851.1	< 1.20E-02	(< 9.42E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 16

SECOND QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AC-55)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	497.8	< 8.54E-03	(< 1.40E-02)
04/12/92	494.2	< 1.07E-02	(< 1.43E-02)
04/19/92	516.9	< 1.86E-02	(< 1.31E-02)
04/26/92	523.0	< 2.11E-02	(< 1.08E-02)
05/03/92	514.4	< 1.05E-02	(< 1.38E-02)
05/10/92	504.9	< 2.06E-02	(< 1.43E-02)
05/17/92	510.8	< 1.90E-02	(< 1.16E-02)
05/24/92	523.2	< 1.71E-02	(< 8.04E-03)
05/31/92	513.6	< 1.80E-02	(< 1.02E-02)
06/07/92	641.1	< 1.87E-02	(< 8.14E-03)
06/14/92	449.3	< 1.77E-02	(< 1.05E-02)
06/29/92	585.0	< 1.50E-02	(< 9.42E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 17

FIRST QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
01/06/92	415.1	(1.14 \pm 0.21 E-02)
01/12/92	678.8	(2.12 \pm 0.19 E-02)
01/20/92	974.4	(1.42 \pm 0.13 E-02)
01/27/92	801.1	(1.25 \pm 0.14 E-02)
02/03/92	846.6	(1.95 \pm 0.16 E-02)
02/10/92	704.6	(1.50 \pm 0.16 E-02)
02/17/92	804.3	(1.45 \pm 0.15 E-02)
02/24/92	845.4	(1.28 \pm 0.14 E-02)
03/02/92	903.6	(1.22 \pm 0.13 E-02)
03/09/92	724.7	(1.20 \pm 0.15 E-02)
03/15/92	725.6	(1.37 \pm 0.16 E-02)
03/23/92	861.5	(1.32 \pm 0.14 E-02)
03/29/92	786.2	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 18

FIRST QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	752.8	1.32 \pm 0.15 E-02	(1.14 \pm 0.21 E-02)
01/12/92	643.8	2.16 \pm 0.20 E-02	(2.12 \pm 0.19 E-02)
01/20/92	816.4	1.92 \pm 0.16 E-02	(1.42 \pm 0.13 E-02)
01/27/92	499.7	2.06 \pm 0.23 E-02	(1.25 \pm 0.14 E-02)
02/03/92	607.9	2.36 \pm 0.21 E-02	(1.95 \pm 0.16 E-02)
02/10/92	507.2	1.90 \pm 0.22 E-02	(1.50 \pm 0.16 E-02)
02/17/92	611.4	1.87 \pm 0.19 E-02	(1.45 \pm 0.15 E-02)
02/24/92	617.7	1.45 \pm 0.18 E-02	(1.28 \pm 0.14 E-02)
03/02/92	621.1	1.43 \pm 0.18 E-02	(1.22 \pm 0.13 E-02)
03/09/92	605.6	1.68 \pm 0.19 E-02	(1.20 \pm 0.15 E-02)
03/15/92	537.1	1.89 \pm 0.21 E-02	(1.37 \pm 0.16 E-02)
03/23/92	646.6	1.91 \pm 0.19 E-02	(1.32 \pm 0.14 E-02)
03/29/92	532.8	1.89 \pm 0.21 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 19

FIRST QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	811.8	1.15 \pm 0.14 E-02	(1.14 \pm 0.21 E-02)
01/12/92	698.0	1.92 \pm 0.18 E-02	(2.12 \pm 0.19 E-02)
01/20/92	918.6	1.77 \pm 0.14 E-02	(1.42 \pm 0.13 E-02)
01/27/92	812.2	1.54 \pm 0.15 E-02	(1.25 \pm 0.14 E-02)
02/03/92	821.2	1.96 \pm 0.16 E-02	(1.95 \pm 0.16 E-02)
02/10/92	660.7	1.68 \pm 0.18 E-02	(1.50 \pm 0.16 E-02)
02/17/92	801.7	1.55 \pm 0.15 E-02	(1.45 \pm 0.15 E-02)
02/24/92	803.3	1.29 \pm 0.14 E-02	(1.28 \pm 0.14 E-02)
03/02/92	801.4	1.40 \pm 0.15 E-02	(1.22 \pm 0.13 E-02)
03/09/92	784.8	1.34 \pm 0.15 E-02	(1.20 \pm 0.15 E-02)
03/15/92	649.2	1.99 \pm 0.19 E-02	(1.37 \pm 0.16 E-02)
03/23/92	765.0	1.49 \pm 0.15 E-02	(1.32 \pm 0.14 E-02)
03/29/92	699.5	1.46 \pm 0.16 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 20

FIRST QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	770.3	1.33 \pm 0.15 E-02	(1.14 \pm 0.21 E-02)
01/12/92	658.9	2.37 \pm 0.20 E-02	(2.12 \pm 0.19 E-02)
01/20/92	874.2	1.93 \pm 0.15 E-02	(1.42 \pm 0.13 E-02)
01/27/92	767.6	1.86 \pm 0.17 E-02	(1.25 \pm 0.14 E-02)
02/03/92	767.8	2.58 \pm 0.19 E-02	(1.95 \pm 0.16 E-02)
02/10/92	728.7	1.77 \pm 0.17 E-02	(1.50 \pm 0.16 E-02)
02/17/92	765.3	1.83 \pm 0.17 E-02	(1.45 \pm 0.15 E-02)
02/24/92	762.5	1.53 \pm 0.16 E-02	(1.28 \pm 0.14 E-02)
03/02/92	774.5	1.46 \pm 0.16 E-02	(1.22 \pm 0.13 E-02)
03/09/92	755.7	1.66 \pm 0.16 E-02	(1.20 \pm 0.15 E-02)
03/15/92	638.8	2.05 \pm 0.20 E-02	(1.37 \pm 0.16 E-02)
03/23/92	873.9	1.79 \pm 0.15 E-02	(1.32 \pm 0.14 E-02)
03/29/92	665.2	1.84 \pm 0.18 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 21

FIRST QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	653.8	1.76 \pm 0.18 E-02	(1.14 \pm 0.21 E-02)
01/12/92	558.7	3.15 \pm 0.25 E-02	(2.12 \pm 0.19 E-02)
01/20/92	737.8	2.30 \pm 0.18 E-02	(1.42 \pm 0.13 E-02)
01/27/92	654.5	2.40 \pm 0.20 E-02	(1.25 \pm 0.14 E-02)
02/03/92	657.6	2.90 \pm 0.22 E-02	(1.95 \pm 0.16 E-02)
02/10/92	581.2	2.47 \pm 0.22 E-02	(1.50 \pm 0.16 E-02)
02/17/92	655.7	2.29 \pm 0.20 E-02	(1.45 \pm 0.15 E-02)
02/24/92	659.1	1.92 \pm 0.19 E-02	(1.28 \pm 0.14 E-02)
03/02/92	650.3	1.95 \pm 0.19 E-02	(1.22 \pm 0.13 E-02)
03/09/92	652.4	2.31 \pm 0.20 E-02	(1.20 \pm 0.15 E-02)
03/15/92	536.0	2.39 \pm 0.23 E-02	(1.37 \pm 0.16 E-02)
03/23/92	730.9	1.83 \pm 0.17 E-02	(1.32 \pm 0.14 E-02)
03/29/92	564.1	2.14 \pm 0.21 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 22

FIRST QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	826.2	1.24 \pm 0.14 E-02	(1.14 \pm 0.21 E-02)
01/12/92	699.4	2.40 \pm 0.20 E-02	(2.12 \pm 0.19 E-02)
01/20/92	901.5	1.84 \pm 0.15 E-02	(1.42 \pm 0.13 E-02)
01/27/92	778.2	1.93 \pm 0.17 E-02	(1.25 \pm 0.14 E-02)
02/03/92	816.7	2.24 \pm 0.17 E-02	(1.95 \pm 0.16 E-02)
02/10/92	713.2	2.00 \pm 0.18 E-02	(1.50 \pm 0.16 E-02)
02/17/92	820.2	1.80 \pm 0.16 E-02	(1.45 \pm 0.15 E-02)
02/24/92	825.0	1.50 \pm 0.15 E-02	(1.28 \pm 0.14 E-02)
03/02/92	825.3	1.56 \pm 0.15 E-02	(1.22 \pm 0.13 E-02)
03/09/92	720.6	1.39 \pm 0.16 E-02	(1.20 \pm 0.15 E-02)
03/15/92	706.7	1.95 \pm 0.18 E-02	(1.37 \pm 0.16 E-02)
03/23/92	758.0	1.87 \pm 0.17 E-02	(1.32 \pm 0.14 E-02)
03/29/92	707.3	1.72 \pm 0.17 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 23

FIRST QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	750.2	1.16 \pm 0.14 E-02	(1.14 \pm 0.21 E-02)
01/12/92	641.2	2.63 \pm 0.21 E-02	(2.12 \pm 0.19 E-02)
01/20/92	834.0	1.93 \pm 0.16 E-02	(1.42 \pm 0.13 E-02)
01/27/92	710.0	1.82 \pm 0.17 E-02	(1.25 \pm 0.14 E-02)
02/03/92	744.6	2.32 \pm 0.19 E-02	(1.95 \pm 0.16 E-02)
02/10/92	617.3	1.93 \pm 0.20 E-02	(1.50 \pm 0.16 E-02)
02/17/92	746.2	1.82 \pm 0.17 E-02	(1.45 \pm 0.15 E-02)
02/24/92	743.4	1.59 \pm 0.16 E-02	(1.28 \pm 0.14 E-02)
03/02/92	744.6	1.56 \pm 0.16 E-02	(1.22 \pm 0.13 E-02)
03/09/92	714.7	1.66 \pm 0.17 E-02	(1.20 \pm 0.15 E-02)
03/15/92	610.8	2.14 \pm 0.21 E-02	(1.37 \pm 0.16 E-02)
03/23/92	803.2	1.80 \pm 0.16 E-02	(1.32 \pm 0.14 E-02)
03/29/92	641.8	1.72 \pm 0.18 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 24

FIRST QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
01/06/92	529.8	1.21 \pm 0.18 E-02	(1.14 \pm 0.21 E-02)
01/12/92	439.6	2.67 \pm 0.27 E-02	(2.12 \pm 0.19 E-02)
01/20/92	584.8	1.95 \pm 0.20 E-02	(1.42 \pm 0.13 E-02)
01/27/92	506.2	2.00 \pm 0.22 E-02	(1.25 \pm 0.14 E-02)
02/03/92	511.9	2.29 \pm 0.23 E-02	(1.95 \pm 0.16 E-02)
02/10/92	446.6	2.05 \pm 0.25 E-02	(1.50 \pm 0.16 E-02)
02/17/92	512.5	1.96 \pm 0.22 E-02	(1.45 \pm 0.15 E-02)
02/24/92	512.2	1.63 \pm 0.21 E-02	(1.28 \pm 0.14 E-02)
03/02/92	514.6	1.66 \pm 0.21 E-02	(1.22 \pm 0.13 E-02)
03/09/92	514.4	1.63 \pm 0.20 E-02	(1.20 \pm 0.15 E-02)
03/15/92	437.9	1.98 \pm 0.25 E-02	(1.37 \pm 0.16 E-02)
03/23/92	575.8	1.69 \pm 0.19 E-02	(1.32 \pm 0.14 E-02)
03/29/92	437.4	1.83 \pm 0.24 E-02	(1.55 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 25

SECOND QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
04/05/92	893.6	(1.46 \pm 0.14 E-02)
04/12/92	742.5	(1.82 \pm 0.17 E-02)
04/19/92	896.4	(1.91 \pm 0.16 E-02)
04/26/92	943.0	(1.36 \pm 0.13 E-02)
05/03/92	874.4	(1.51 \pm 0.14 E-02)
05/10/92	909.0	(1.22 \pm 0.13 E-02)
05/17/92	879.1	(1.60 \pm 0.14 E-02)
05/24/92	940.4	(1.86 \pm 0.15 E-02)
05/31/92	943.9	(1.40 \pm 0.13 E-02)
06/07/92	904.9	(1.40 \pm 0.14 E-02)
06/14/92	908.5	(1.25 \pm 0.13 E-02)
06/21/92	907.6	(1.51 \pm 0.14 E-02)
06/29/92	1030.6	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 26

SECOND QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	596.1	1.98 \pm 0.20 E-02	(1.46 \pm 0.14 E-02)
04/12/92	530.0	2.40 \pm 0.23 E-02	(1.82 \pm 0.17 E-02)
04/19/92	594.3	2.25 \pm 0.21 E-02	(1.91 \pm 0.16 E-02)
04/26/92	634.1	1.89 \pm 0.19 E-02	(1.36 \pm 0.13 E-02)
05/03/92	579.4	1.87 \pm 0.20 E-02	(1.51 \pm 0.14 E-02)
05/10/92	572.2	1.41 \pm 0.18 E-02	(1.22 \pm 0.13 E-02)
05/17/92	618.3	2.05 \pm 0.19 E-02	(1.60 \pm 0.14 E-02)
05/24/92	640.0	2.13 \pm 0.19 E-02	(1.86 \pm 0.15 E-02)
05/31/92	622.8	1.98 \pm 0.19 E-02	(1.40 \pm 0.13 E-02)
06/07/92	730.7	1.19 \pm 0.15 E-02	(1.40 \pm 0.14 E-02)
06/21/92	853.4	1.43 \pm 0.14 E-02	(1.51 \pm 0.14 E-02)
06/29/92	1017.5	1.86 \pm 0.14 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 27

SECOND QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	778.8	1.69 \pm 0.16 E-02	(1.46 \pm 0.14 E-02)
04/12/92	689.0	2.12 \pm 0.19 E-02	(1.82 \pm 0.17 E-02)
04/19/92	754.2	2.14 \pm 0.18 E-02	(1.91 \pm 0.16 E-02)
04/26/92	817.2	1.59 \pm 0.15 E-02	(1.36 \pm 0.13 E-02)
05/03/92	802.8	1.67 \pm 0.15 E-02	(1.51 \pm 0.14 E-02)
05/10/92	801.2	1.05 \pm 0.13 E-02	(1.22 \pm 0.13 E-02)
05/17/92	797.2	1.67 \pm 0.15 E-02	(1.60 \pm 0.14 E-02)
05/24/92	809.7	1.85 \pm 0.16 E-02	(1.86 \pm 0.15 E-02)
05/31/92	818.6	1.37 \pm 0.14 E-02	(1.40 \pm 0.13 E-02)
06/07/92	842.2	1.26 \pm 0.14 E-02	(1.40 \pm 0.14 E-02)
06/14/92	811.0	1.45 \pm 0.15 E-02	(1.25 \pm 0.13 E-02)
06/21/92	823.2	1.62 \pm 0.15 E-02	(1.51 \pm 0.14 E-02)
06/29/92	910.3	1.66 \pm 0.14 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 28

SECOND QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	756.4	1.92 \pm 0.17 E-02	(1.46 \pm 0.14 E-02)
04/12/92	759.0	2.10 \pm 0.18 E-02	(1.82 \pm 0.17 E-02)
04/19/92	765.3	2.18 \pm 0.18 E-02	(1.91 \pm 0.16 E-02)
04/26/92	787.9	1.82 \pm 0.16 E-02	(1.36 \pm 0.13 E-02)
05/03/92	772.6	1.86 \pm 0.16 E-02	(1.51 \pm 0.14 E-02)
05/10/92	776.2	1.19 \pm 0.14 E-02	(1.22 \pm 0.13 E-02)
05/17/92	761.0	1.89 \pm 0.17 E-02	(1.60 \pm 0.14 E-02)
05/24/92	770.0	2.13 \pm 0.17 E-02	(1.86 \pm 0.15 E-02)
05/31/92	787.0	1.57 \pm 0.15 E-02	(1.40 \pm 0.13 E-02)
06/07/92	859.2	1.57 \pm 0.15 E-02	(1.40 \pm 0.14 E-02)
06/14/92	866.0	1.39 \pm 0.14 E-02	(1.25 \pm 0.13 E-02)
06/21/92	1031.5	1.39 \pm 0.12 E-02	(1.51 \pm 0.14 E-02)
06/29/92	1182.3	1.51 \pm 0.12 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 29

SECOND QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	646.8	2.11 \pm 0.20 E-02	(1.46 \pm 0.14 E-02)
04/12/92	647.6	2.39 \pm 0.20 E-02	(1.82 \pm 0.17 E-02)
04/19/92	644.5	2.37 \pm 0.21 E-02	(1.91 \pm 0.16 E-02)
04/26/92	668.0	1.90 \pm 0.18 E-02	(1.36 \pm 0.13 E-02)
05/03/92	656.9	2.07 \pm 0.19 E-02	(1.51 \pm 0.14 E-02)
05/10/92	654.6	1.43 \pm 0.17 E-02	(1.22 \pm 0.13 E-02)
05/17/92	650.8	2.42 \pm 0.20 E-02	(1.60 \pm 0.14 E-02)
05/24/92	668.6	2.37 \pm 0.20 E-02	(1.86 \pm 0.15 E-02)
05/31/92	667.8	1.84 \pm 0.18 E-02	(1.40 \pm 0.13 E-02)
06/07/92	829.0	1.46 \pm 0.15 E-02	(1.40 \pm 0.14 E-02)
06/14/92	813.0	1.52 \pm 0.15 E-02	(1.25 \pm 0.13 E-02)
06/21/92	833.9	1.64 \pm 0.15 E-02	(1.51 \pm 0.14 E-02)
06/29/92	927.4	1.91 \pm 0.15 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 30

SECOND QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	772.0	1.86 \pm 0.17 E-02	(1.46 \pm 0.14 E-02)
04/12/92	699.8	2.44 \pm 0.20 E-02	(1.82 \pm 0.17 E-02)
04/19/92	795.6	2.31 \pm 0.18 E-02	(1.91 \pm 0.16 E-02)
04/26/92	829.7	1.73 \pm 0.15 E-02	(1.36 \pm 0.13 E-02)
05/03/92	742.8	1.83 \pm 0.17 E-02	(1.51 \pm 0.14 E-02)
05/10/92	730.3	1.32 \pm 0.15 E-02	(1.22 \pm 0.13 E-02)
05/17/92	788.6	1.92 \pm 0.16 E-02	(1.60 \pm 0.14 E-02)
05/24/92	812.3	2.22 \pm 0.17 E-02	(1.86 \pm 0.15 E-02)
05/31/92	811.4	1.62 \pm 0.15 E-02	(1.40 \pm 0.13 E-02)
06/07/92	815.4	1.54 \pm 0.15 E-02	(1.40 \pm 0.14 E-02)
06/14/92	831.5	1.38 \pm 0.14 E-02	(1.25 \pm 0.13 E-02)
06/21/92	842.3	1.74 \pm 0.15 E-02	(1.51 \pm 0.14 E-02)
06/29/92	880.6	1.84 \pm 0.15 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 31

SECOND QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	745.3	1.86 \pm 0.17 E-02	(1.46 \pm 0.14 E-02)
04/12/92	708.2	2.20 \pm 0.19 E-02	(1.82 \pm 0.17 E-02)
04/19/92	736.8	2.32 \pm 0.19 E-02	(1.91 \pm 0.16 E-02)
04/26/92	764.9	1.90 \pm 0.17 E-02	(1.36 \pm 0.13 E-02)
05/03/92	754.2	1.82 \pm 0.17 E-02	(1.51 \pm 0.14 E-02)
05/10/92	738.6	1.35 \pm 0.15 E-02	(1.22 \pm 0.13 E-02)
05/17/92	731.8	1.96 \pm 0.17 E-02	(1.60 \pm 0.14 E-02)
05/24/92	764.3	2.14 \pm 0.17 E-02	(1.86 \pm 0.15 E-02)
05/31/92	765.6	1.62 \pm 0.16 E-02	(1.40 \pm 0.13 E-02)
06/07/92	741.4	1.69 \pm 0.16 E-02	(1.40 \pm 0.14 E-02)
06/14/92	738.0	1.37 \pm 0.15 E-02	(1.25 \pm 0.13 E-02)
06/21/92	762.0	1.82 \pm 0.16 E-02	(1.51 \pm 0.14 E-02)
06/29/92	851.1	2.20 \pm 0.17 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 32

SECOND QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
04/05/92	497.8	2.00 \pm 0.23 E-02	(1.46 \pm 0.14 E-02)
04/12/92	494.2	2.40 \pm 0.24 E-02	(1.82 \pm 0.17 E-02)
04/19/92	516.9	2.25 \pm 0.23 E-02	(1.91 \pm 0.16 E-02)
04/26/92	523.0	1.82 \pm 0.21 E-02	(1.36 \pm 0.13 E-02)
05/03/92	514.4	1.71 \pm 0.20 E-02	(1.51 \pm 0.14 E-02)
05/10/92	504.9	1.39 \pm 0.19 E-02	(1.22 \pm 0.13 E-02)
05/17/92	510.8	2.24 \pm 0.23 E-02	(1.60 \pm 0.14 E-02)
05/24/92	523.2	1.84 \pm 0.20 E-02	(1.86 \pm 0.15 E-02)
05/31/92	513.6	1.78 \pm 0.21 E-02	(1.40 \pm 0.13 E-02)
06/07/92	641.1	1.34 \pm 0.17 E-02	(1.40 \pm 0.14 E-02)
06/14/92	449.3	1.18 \pm 0.20 E-02	(1.25 \pm 0.13 E-02)
06/29/92	585.0	1.58 \pm 0.19 E-02	(1.74 \pm 0.14 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 33

FIRST QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10071.9 CUBIC METERS

ISOTOPE

CONTROL ACTIVITY

BE-7

(8.94 \pm 0.79 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 34

FIRST QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 8000.1 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.12 \pm 0.08 E-01

(8.94 \pm 0.79 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 35

FIRST QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10027.4 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.06 \pm 0.08 E-01

(8.94 \pm 0.79 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 36

FIRST QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9803.4 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

9.26 \pm 0.67 E-02

(8.94 \pm 0.79 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 37

FIRST QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 8292.1 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.33 \pm 0.09 E-01

(8.94 \pm 0.79 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 38

FIRST QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10098.3 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.17 \pm 0.07 \text{ E-01}$	$(8.94 \pm 0.79 \text{ E-02})$
BI-214	$5.12 \pm 4.40 \text{ E-04}$	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 39

FIRST QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9302 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

$1.28 \pm 0.08 \text{ E-01}$

$(8.94 \pm 0.79 \text{ E-02})$

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 40

FIRST QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 6523.7 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$9.73 \pm 0.79 \text{ E-02}$	$(8.94 \pm 0.79 \text{ E-02})$
K-40	$7.31 \pm 6.13 \text{ E-03}$	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 41

SECOND QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 11773.9 CUBIC METERS

ISOTOPE

CONTROL ACTIVITY

BE-7

(1.13 \pm 0.72 E-01)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 42

SECOND QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 7988.8 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.47 \pm 0.09 \text{ E-01}$	$(1.13 \pm 0.72 \text{ E-01})$
BI-214	$8.27 \pm 4.09 \text{ E-04}$	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 43

SECOND QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10455.4 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.11 \pm 0.07 \text{ E-01}$	$(1.13 \pm 0.72 \text{ E-01})$
BI-214	$1.40 \pm 0.48 \text{ E-03}$	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 44

SECOND QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10874.4 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.13 \pm 0.07 E-01

(1.13 \pm 0.72 E-01)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 45

SECOND QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9308.9 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.35 \pm 0.09 E-01

(1.13 \pm 0.72 E-01)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 46

SECOND QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10352.3 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.18 \pm 0.08 E-01	(1.13 \pm 0.72 E-01)
K-40	6.57 \pm 2.81 E-03	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 47

SECOND QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9802.2 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.29 \pm 0.09 E-01

(1.13 \pm 0.72 E-01)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 48

SECOND QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 6274.2 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$8.47 \pm 1.02 \text{ E-02}$	$(1.13 \pm 0.72 \text{ E-01})$
K-40	$2.00 \pm 0.84 \text{ E-02}$	(LESS THAN LLD)

AQUATIC VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 49

ANNUAL, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (AV-41)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 525.9 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

K-40	(2.01 ± 0.14 E+00)
I-131	(< 1.97E-02)
CS-134	(< 1.54E-02)
CS-137	(1.85 ± 0.67 E-02)
TL-208	(2.95 ± 0.87 E-02)
PB-212	(1.08 ± 0.11 E-01)
PB-214	(1.35 ± 0.17 E-01)
BI-214	(1.15 ± 0.16 E-01)
RA-226	(4.77 ± 1.52 E-01)
AC-228	(1.62 ± 0.24 E-01)

AQUATIC VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 50

ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (AV-45)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 520.1 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$7.82 \pm 0.85 \text{ E-01}$	(LESS THAN LLD)
K-40	$1.28 \pm 0.14 \text{ E+00}$	$(2.01 \pm 0.14 \text{ E+00})$
MN-54	$4.12 \pm 1.26 \text{ E-02}$	(LESS THAN LLD)
CO-58	$1.37 \pm 0.03 \text{ E+00}$	(LESS THAN LLD)
CO-60	$1.52 \pm 0.03 \text{ E+00}$	(LESS THAN LLD)
I-131	$< 3.36\text{E-02}$	$(< 1.97\text{E-02})$
CS-134	$< 2.78\text{E-02}$	$(< 1.54\text{E-02})$
CS-137	$4.48 \pm 1.05 \text{ E-02}$	$(1.85 \pm 0.67 \text{ E-02})$
TL-208	$3.36 \pm 1.23 \text{ E-02}$	$(2.95 \pm 0.87 \text{ E-02})$
PB-212	$7.51 \pm 1.52 \text{ E-02}$	$(1.08 \pm 0.11 \text{ E-01})$
PB-214	$2.09 \pm 0.26 \text{ E-01}$	$(1.35 \pm 0.17 \text{ E-01})$
BI-214	$2.04 \pm 0.32 \text{ E-01}$	$(1.15 \pm 0.16 \text{ E-01})$
RA-226	$3.31 \pm 1.77 \text{ E-01}$	$(4.77 \pm 1.52 \text{ E-01})$
AC-228	LESS THAN LLD	$(1.62 \pm 0.24 \text{ E-01})$

AQUATIC VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 51

ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (AV-46)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 512.7 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	5.79 \pm 0.74 E-01	(LESS THAN LLD)
K-40	4.56 \pm 0.85 E-01	(2.01 \pm 0.14 E+00)
CO-58	2.73 \pm 0.12 E-01	(LESS THAN LLD)
CO-60	5.74 \pm 1.02 E-02	(LESS THAN LLD)
I-131	< 2.28E-02	(< 1.97E-02)
CS-134	< 1.76E-02	(< 1.54E-02)
CS-137	< 1.67E-02	(1.85 \pm 0.67 E-02)
TL-208	LESS THAN LLD	(2.95 \pm 0.87 E-02)
PB-212	2.41 \pm 1.09 E-02	(1.08 \pm 0.11 E-01)
PB-214	1.84 \pm 0.22 E-01	(1.35 \pm 0.17 E-01)
BI-214	1.39 \pm 0.19 E-01	(1.15 \pm 0.16 E-01)
RA-226	3.24 \pm 1.60 E-01	(4.77 \pm 1.52 E-01)
AC-228	2.17 \pm 0.31 E-01	(1.62 \pm 0.24 E-01)

AQUATIC VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 52

ANNUAL, 1992

10.1 MI E - AUBURNDALE PLANTATION (AV-54)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 572.7 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	3.14 \pm 0.58 E-01	(LESS THAN LLD)
K-40	2.87 \pm 0.14 E+00	(2.01 \pm 0.14 E+00)
CO-58	4.54 \pm 0.81 E-02	(LESS THAN LLD)
CO-60	3.84 \pm 0.76 E-02	(LESS THAN LLD)
I-131	< 1.76E-02	(< 1.97E-02)
CS-134	< 1.69E-02	(< 1.54E-02)
CS-137	< 1.64E-02	(1.85 \pm 0.67 E-02)
TL-208	3.86 \pm 0.80 E-02	(2.95 \pm 0.87 E-02)
PB-212	7.94 \pm 0.87 E-02	(1.08 \pm 0.11 E-01)
PB-214	2.74 \pm 0.17 E-01	(1.35 \pm 0.17 E-01)
BI-212	1.92 \pm 0.70 E-01	(LESS THAN LLD)
BI-214	2.82 \pm 0.16 E-01	(1.15 \pm 0.16 E-01)
RA-226	7.71 \pm 1.56 E-01	(4.77 \pm 1.52 E-01)
AC-228	2.74 \pm 0.33 E-01	(1.62 \pm 0.24 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 53

MAY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 05/25/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 455 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$8.34 \pm 0.64 \text{ E-01}$	$(2.87 \pm 0.48 \text{ E-01})$
K-40	$3.28 \pm 0.17 \text{ E+00}$	$(3.18 \pm 0.15 \text{ E+00})$
I-131	$< 1.48\text{E-02}$	$(< 1.48\text{E-02})$
CS-134	$< 1.45\text{E-02}$	$(< 1.56\text{E-02})$
CS-137	$1.13 \pm 0.09 \text{ E-01}$	$(< 1.55\text{E-02})$
TL-208	$1.72 \pm 0.70 \text{ E-02}$	(LESS THAN LLD)
PB-212	$2.41 \pm 1.06 \text{ E-02}$	(LESS THAN LLD)
PB-214	LESS THAN LLD	$(1.74 \pm 1.31 \text{ E-02})$
RA-226	$1.43 \pm 1.37 \text{ E-01}$	$(4.69 \pm 1.70 \text{ E-01})$
AC-228	LESS THAN LLD	$(1.48 \pm 0.26 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 54

MAY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 05/25/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 436 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$2.32 \pm 0.63 \text{ E-01}$	$(2.87 \pm 0.48 \text{ E-01})$
K-40	$2.85 \pm 0.19 \text{ E+00}$	$(3.18 \pm 0.15 \text{ E+00})$
I-131	$< 1.69\text{E-02}$	$(< 1.48\text{E-02})$
CS-134	$< 1.87\text{E-02}$	$(< 1.56\text{E-02})$
CS-137	$1.61 \pm 0.51 \text{ E-02}$	$(< 1.55\text{E-02})$
TL-208	$2.70 \pm 1.01 \text{ E-02}$	(LESS THAN LLD)
PB-212	$6.80 \pm 1.49 \text{ E-02}$	(LESS THAN LLD)
PB-214	LESS THAN LLD	$(1.74 \pm 1.31 \text{ E-02})$
RA-226	$1.66 \pm 1.41 \text{ E-01}$	$(4.69 \pm 1.70 \text{ E-01})$
AC-228	$2.81 \pm 0.36 \text{ E-01}$	$(1.48 \pm 0.26 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 55

MAY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 05/25/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 508.7 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(2.87 \pm 0.48 E-01)

K-40

(3.18 \pm 0.15 E+00)

I-131

(< 1.48E-02)

CS-134

(< 1.56E-02)

CS-137

(< 1.55E-02)

PB-214

(1.74 \pm 1.31 E-02)

RA-226

(4.69 \pm 1.70 E-01)

AC-228

(1.48 \pm 0.26 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 56

MAY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 05/25/92)

OAK

GAMMA SPECTROMETRY

MASS: 390.3 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$4.23 \pm 0.92 \text{ E-01}$	$(4.66 \pm 0.75 \text{ E-01})$
K-40	$1.70 \pm 0.17 \text{ E+00}$	$(1.89 \pm 0.18 \text{ E+00})$
I-131	$< 2.03\text{E-02}$	$(< 1.93\text{E-02})$
CS-134	$< 1.77\text{E-02}$	$(< 1.83\text{E-02})$
CS-137	$2.39 \pm 0.14 \text{ E-01}$	$(2.50 \pm 0.13 \text{ E-01})$
TL-208	LESS THAN LLD	$(1.34 \pm 1.01 \text{ E-02})$
PB-212	LESS THAN LLD	$(2.58 \pm 1.02 \text{ E-02})$
RA-226	$2.81 \pm 2.60 \text{ E-01}$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 57

MAY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 05/25/92)

OAK

GAMMA SPECTROMETRY

MASS: 378 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	5.76 \pm 0.60 E-01	(4.66 \pm 0.75 E-01)
K-40	1.81 \pm 0.17 E+00	(1.89 \pm 0.18 E+00)
I-131	< 1.62E-02	(< 1.93E-02)
CS-134	< 1.60E-02	(< 1.83E-02)
CS-137	2.01 \pm 0.13 E-01	(2.50 \pm 0.13 E-01)
TL-208	LESS THAN LLD	(1.34 \pm 1.01 E-02)
PB-212	2.64 \pm 1.39 E-02	(2.58 \pm 1.02 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 58

MAY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 05/25/92)

OAK

GAMMA SPECTROMETRY

MASS: 354.5 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7	(4.66 \pm 0.75 E-01)
K-40	(1.89 \pm 0.18 E+00)
I-131	(< 1.93E-02)
CS-134	(< 1.83E-02)
CS-137	(2.50 \pm 0.13 E-01)
TL-208	(1.34 \pm 1.01 E-02)
PB-212	(2.58 \pm 1.02 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 59

MAY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 05/25/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 457.8 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$2.95 \pm 0.50 \text{ E-01}$	$(1.06 \pm 0.07 \text{ E+00})$
K-40	$3.34 \pm 0.18 \text{ E+00}$	$(3.76 \pm 0.18 \text{ E+00})$
I-131	$< 1.52\text{E-02}$	$(< 1.56\text{E-02})$
CS-134	$< 1.95\text{E-02}$	$(< 1.49\text{E-02})$
CS-137	$< 1.76\text{E-02}$	$(1.59 \pm 0.10 \text{ E-01})$
TL-208	$1.64 \pm 0.72 \text{ E-02}$	(LESS THAN LLD)
PB-212	$5.17 \pm 1.19 \text{ E-02}$	$(2.30 \pm 1.05 \text{ E-02})$
RA-226	$2.14 \pm 1.36 \text{ E-01}$	(LESS THAN LLD)
AC-228	$2.04 \pm 0.29 \text{ E-01}$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 60

MAY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 05/25/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 391.6 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$6.03 \pm 0.70 \text{ E-01}$	$(1.06 \pm 0.07 \text{ E+00})$
K-40	$3.04 \pm 0.18 \text{ E+00}$	$(3.76 \pm 0.18 \text{ E+00})$
I-131	$< 1.90\text{E-02}$	$(< 1.56\text{E-02})$
CS-134	$< 1.82\text{E-02}$	$(< 1.49\text{E-02})$
CS-137	$1.29 \pm 0.10 \text{ E-01}$	$(1.59 \pm 0.10 \text{ E-01})$
PB-212	$1.44 \pm 1.21 \text{ E-02}$	$(2.30 \pm 1.05 \text{ E-02})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 61

MAY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 05/25/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 505.7 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(1.06 \pm 0.07 E+00)

K-40

(3.76 \pm 0.18 E+00)

I-131

(< 1.56E-02)

CS-134

(< 1.49E-02)

CS-137

(1.59 \pm 0.10 E-01)

PB-212

(2.30 \pm 1.05 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 62

JUNE, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 06/21/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 539.2 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$4.13 \pm 0.55 \text{ E-01}$	(LESS THAN LLD)
K-40	$3.60 \pm 0.16 \text{ E+00}$	$(2.14 \pm 0.16 \text{ E+00})$
I-131	$< 1.74\text{E-02}$	$(< 2.45\text{E-02})$
CS-134	$< 1.52\text{E-02}$	$(< 1.76\text{E-02})$
CS-137	$< 1.71\text{E-02}$	$(< 1.80\text{E-02})$
PB-212	$2.72 \pm 1.00 \text{ E-02}$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 63

JUNE, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 06/21/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 549.5 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$3.45 \pm 0.55 \text{ E-01}$	(LESS THAN LLD)
K-40	$3.22 \pm 0.15 \text{ E+00}$	$(2.14 \pm 0.16 \text{ E+00})$
I-131	$< 1.50\text{E-02}$	$(< 2.45\text{E-02})$
CS-134	$< 1.29\text{E-02}$	$(< 1.76\text{E-02})$
CS-137	$3.74 \pm 0.75 \text{ E-02}$	$(< 1.80\text{E-02})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 64

JUNE, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 06/21/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 487 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

K-40

(2.14 ± 0.16 E+00)

I-131

(< 2.45E-02)

CS-134

(< 1.76E-02)

CS-137

(< 1.80E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 65

JUNE, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 06/21/92)

OAK

GAMMA SPECTROMETRY

MASS: 292.8 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.07 \pm 0.13 E+00	(1.09 \pm 0.11 E+00)
K-40	1.58 \pm 0.22 E+00	(1.70 \pm 0.22 E+00)
I-131	< 3.35E-02	(< 3.38E-02)
CS-134	< 2.69E-02	(< 2.57E-02)
CS-137	4.00 \pm 0.21 E-01	(5.27 \pm 0.22 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 66

JUNE, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 06/21/92)

OAK

GAMMA SPECTROMETRY

MASS: 311.9 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.41 \pm 0.13 \text{ E}+00$	$(1.09 \pm 0.11 \text{ E}+00)$
K-40	$1.84 \pm 0.18 \text{ E}+00$	$(1.70 \pm 0.22 \text{ E}+00)$
I-131	$< 3.15\text{E}-02$	$(< 3.38\text{E}-02)$
CS-134	$< 2.12\text{E}-02$	$(< 2.57\text{E}-02)$
CS-137	$7.22 \pm 0.23 \text{ E}-01$	$(5.27 \pm 0.22 \text{ E}-01)$

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 73

FIRST SEMI-ANNUAL, 1992

13 MI NNW - LAKE BEE - CONTROL (F1-47)
(DATE COLLECTED: 05/20/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 276 GRAMS FRESH

ISOTOPE

CONTROL ACTIVITY

K-40

(3.39 \pm 0.51 E+00)

CS-137

(9.57 \pm 2.79 E-02)

PB-212

(6.12 \pm 4.79 E-02)

PB-214

(5.18 \pm 0.63 E-01)

BI-214

(3.79 \pm 0.86 E-01)

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 72

FIRST SEMI-ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (F1-46)
(DATE COLLECTED: 05/20/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 512.2 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$4.61 \pm 0.36 \text{ E}+00$	$(3.39 \pm 0.51 \text{ E}+00)$
CS-137	$7.82 \pm 1.37 \text{ E}-02$	$(9.57 \pm 2.79 \text{ E}-02)$
PB-212	LESS THAN LLD	$(6.12 \pm 4.79 \text{ E}-02)$
PB-214	LESS THAN LLD	$(5.18 \pm 0.63 \text{ E}-01)$
BI-214	$6.94 \pm 2.59 \text{ E}-02$	$(3.79 \pm 0.86 \text{ E}-01)$

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 71

FIRST SEMI-ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (F1-45)
(DATE COLLECTED: 05/20/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 401 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	4.98 ± 0.38 E+00	(3.39 ± 0.51 E+00)
CS-137	1.34 ± 0.20 E-01	(9.57 ± 2.79 E-02)
PB-212	LESS THAN LLD	(6.12 ± 4.79 E-02)
PB-214	LESS THAN LLD	(5.18 ± 0.63 E-01)
BI-214	LESS THAN LLD	(3.79 ± 0.86 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 70

JUNE, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 06/21/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 430.3 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(1.11 \pm 0.08 E+00)

K-40

(3.28 \pm 0.19 E+00)

I-131

(< 2.18E-02)

CS-134

(< 1.86E-02)

CS-137

(1.02 \pm 0.10 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 69

JUNE, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 06/21/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 418 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$9.75 \pm 1.07 \text{ E-01}$	$(1.11 \pm 0.08 \text{ E+00})$
K-40	$2.60 \pm 0.21 \text{ E+00}$	$(3.28 \pm 0.19 \text{ E+00})$
I-131	$< 2.43\text{E-02}$	$(< 2.18\text{E-02})$
CS-134	$< 1.58\text{E-02}$	$(< 1.86\text{E-02})$
CS-137	$1.60 \pm 0.13 \text{ E-01}$	$(1.02 \pm 0.10 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 68

JUNE, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 06/21/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 403.2 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.20 \pm 0.09 \text{ E}+00$	$(1.11 \pm 0.08 \text{ E}+00)$
K-40	$2.79 \pm 0.18 \text{ E}+00$	$(3.28 \pm 0.19 \text{ E}+00)$
I-131	$< 1.90\text{E}-02$	$(< 2.18\text{E}-02)$
CS-134	$< 1.74\text{E}-02$	$(< 1.86\text{E}-02)$
CS-137	$1.27 \pm 0.12 \text{ E}-01$	$(1.02 \pm 0.10 \text{ E}-01)$
BI-214	$3.68 \pm 1.72 \text{ E}-02$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 67

JUNE, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 06/21/92)

OAK

GAMMA SPECTROMETRY

MASS: 330.3 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(1.09 \pm 0.11 E+00)

K-40

(1.70 \pm 0.22 E+00)

I-131

(< 3.38E-02)

CS-134

(< 2.57E-02)

CS-137

(5.27 \pm 0.22 E-01)

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 74

FIRST SEMI-ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (F2-45)
(DATE COLLECTED: 05/20/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 480 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$3.57 \pm 0.36 \text{ E}+00$	$(2.32 \pm 0.34 \text{ E}+00)$
CS-137	$8.97 \pm 1.81 \text{ E}-02$	$(1.76 \pm 0.24 \text{ E}-01)$
TL-208	LESS THAN LLD	$(2.56 \pm 1.30 \text{ E}-02)$
PB-212	LESS THAN LLD	$(4.43 \pm 2.49 \text{ E}-02)$
PB-214	LESS THAN LLD	$(2.02 \pm 0.40 \text{ E}-01)$
BI-214	$4.25 \pm 2.70 \text{ E}-02$	$(2.27 \pm 0.38 \text{ E}-01)$
RA-226	LESS THAN LLD	$(5.97 \pm 3.62 \text{ E}-01)$

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 75

FIRST SEMI-ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (F2-46)
(DATE COLLECTED: 05/20/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 422.2 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$4.10 \pm 0.44 \text{ E}+00$	$(2.32 \pm 0.34 \text{ E}+00)$
CS-137	$1.61 \pm 0.26 \text{ E}-01$	$(1.76 \pm 0.24 \text{ E}-01)$
TL-208	LESS THAN LLD	$(2.56 \pm 1.30 \text{ E}-02)$
PB-212	LESS THAN LLD	$(4.43 \pm 2.49 \text{ E}-02)$
PB-214	LESS THAN LLD	$(2.02 \pm 0.40 \text{ E}-01)$
BI-214	$5.33 \pm 3.60 \text{ E}-02$	$(2.27 \pm 0.38 \text{ E}-01)$
RA-226	LESS THAN LLD	$(5.97 \pm 3.62 \text{ E}-01)$

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 76

FIRST SEMI-ANNUAL, 1992

13 MI NNW - LAKE BEE - CONTROL (F2-47)
(DATE COLLECTED: 05/20/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 403.8 GRAMS FRESH

ISOTOPE

CONTROL ACTIVITY

K-40	(2.32 ± 0.34 E+00)
CS-137	(1.76 ± 0.24 E-01)
TL-208	(2.56 ± 1.30 E-02)
PB-212	(4.43 ± 2.49 E-02)
PB-214	(2.02 ± 0.40 E-01)
BI-214	(2.27 ± 0.38 E-01)
RA-226	(5.97 ± 3.62 E-01)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 77

JANUARY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 01/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.47E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 78

JANUARY, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 01/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.47E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	8.53 ± 3.21 E+01	(NOT REQUIRED)
PB-212	4.36 ± 2.02 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 79

JANUARY, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 01/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.47E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 80

FEBRUARY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 02/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.59E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 81

FEBRUARY, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 02/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.59E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.14 ± 0.33 E+02	(NOT REQUIRED)
PB-212	3.52 ± 2.03 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 82

MARCH, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 03/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.02E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	4.32 ± 1.84 E+00	(NOT REQUIRED)
BI-214	9.45 ± 2.65 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 83

MARCH, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 03/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.02E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	2.22 ± 1.40 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 84

MARCH, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 03/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.02E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

K-40

3.42 ± 2.91 E+01

(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 85

APRIL, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 04/05/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.67E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 86

APRIL, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 04/05/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.67E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	2.05 ± 1.91 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 87

APRIL, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 04/05/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.67E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 88

MAY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 05/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.29E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 89

MAY, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 05/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.29E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
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ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 90

MAY, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 05/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.29E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	5.93 \pm 3.17 E+01	(NOT REQUIRED)
PB-212	4.02 \pm 2.61 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 91

JUNE, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 06/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.57E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 92

JUNE, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 06/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.57E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 93

JUNE, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 06/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.57E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
RA-226	7.27 ± 2.86 E+01	(NOT REQUIRED)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 94

January 13, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 01/13/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.44E-01	(< 6.24E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.26 ± 0.05 E+03	(1.46 ± 0.06 E+03)
TL-208	LESS THAN LLD	(2.79 ± 2.36 E+00)
PB-212	LESS THAN LLD	(9.08 ± 3.50 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 95

January 13, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 01/13/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.24E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.46 ± 0.06 E+03)
TL-208	(2.79 ± 2.36 E+00)
PB-212	(9.08 ± 3.50 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 96

January 27, 1992

10.1 MI E - AUBURNDAL E PLANTATION (MK-54)
(DATE COLLECTED: 01/27/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.76E-01	(< 5.86E-01)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.34 ± 0.05 E+03	(1.47 ± 0.06 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 97

January 27, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 01/27/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.86E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.47 ± 0.06 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 98

February 10, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 02/10/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.41E-01	(< 5.75E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.25 ± 0.05 E+03	(1.46 ± 0.05 E+03)
PB-212	LESS THAN LLD	(6.15 ± 3.31 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 99

February 10, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 02/10/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.75E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.46 ± 0.05 E+03)

PB-212

(6.15 ± 3.31 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 100

February 24, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 02/24/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.69E-01	(< 5.39E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$1.35 \pm 0.06 \text{ E}+03$	$(1.49 \pm 0.06 \text{ E}+03)$
PB-212	LESS THAN LLD	$(4.74 \pm 3.30 \text{ E}+00)$

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 101

February 24, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 02/24/92)

RADIOCHEMISTRY

ANALYSIS

LITERS

CONTROL ACTIVITY

I-131

4.0

(< 5.39E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.49 ± 0.06 E+03)

PB-212

(4.74 ± 3.30 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 102

March 9, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 03/09/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.97E-01	(< 5.77E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.26 ± 0.06 E+03	(1.53 ± 0.05 E+03)
PB-212	LESS THAN LLD	(8.38 ± 3.69 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 103

March 9, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 03/09/92)

RADIOCHEMISTRY

ANALYSIS

LITERS

CONTROL ACTIVITY

I-131

4.0

(< 5.77E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.53 \pm 0.05 E+03)

PB-212

(8.38 \pm 3.69 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 104

March 23, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 03/23/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.99E-01	(< 5.34E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.23 ± 0.06 E+03	(1.44 ± 0.05 E+03)
PB-212	LESS THAN LLD	(9.14 ± 3.56 E+00)
PB-214	LESS THAN LLD	(1.21 ± 0.32 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 105

March 23, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 03/23/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.34E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.44 ± 0.05 E+03)
PB-212	(9.14 ± 3.56 E+00)
PB-214	(1.21 ± 0.32 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 106

April 6, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 04/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.93E-01	(< 5.82E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.25 \pm 0.06 E+03	(1.49 \pm 0.05 E+03)
PB-212	LESS THAN LLD	(3.41 \pm 3.22 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 107

April 6, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 04/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.82E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.49 ± 0.05 E+03)

PB-212

(3.41 ± 3.22 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 108

April 20, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 04/20/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.72E-01	(< 5.28E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.24 ± 0.06 E+03	(1.39 ± 0.05 E+03)
PB-212	LESS THAN LLD	(5.92 ± 3.36 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 109

April 20, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 04/20/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.28E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.39 ± 0.05 E+03)

PB-212

(5.92 ± 3.36 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 110

May 4, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 05/04/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.85E-01	(< 6.95E-01)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.36 \pm 0.05 E+03	(1.39 \pm 0.05 E+03)
PB-212	7.83 \pm 3.67 E+00	(LESS THAN LLD)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 111

May 4, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 05/04/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.95E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.39 ± 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 112

May 18, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 05/18/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.23E-01	(< 5.51E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.28 ± 0.05 E+03	(1.38 ± 0.06 E+03)
PB-212	3.53 ± 3.39 E+00	(LESS THAN LLD)
BI-214	LESS THAN LLD	(7.22 ± 6.60 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 113

May 18, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 05/18/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.51E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.38 ± 0.06 E+03)

BI-214

(7.22 ± 6.60 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 114

June 1, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 06/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.61E-01	(< 5.91E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

K-40

1.31 ± 0.06 E+03

(1.50 ± 0.05 E+03)

PB-212

LESS THAN LLD

(9.40 ± 3.65 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 115

June 1, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 06/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.91E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.50 ± 0.05 E+03)
PB-212	(9.40 ± 3.65 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 116

June 15, 1992

10.1 MI E - AUBURNDAL E PLANTATION (MK-54)
(DATE COLLECTED: 06/15/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 6.00E-01	(< 6.37E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.22 \pm 0.05 E+03	(1.44 \pm 0.05 E+03)
PB-212	LESS THAN LLD	(3.35 \pm 3.21 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 117

June 15, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 06/15/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.37E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.44 ± 0.05 E+03)

PB-212

(3.35 ± 3.21 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 118

June 29, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 06/29/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.11E-01	(< 5.48E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.29 ± 0.05 E+03	(1.38 ± 0.05 E+03)
PB-212	LESS THAN LLD	(5.14 ± 3.15 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 119

June 29, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 06/29/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.48E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.38 ± 0.05 E+03)

PB-212

(5.14 ± 3.15 E+00)

BOTTOM SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 120

ANNUAL, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SD-41)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 486 GRAMS DRY

<u>ISOTOPE</u>	<u>CONTROL ACTIVITY</u>
K-40	(2.21 ± 0.35 E+00)
CS-137	(4.94 ± 0.32 E-01)
TL-208	(7.88 ± 0.33 E-01)
PB-212	(2.45 ± 0.05 E+00)
PB-214	(1.83 ± 0.07 E+00)
BI-212	(1.61 ± 0.23 E+00)
BI-214	(1.62 ± 0.06 E+00)
RA-226	(3.88 ± 0.50 E+00)
AC-228	(2.66 ± 0.12 E+00)

BOTTOM SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 121

ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (SD-45)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 155.7 GRAMS DRY

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	5.44 \pm 0.79 E+00	(2.21 \pm 0.35 E+00)
CO-60	1.36 \pm 0.10 E+00	(LESS THAN LLD)
CS-137	1.28 \pm 0.09 E+00	(4.94 \pm 0.32 E-01)
TL-208	7.99 \pm 0.74 E-01	(7.88 \pm 0.33 E-01)
PB-212	2.28 \pm 0.09 E+00	(2.45 \pm 0.05 E+00)
PB-214	2.56 \pm 0.13 E+00	(1.83 \pm 0.07 E+00)
BI-212	1.61 \pm 0.34 E+00	(1.61 \pm 0.23 E+00)
BI-214	2.42 \pm 0.16 E+00	(1.62 \pm 0.06 E+00)
RA-226	5.11 \pm 0.88 E+00	(3.88 \pm 0.50 E+00)
AC-228	2.33 \pm 0.24 E+00	(2.66 \pm 0.12 E+00)

BOTTOM SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 122

ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (SD-46)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 190.1 GRAMS DRY

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	3.64 \pm 0.67 E+00	(2.21 \pm 0.35 E+00)
CS-137	2.00 \pm 0.08 E+00	(4.94 \pm 0.32 E-01)
TL-208	5.68 \pm 0.44 E-01	(7.88 \pm 0.33 E-01)
PB-212	1.72 \pm 0.07 E+00	(2.45 \pm 0.05 E+00)
PB-214	3.32 \pm 0.13 E+00	(1.83 \pm 0.07 E+00)
BI-212	9.31 \pm 2.90 E-01	(1.61 \pm 0.23 E+00)
BI-214	3.09 \pm 0.13 E+00	(1.62 \pm 0.06 E+00)
RA-226	8.43 \pm 0.97 E+00	(3.88 \pm 0.50 E+00)
AC-228	1.74 \pm 0.18 E+00	(2.66 \pm 0.12 E+00)

BOTTOM SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 123

ANNUAL, 1992

10.1 MI E - AUBURNDALE PLANTATION (SD-54)
(DATE COLLECTED: 05/20/92)

GAMMA SPECTROMETRY

MASS: 207 GRAMS DRY

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	2.32 \pm 0.52 E+00	(2.21 \pm 0.35 E+00)
CS-137	4.42 \pm 0.64 E-01	(4.94 \pm 0.32 E-01)
TL-208	8.91 \pm 0.71 E-01	(7.88 \pm 0.33 E-01)
PB-212	2.86 \pm 0.10 E+00	(2.45 \pm 0.05 E+00)
PB-214	2.72 \pm 0.14 E+00	(1.83 \pm 0.07 E+00)
BI-212	2.16 \pm 0.43 E+00	(1.61 \pm 0.23 E+00)
BI-214	2.36 \pm 0.13 E+00	(1.62 \pm 0.06 E+00)
RA-226	8.58 \pm 1.03 E+00	(3.88 \pm 0.50 E+00)
AC-228	2.77 \pm 0.24 E+00	(2.66 \pm 0.12 E+00)

SHORELINE SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 124

FIRST SEMI-ANNUAL, 1992

1.9 MI NNE - SHADY REST CLUB (SS-44)
(DATE COLLECTED: 01/09/92)

GAMMA SPECTROMETRY

MASS: 899.6 GRAMS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.60 \pm 0.75 E-01	(NOT REQUIRED)
TL-208	2.22 \pm 0.72 E-02	(NOT REQUIRED)
PB-212	6.17 \pm 1.13 E-02	(NOT REQUIRED)
PB-214	8.75 \pm 1.72 E-02	(NOT REQUIRED)
BI-214	9.79 \pm 1.66 E-02	(NOT REQUIRED)

SHORELINE SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 125

FIRST SEMI-ANNUAL, 1992

0.9 MI NNW - ASH POND (SS-57)
(DATE COLLECTED: 01/09/92)

GAMMA SPECTROMETRY

MASS: 625.5 GRAMS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	3.28 \pm 0.25 E-01	(NOT REQUIRED)
PB-212	1.29 \pm 0.05 E+00	(NOT REQUIRED)
BI-214	4.80 \pm 0.44 E-01	(NOT REQUIRED)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 126

JANUARY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$3.12 \pm 0.64 \text{ E}+03$	(< $9.40\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	$(4.68 \pm 2.30 \text{ E}+00)$
RA-226	LESS THAN LLD	$(3.33 \pm 2.87 \text{ E}+01)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 127

JANUARY, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.40E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

<u>ISOTOPE</u>	<u>CONTROL ACTIVITY</u>
PB-212	(4.68 ± 2.30 E+00)
RA-226	(3.33 ± 2.87 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 128

JANUARY, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.17 \pm 0.62 \text{ E}+03$	(< $9.40\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	$(4.68 \pm 2.30 \text{ E}+00)$
RA-226	LESS THAN LLD	$(3.33 \pm 2.87 \text{ E}+01)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 129

FEBRUARY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.51 \pm 0.66 \text{ E}+03$	(< $1.00\text{E}+03$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$7.84 \pm 3.01 \text{ E}+01$	(LESS THAN LLD)
TL-208	LESS THAN LLD	$(2.42 \pm 1.28 \text{ E}+00)$
PB-212	$2.99 \pm 2.21 \text{ E}+00$	$(3.04 \pm 1.88 \text{ E}+00)$
RA-226	LESS THAN LLD	$(6.67 \pm 2.96 \text{ E}+01)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 130

FEBRUARY, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 1.00E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

TL-208	(2.42 ± 1.28 E+00)
PB-212	(3.04 ± 1.88 E+00)
RA-226	(6.67 ± 2.96 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 131

FEBRUARY, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.26 \pm 0.64 \text{ E}+03$	(< $1.00\text{E}+03$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	LESS THAN LLD	$(2.42 \pm 1.28 \text{ E}+00)$
PB-212	LESS THAN LLD	$(3.04 \pm 1.88 \text{ E}+00)$
RA-226	LESS THAN LLD	$(6.67 \pm 2.96 \text{ E}+01)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 132

MARCH, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$3.05 \pm 0.67 \text{ E}+03$	(< $9.93\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	LESS THAN LLD	$(2.83 \pm 1.41 \text{ E}+00)$
RA-226	$4.43 \pm 2.77 \text{ E}+01$	$(2.95 \pm 2.38 \text{ E}+01)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 133

MARCH, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.93E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

TL-208

CONTROL ACTIVITY
(2.83 ± 1.41 E+00)

RA-226

(2.95 ± 2.38 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 134

MARCH, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.93E+02	(< 9.93E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	LESS THAN LLD	(2.83 \pm 1.41 E+00)
RA-226	LESS THAN LLD	(2.95 \pm 2.38 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 135

APRIL, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$3.49 \pm 0.65 \text{ E}+03$	(< $9.47\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$8.67 \pm 3.39 \text{ E}+01$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 136

APRIL, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.47E+02)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 137

APRIL, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$3.62 \pm 0.65 \text{ E}+03$	(< 9.47E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$4.62 \pm 2.78 \text{ E}+01$	(LESS THAN LLD)
PB-212	$3.37 \pm 2.24 \text{ E}+00$	(LESS THAN LLD)
RA-226	$5.93 \pm 3.05 \text{ E}+01$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 138

MAY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.70 \pm 0.64 \text{ E}+03$	(< $9.51\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	LESS THAN LLD	$(1.77 \pm 1.57 \text{ E}+00)$
PB-212	LESS THAN LLD	$(2.95 \pm 2.29 \text{ E}+00)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 139

MAY, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.51E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

TL-208

(1.77 ± 1.57 E+00)

PB-212

(2.95 ± 2.29 E+00)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 140

MAY, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	2.52 \pm 0.63 E+03	(< 9.51E+02)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	LESS THAN LLD	(1.77 \pm 1.57 E+00)
PB-212	LESS THAN LLD	(2.95 \pm 2.29 E+00)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 141

JUNE, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.80 \pm 0.62 \text{ E}+03$	(< $9.64\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	$3.46 \pm 1.53 \text{ E}+00$	(LESS THAN LLD)
BI-214	LESS THAN LLD	$(3.14 \pm 3.00 \text{ E}+00)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 142

JUNE, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

ANALYSIS

LITERS

CONTROL ACTIVITY

TRITIUM

0.005

(< 9.64E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

BI-214

(3.14 ± 3.00 E+00)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 143

JUNE, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.08 \pm 0.63 \text{ E}+03$	(< $9.64\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$4.87 \pm 1.81 \text{ E}+01$	(LESS THAN LLD)
BI-214	LESS THAN LLD	$(3.14 \pm 3.00 \text{ E}+00)$

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 144

FIRST QUARTER, 1992

	<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
	CONTROL	(1.20 \pm 0.30 E+00)
1	26 MI ESE - FLORENCE - CONTROL	1.20 \pm 0.30 E+00
2	0.2 MI S - INFORMATION CENTER	1.10 \pm 0.30 E+00
3	0.7 MI N - MICROWAVE TOWER	1.40 \pm 0.40 E+00
4	0.4 MI ESE - SPILLWAY	1.00 \pm 0.30 E+00
5	0.9 MI ENE - JOHNSON'S LANDING	1.10 \pm 0.30 E+00
6	0.3 MI SW - INFORMATION CENTER	1.20 \pm 0.40 E+00
7	6.3 MI ESE - HARTSVILLE CP&L SUBSTATION	1.10 \pm 0.30 E+00
8	0.8 MI SSE - POWER POLES FROM HBR	9.00 \pm 3.00 E-01
9	1.0 MI S - POWER POLE NEAR HWY 151	1.50 \pm 0.30 E+00
10	1.0 MI WSW - CHURCH OF GOD CEMETERY	1.30 \pm 0.40 E+00
11	1.0 MI SW - POWER POLE AT OLD CAMDEN RD	9.00 \pm 3.00 E-01
12	1.2 MI SSW-PINE TREE AT 2ND INT DIRT RD	1.10 \pm 0.30 E+00
13	1.0 MI W-PINE TREE WHERE DIRT RD SPLITS	8.00 \pm 3.00 E-01
14	0.9 MI WNW - HWY 151 AT PINE RIDGE CH	9.00 \pm 3.00 E-01
15	1.0 MI NW -DIRT RD NEAR ASH POND	9.00 \pm 3.00 E-01
16	1.0 MI NNW - DARLINGTON IC TURBINE PLANT	1.10 \pm 0.30 E+00
17	1.1 MI N - DIS CANAL RD AT UNIT 1 WEIR	1.40 \pm 0.30 E+00
18	0.7 MI SE - TRAIN TRESTLE OVER BLACK CR	9.00 \pm 3.00 E-01
19	1.0 MI E - RD S-16-23	1.10 \pm 0.30 E+00
20	1.3 MI ENE - RD S-16-39 NORTH	2.30 \pm 0.60 E+00
21	ATKINSON'S BOAT LANDING	1.10 \pm 0.30 E+00

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 145

FIRST QUARTER, 1992

<u>STATION</u>		<u>MILLIROENTGEN PER WEEK</u>
CONTROL		(1.20 \pm 0.30 E+00)
22	1.9 MI NNE - SHADY REST NEAR DOCK	1.20 \pm 0.40 E+00
23	1.2 MI ESE - INT RD 41E-5 AND S-16-39	1.00 \pm 0.30 E+00
24	5.0 MI NW - S-13-711 PAST PEACH FARM	1.20 \pm 0.40 E+00
25	4.6 MI NNW - RD S-13-346 OFF 151 NORTH	1.10 \pm 0.30 E+00
26	5.0 MI N - RD S-13-346	1.30 \pm 0.30 E+00
27	5.0 MI NNE - RD S-13-763 NEAR INTER	1.10 \pm 0.40 E+00
28	4.8 MI NE - NEAR DUMPSTER RD S-13-39	1.10 \pm 0.50 E+00
29	RD S-16-20 SOUTH OF LOOKOUT TOWER	1.30 \pm 0.30 E+00
30	4.6 MI E - RD S-16-20 JOHNSON FENCE CO	1.00 \pm 0.30 E+00
31	4.6 MI ESE - LAKESHORE DRIVE	1.30 \pm 0.30 E+00
32	4.5 MI SE - END OF KALBER DRIVE	1.00 \pm 0.30 E+00
33	4.6 MI SSE-RD S16-493 NEAR SEGAR'S ENTR	1.30 \pm 0.30 E+00
34	4.6 MI S - RD S-16-772	8.00 \pm 4.00 E-01
35	4.4 MI SSW - INT RD S-31-51 & S-16-12	1.70 \pm 0.30 E+00
36	4.7 MI SW - PAVED RD OFF RD S-16-85	1.50 \pm 0.30 E+00
37	5.0 MI WSW - TRANS TOWER NEAR CLAY RD	1.60 \pm 0.40 E+00
38	4.9 MI W - RD S-16-231 AT UNION CHURCH	1.00 \pm 0.30 E+00
39	5.0 MI WNW - POWER POLE IN FIELD	1.00 \pm 0.30 E+00
55	0.3 MI SSE - SITE BOUNDARY	1.00 \pm 0.30 E+00
56	300 FT N OF ISFSI	9.00 \pm 3.00 E-01

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 146

SECOND QUARTER, 1992

	<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
	CONTROL	(1.00 \pm 0.10 E+00)
1	26 MI ESE - FLORENCE - CONTROL	1.00 \pm 0.10 E+00
2	0.2 MI S - INFORMATION CENTER	1.00 \pm 0.10 E+00
3	0.7 MI N - MICROWAVE TOWER	1.20 \pm 0.10 E+00
4	0.4 MI ESE - SPILLWAY	1.00 \pm 0.10 E+00
5	0.9 MI ENE - JOHNSON'S LANDING	1.00 \pm 0.10 E+00
6	0.3 MI SW - INFORMATION CENTER	1.00 \pm 0.10 E+00
7	6.3 MI ESE - HARTSVILLE CP&L SUBSTATION	9.00 \pm 1.00 E-01
8	0.8 MI SSE - POWER POLES FROM HBR	8.00 \pm 1.00 E-01
9	1.0 MI S - POWER POLE NEAR HWY 151	1.50 \pm 0.20 E+00
10	1.0 MI WSW - CHURCH OF GOD CEMETERY	1.00 \pm 0.10 E+00
11	1.0 MI SW - POWER POLE AT OLD CAMDEN RD	8.00 \pm 1.00 E-01
12	1.2 MI SSW-PINE TREE AT 2ND INT DIRT RD	1.20 \pm 0.10 E+00
13	1.0 MI W-PINE TREE WHERE DIRT RD SPLITS	8.00 \pm 1.00 E-01
14	0.9 MI WNW - HWY 151 AT PINE RIDGE CH	9.00 \pm 1.00 E-01
15	1.0 MI NW -DIRT RD NEAR ASH POND	1.00 \pm 0.10 E+00
16	1.0 MI NNW - DARLINGTON IC TURBINE PLANT	1.00 \pm 0.10 E+00
17	1.1 MI N - DIS CANAL RD AT UNIT 1 WEIR	1.30 \pm 0.20 E+00
18	0.7 MI SE - TRAIN TRESTLE OVER BLACK CR	9.00 \pm 1.00 E-01
19	1.0 MI E - RD S-16-23	1.00 \pm 0.10 E+00
20	1.3 MI ENE - RD S-16-39 NORTH	1.00 \pm 0.10 E+00
21	ATKINSON'S BOAT LANDING	1.10 \pm 0.10 E+00

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 147

SECOND QUARTER, 1992

	<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
	CONTROL	(1.00 ± 0.10 E+00)
22	1.9 MI NNE - SHADY REST NEAR DOCK	1.00 ± 0.10 E+00
23	1.2 MI ESE - INT RD 41E-5 AND S-16-39	9.00 ± 1.00 E-01
24	5.0 MI NW - S-13-711 PAST PEACH FARM	1.20 ± 0.20 E+00
25	4.6 MI NNW - RD S-13-346 OFF 151 NORTH	1.00 ± 0.10 E+00
26	5.0 MI N - RD S-13-346	1.10 ± 0.10 E+00
27	5.0 MI NNE - RD S-13-763 NEAR INTER	1.20 ± 0.10 E+00
28	4.8 MI NE - NEAR DUMPSTER RD S-13-39	1.20 ± 0.10 E+00
29	RD S-16-20 SOUTH OF LOOKOUT TOWER	1.20 ± 0.10 E+00
30	4.6 MI E - RD S-16-20 JOHNSON FENCE CO	1.00 ± 0.10 E+00
31	4.6 MI ESE - LAKESHORE DRIVE	1.10 ± 0.20 E+00
32	4.5 MI SE - END OF KALBER DRIVE	1.00 ± 0.10 E+00
33	4.6 MI SSE-RD S16-493 NEAR SEGAR'S ENTR	1.20 ± 0.10 E+00
34	4.6 MI S - RD S-16-772	8.00 ± 1.00 E-01
35	4.4 MI SSW - INT RD S-31-51 & S-16-12	1.60 ± 0.20 E+00
36	4.7 MI SW - PAVED RD OFF RD S-16-85	1.50 ± 0.20 E+00
37	5.0 MI WSW - TRANS TOWER NEAR CLAY RD	1.50 ± 0.10 E+00
38	4.9 MI W - RD S-16-231 AT UNION CHURCH	1.00 ± 0.10 E+00
39	5.0 MI WNW - POWER POLE IN FIELD	1.10 ± 0.10 E+00
55	0.3 MI SSE - SITE BOUNDARY	1.10 ± 0.10 E+00
56	300 FT N OF ISFSI	1.00 ± 0.10 E+00

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 1

THIRD QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AC-1)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
07/06/92	928.9	(< 8.78E-03)
07/13/92	852.1	(< 1.11E-02)
07/19/92	763.3	(< 9.74E-03)
07/26/92	910.9	(< 1.16E-02)
08/03/92	984.5	(< 1.15E-02)
08/10/92	934.7	(< 1.05E-02)
08/16/92	746.8	(< 9.58E-03)
08/23/92	913.2	(< 7.33E-03)
08/30/92	892.5	(< 5.64E-03)
09/07/92	964.0	(< 8.37E-03)
09/13/92	780.1	(< 1.39E-02)
09/20/92	908.2	(< 1.18E-02)
09/27/92	908.9	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 2

THIRD QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AC-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	920.4	< 1.03E-02	(< 8.78E-03)
07/13/92	843.4	< 1.35E-02	(< 1.11E-02)
07/19/92	789.7	< 1.21E-02	(< 9.74E-03)
07/26/92	928.7	< 1.10E-02	(< 1.16E-02)
08/03/92	997.8	< 1.07E-02	(< 1.15E-02)
08/10/92	910.3	< 1.23E-02	(< 1.05E-02)
08/16/92	772.0	< 1.00E-02	(< 9.58E-03)
08/23/92	894.6	< 1.46E-02	(< 7.33E-03)
08/30/92	962.1	< 1.27E-02	(< 5.64E-03)
09/13/92	835.9	< 9.33E-03	(< 1.39E-02)
09/20/92	961.8	< 9.84E-03	(< 1.18E-02)
09/27/92	940.8	< 8.55E-03	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 3

THIRD QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AC-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	798.5	< 7.97E-03	(< 8.78E-03)
07/13/92	758.3	< 8.38E-03	(< 1.11E-02)
07/19/92	653.0	< 1.25E-02	(< 9.74E-03)
07/26/92	808.8	< 1.44E-02	(< 1.16E-02)
08/03/92	863.4	< 7.89E-03	(< 1.15E-02)
08/10/92	815.9	< 6.48E-03	(< 1.05E-02)
08/16/92	634.0	< 1.96E-02	(< 9.58E-03)
08/23/92	767.8	< 1.07E-02	(< 7.33E-03)
08/30/92	823.5	< 1.14E-02	(< 5.64E-03)
09/07/92	901.1	< 7.04E-03	(< 8.37E-03)
09/13/92	696.9	< 1.44E-02	(< 1.39E-02)
09/20/92	800.0	< 1.25E-02	(< 1.18E-02)
09/27/92	804.1	< 8.60E-03	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 4

THIRD QUARTER, 1992

0.4 MI ESE - SPILLWAY (AC-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	1035.3	< 1.07E-02	(< 8.78E-03)
07/13/92	938.8	< 9.02E-03	(< 1.11E-02)
07/19/92	844.3	< 7.90E-03	(< 9.74E-03)
07/26/92	1013.6	< 8.74E-03	(< 1.16E-02)
08/03/92	1098.2	< 5.94E-03	(< 1.15E-02)
08/10/92	976.3	< 7.33E-03	(< 1.05E-02)
08/16/92	796.2	< 1.39E-02	(< 9.58E-03)
08/23/92	918.7	< 1.03E-02	(< 7.33E-03)
08/30/92	936.3	< 7.58E-03	(< 5.64E-03)
09/07/92	1006.1	< 5.40E-03	(< 8.37E-03)
09/13/92	795.0	< 8.12E-03	(< 1.39E-02)
09/20/92	919.2	< 1.09E-02	(< 1.18E-02)
09/27/92	707.9	< 8.37E-03	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 5

THIRD QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AC-5)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	831.2	< 9.71E-03	(< 8.78E-03)
07/13/92	766.7	< 9.73E-03	(< 1.11E-02)
07/19/92	699.8	< 1.26E-02	(< 9.74E-03)
07/26/92	846.3	< 1.21E-02	(< 1.16E-02)
08/03/92	937.7	< 1.17E-02	(< 1.15E-02)
08/10/92	831.0	< 1.25E-02	(< 1.05E-02)
08/16/92	684.2	< 1.48E-02	(< 9.58E-03)
08/30/92	698.9	< 1.35E-02	(< 5.64E-03)
09/07/92	942.4	< 9.58E-03	(< 8.37E-03)
09/13/92	730.3	< 1.40E-02	(< 1.39E-02)
09/20/92	850.7	< 1.19E-02	(< 1.18E-02)
09/27/92	833.5	< 1.27E-02	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 6

THIRD QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AC-6)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	832.5	< 1.01E-02	(< 8.78E-03)
07/13/92	788.4	< 1.02E-02	(< 1.11E-02)
07/19/92	704.7	< 1.35E-02	(< 9.74E-03)
07/26/92	851.3	< 1.04E-02	(< 1.16E-02)
08/03/92	917.4	< 7.80E-03	(< 1.15E-02)
08/10/92	838.6	< 1.20E-02	(< 1.05E-02)
08/16/92	701.4	< 2.14E-02	(< 9.58E-03)
08/23/92	818.4	< 8.94E-03	(< 7.33E-03)
08/30/92	838.1	< 1.13E-02	(< 5.64E-03)
09/07/92	900.2	< 9.48E-03	(< 8.37E-03)
09/13/92	724.6	< 1.53E-02	(< 1.39E-02)
09/20/92	831.4	< 1.23E-02	(< 1.18E-02)
09/27/92	822.7	< 8.78E-03	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 7

THIRD QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AC-7)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	768.1	< 1.31E-02	(< 8.78E-03)
07/13/92	724.0	< 1.32E-02	(< 1.11E-02)
07/19/92	642.4	< 1.37E-02	(< 9.74E-03)
07/26/92	757.5	< 9.89E-03	(< 1.16E-02)
08/03/92	839.0	< 7.80E-03	(< 1.15E-02)
08/10/92	768.1	< 1.13E-02	(< 1.05E-02)
08/16/92	620.6	< 1.52E-02	(< 9.58E-03)
08/23/92	756.9	< 1.17E-02	(< 7.33E-03)
08/30/92	747.9	< 9.51E-03	(< 5.64E-03)
09/07/92	830.5	< 1.09E-02	(< 8.37E-03)
09/13/92	652.4	< 7.31E-03	(< 1.39E-02)
09/20/92	754.6	< 9.87E-03	(< 1.18E-02)
09/27/92	750.2	< 1.37E-02	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 8

THIRD QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AC-55)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	790.0	< 1.59E-02	(< 8.78E-03)
07/13/92	783.9	< 1.48E-02	(< 1.11E-02)
07/19/92	667.0	< 1.19E-02	(< 9.74E-03)
07/26/92	794.6	< 9.13E-03	(< 1.16E-02)
08/03/92	894.7	< 1.04E-02	(< 1.15E-02)
08/10/92	768.9	< 1.26E-02	(< 1.05E-02)
08/16/92	654.4	< 1.62E-02	(< 9.58E-03)
08/23/92	693.5	< 7.47E-03	(< 7.33E-03)
08/30/92	794.1	< 5.66E-03	(< 5.64E-03)
09/07/92	852.7	< 1.02E-02	(< 8.37E-03)
09/13/92	672.9	< 1.08E-02	(< 1.39E-02)
09/20/92	779.3	< 1.00E-02	(< 1.18E-02)
09/27/92	769.2	< 1.34E-02	(< 9.67E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 9

FOURTH QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AC-1)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
10/04/92	873.1	(< 9.98E-03)
10/11/92	892.5	(< 9.76E-03)
10/18/92	845.0	(< 1.04E-02)
10/26/92	745.5	(< 1.08E-02)
11/02/92	795.6	(< 1.09E-02)
11/09/92	887.7	(< 9.77E-03)
11/15/92	756.0	(< 1.17E-02)
11/22/92	758.3	(< 7.62E-03)
11/29/92	927.2	(< 1.08E-02)
12/06/92	859.8	(< 1.03E-02)
12/13/92	899.1	(< 1.20E-02)
12/20/92	893.6	(< 1.28E-02)
12/27/92	930.2	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 10

FOURTH QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AC-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	915.4	< 7.89E-03	(< 9.98E-03)
10/11/92	953.8	< 1.35E-02	(< 9.76E-03)
10/18/92	941.4	< 9.37E-03	(< 1.04E-02)
10/26/92	1003.9	< 1.07E-02	(< 1.08E-02)
11/02/92	829.8	< 1.38E-02	(< 1.09E-02)
11/09/92	984.8	< 1.02E-02	(< 9.77E-03)
11/15/92	786.1	< 1.72E-02	(< 1.17E-02)
11/22/92	898.2	< 1.34E-02	(< 7.62E-03)
11/29/92	859.0	< 1.26E-02	(< 1.08E-02)
12/06/92	836.1	< 1.61E-02	(< 1.03E-02)
12/13/92	830.9	< 8.11E-03	(< 1.20E-02)
12/20/92	836.9	< 9.57E-03	(< 1.28E-02)
12/27/92	851.3	< 1.03E-02	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 11

FOURTH QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AC-3)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	789.4	< 1.11E-02	(< 9.98E-03)
10/11/92	797.3	< 1.28E-02	(< 9.76E-03)
10/18/92	789.8	< 9.60E-03	(< 1.04E-02)
10/26/92	910.4	< 8.26E-03	(< 1.08E-02)
11/02/92	785.1	< 6.27E-03	(< 1.09E-02)
11/09/92	813.8	< 7.49E-03	(< 9.77E-03)
11/15/92	660.2	< 1.02E-02	(< 1.17E-02)
11/22/92	782.3	< 8.89E-03	(< 7.62E-03)
11/29/92	825.2	< 1.06E-02	(< 1.08E-02)
12/06/92	821.8	< 9.98E-03	(< 1.03E-02)
12/13/92	806.1	< 1.31E-02	(< 1.20E-02)
12/20/92	811.6	< 8.48E-03	(< 1.28E-02)
12/27/92	826.1	< 1.12E-02	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 12

FOURTH QUARTER, 1992

0.4 MI ESE - SPILLWAY (AC-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/11/92	239.0	< 2.95E-02	(< 9.76E-03)
10/18/92	839.6	< 9.98E-03	(< 1.04E-02)
10/26/92	940.4	< 7.64E-03	(< 1.08E-02)
11/02/92	841.1	< 5.60E-03	(< 1.09E-02)
11/09/92	878.2	< 9.04E-03	(< 9.77E-03)
11/15/92	712.5	< 1.01E-02	(< 1.17E-02)
11/22/92	853.8	< 1.41E-02	(< 7.62E-03)
11/29/92	827.3	< 9.50E-03	(< 1.08E-02)
12/06/92	272.0	< 4.12E-02	(< 1.03E-02)
12/13/92	1130.7	< 7.12E-03	(< 1.20E-02)
12/20/92	473.9	< 1.39E-02	(< 1.28E-02)
12/27/92	813.6	< 1.36E-02	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 13

FOURTH QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AC-5)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	812.9	< 8.14E-03	(< 9.98E-03)
10/11/92	847.3	< 6.74E-03	(< 9.76E-03)
10/18/92	832.4	< 9.80E-03	(< 1.04E-02)
10/26/92	923.4	< 1.01E-02	(< 1.08E-02)
11/02/92	823.3	< 7.40E-03	(< 1.09E-02)
11/09/92	843.7	< 1.20E-02	(< 9.77E-03)
11/15/92	694.0	< 1.38E-02	(< 1.17E-02)
11/22/92	807.6	< 1.19E-02	(< 7.62E-03)
11/29/92	720.9	< 1.23E-02	(< 1.08E-02)
12/06/92	717.7	< 1.14E-02	(< 1.03E-02)
12/13/92	712.4	< 1.45E-02	(< 1.20E-02)
12/20/92	714.1	< 1.47E-02	(< 1.28E-02)
12/27/92	718.0	< 1.59E-02	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 14

FOURTH QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AC-6)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	816.7	< 1.00E-02	(< 9.98E-03)
10/11/92	841.5	< 1.47E-02	(< 9.76E-03)
10/18/92	810.6	< 1.34E-02	(< 1.04E-02)
11/02/92	653.9	< 1.05E-02	(< 1.09E-02)
11/09/92	1018.8	< 7.21E-03	(< 9.77E-03)
11/15/92	817.0	< 1.07E-02	(< 1.17E-02)
11/22/92	888.7	< 8.58E-03	(< 7.62E-03)
11/29/92	852.9	< 1.27E-02	(< 1.08E-02)
12/06/92	826.2	< 1.39E-02	(< 1.03E-02)
12/13/92	837.9	< 1.33E-02	(< 1.20E-02)
12/20/92	838.0	< 1.21E-02	(< 1.28E-02)
12/27/92	853.4	< 8.89E-03	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 15

FOURTH QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AC-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	744.4	< 1.26E-02	(< 9.98E-03)
10/11/92	745.2	< 8.24E-03	(< 9.76E-03)
10/18/92	740.6	< 1.03E-02	(< 1.04E-02)
10/26/92	825.2	< 1.39E-02	(< 1.08E-02)
11/02/92	743.8	< 1.41E-02	(< 1.09E-02)
11/09/92	742.6	< 1.36E-02	(< 9.77E-03)
11/15/92	640.2	< 1.66E-02	(< 1.17E-02)
11/22/92	681.2	< 1.56E-02	(< 7.62E-03)
11/29/92	721.6	< 1.14E-02	(< 1.08E-02)
12/06/92	692.7	< 1.27E-02	(< 1.03E-02)
12/13/92	699.7	< 1.26E-02	(< 1.20E-02)
12/20/92	709.1	< 7.53E-03	(< 1.28E-02)
12/27/92	716.7	< 1.14E-02	(< 8.72E-03)

AIR CARTRIDGE SAMPLES - IODINE
(PICOCURIES PER CUBIC METER)

HBR - 16

FOURTH QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AC-55)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	748.9	< 1.60E-02	(< 9.98E-03)
10/11/92	769.0	< 1.08E-02	(< 9.76E-03)
10/18/92	746.8	< 1.05E-02	(< 1.04E-02)
10/26/92	1035.9	< 6.90E-03	(< 1.08E-02)
11/02/92	728.0	< 1.17E-02	(< 1.09E-02)
11/09/92	773.4	< 1.05E-02	(< 9.77E-03)
11/15/92	622.6	< 1.37E-02	(< 1.17E-02)
11/22/92	730.8	< 1.49E-02	(< 7.62E-03)
11/29/92	738.5	< 8.07E-03	(< 1.08E-02)
12/06/92	710.5	< 9.43E-03	(< 1.03E-02)
12/13/92	700.9	< 1.67E-02	(< 1.20E-02)
12/20/92	714.4	< 7.16E-03	(< 1.28E-02)
12/27/92	725.4	< 1.57E-02	(< 8.72E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 17

THIRD QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
07/06/92	928.9	(1.56 \pm 0.14 E-02)
07/13/92	852.1	(2.60 \pm 0.18 E-02)
07/19/92	763.3	(1.36 \pm 0.15 E-02)
07/26/92	910.9	(1.13 \pm 0.13 E-02)
08/03/92	984.5	(1.64 \pm 0.14 E-02)
08/10/92	934.7	(2.13 \pm 0.16 E-02)
08/16/92	746.8	(1.09 \pm 0.14 E-02)
08/23/92	913.2	(1.38 \pm 0.13 E-02)
08/30/92	892.5	(1.68 \pm 0.15 E-02)
09/07/92	964.0	(1.71 \pm 0.14 E-02)
09/13/92	780.1	(1.04 \pm 0.14 E-02)
09/20/92	908.2	(1.33 \pm 0.14 E-02)
09/27/92	908.9	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 18

THIRD QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	920.4	1.58 \pm 0.14 E-02	(1.56 \pm 0.14 E-02)
07/13/92	843.4	2.59 \pm 0.18 E-02	(2.60 \pm 0.18 E-02)
07/19/92	789.7	1.64 \pm 0.16 E-02	(1.36 \pm 0.15 E-02)
07/26/92	928.7	1.20 \pm 0.13 E-02	(1.13 \pm 0.13 E-02)
08/03/92	997.8	1.75 \pm 0.14 E-02	(1.64 \pm 0.14 E-02)
08/10/92	910.3	2.01 \pm 0.15 E-02	(2.13 \pm 0.16 E-02)
08/16/92	772.0	1.14 \pm 0.14 E-02	(1.09 \pm 0.14 E-02)
08/23/92	894.6	1.44 \pm 0.14 E-02	(1.38 \pm 0.13 E-02)
08/30/92	962.1	1.41 \pm 0.13 E-02	(1.68 \pm 0.15 E-02)
09/13/92	835.9	1.16 \pm 0.14 E-02	(1.04 \pm 0.14 E-02)
09/20/92	961.8	1.21 \pm 0.13 E-02	(1.33 \pm 0.14 E-02)
09/27/92	940.8	8.72 \pm 1.11 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 19

THIRD QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	798.5	1.65 \pm 0.16 E-02	(1.56 \pm 0.14 E-02)
07/13/92	758.3	2.65 \pm 0.19 E-02	(2.60 \pm 0.18 E-02)
07/19/92	653.0	1.77 \pm 0.18 E-02	(1.36 \pm 0.15 E-02)
07/26/92	808.8	1.23 \pm 0.14 E-02	(1.13 \pm 0.13 E-02)
08/03/92	863.4	1.78 \pm 0.15 E-02	(1.64 \pm 0.14 E-02)
08/10/92	815.9	1.74 \pm 0.15 E-02	(2.13 \pm 0.16 E-02)
08/16/92	634.0	1.20 \pm 0.16 E-02	(1.09 \pm 0.14 E-02)
08/23/92	767.8	1.50 \pm 0.15 E-02	(1.38 \pm 0.13 E-02)
08/30/92	823.5	1.49 \pm 0.15 E-02	(1.68 \pm 0.15 E-02)
09/07/92	901.1	1.92 \pm 0.15 E-02	(1.71 \pm 0.14 E-02)
09/13/92	696.9	1.14 \pm 0.16 E-02	(1.04 \pm 0.14 E-02)
09/20/92	800.0	1.26 \pm 0.15 E-02	(1.33 \pm 0.14 E-02)
09/27/92	804.1	9.60 \pm 1.28 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 20

THIRD QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	1035.3	1.18 \pm 0.12 E-02	(1.56 \pm 0.14 E-02)
07/13/92	938.8	2.30 \pm 0.16 E-02	(2.60 \pm 0.18 E-02)
07/19/92	844.3	1.40 \pm 0.14 E-02	(1.36 \pm 0.15 E-02)
07/26/92	1013.6	1.08 \pm 0.12 E-02	(1.13 \pm 0.13 E-02)
08/03/92	1098.2	1.79 \pm 0.13 E-02	(1.64 \pm 0.14 E-02)
08/10/92	976.3	1.77 \pm 0.14 E-02	(2.13 \pm 0.16 E-02)
08/16/92	796.2	9.45 \pm 1.29 E-03	(1.09 \pm 0.14 E-02)
08/23/92	918.7	1.35 \pm 0.13 E-02	(1.38 \pm 0.13 E-02)
08/30/92	936.3	1.38 \pm 0.13 E-02	(1.68 \pm 0.15 E-02)
09/07/92	1006.1	1.78 \pm 0.14 E-02	(1.71 \pm 0.14 E-02)
09/13/92	795.0	1.17 \pm 0.15 E-02	(1.04 \pm 0.14 E-02)
09/20/92	919.2	1.15 \pm 0.13 E-02	(1.33 \pm 0.14 E-02)
09/27/92	707.9	1.04 \pm 0.14 E-02	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 21

THIRD QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	831.2	1.54 \pm 0.15 E-02	(1.56 \pm 0.14 E-02)
07/13/92	766.7	2.74 \pm 0.19 E-02	(2.60 \pm 0.18 E-02)
07/19/92	699.8	1.57 \pm 0.17 E-02	(1.36 \pm 0.15 E-02)
07/26/92	846.3	1.27 \pm 0.14 E-02	(1.13 \pm 0.13 E-02)
08/03/92	937.7	1.79 \pm 0.15 E-02	(1.64 \pm 0.14 E-02)
08/10/92	831.0	2.27 \pm 0.17 E-02	(2.13 \pm 0.16 E-02)
08/16/92	684.2	1.17 \pm 0.15 E-02	(1.09 \pm 0.14 E-02)
08/30/92	698.9	1.55 \pm 0.17 E-02	(1.68 \pm 0.15 E-02)
09/07/92	942.4	1.81 \pm 0.15 E-02	(1.71 \pm 0.14 E-02)
09/13/92	730.3	1.27 \pm 0.16 E-02	(1.04 \pm 0.14 E-02)
09/20/92	850.7	1.45 \pm 0.15 E-02	(1.33 \pm 0.14 E-02)
09/27/92	833.5	9.34 \pm 1.24 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 22

THIRD QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	832.5	1.56 \pm 0.15 E-02	(1.56 \pm 0.14 E-02)
07/13/92	788.4	2.87 \pm 0.20 E-02	(2.60 \pm 0.18 E-02)
07/19/92	704.7	1.71 \pm 0.17 E-02	(1.36 \pm 0.15 E-02)
07/26/92	851.3	1.26 \pm 0.14 E-02	(1.13 \pm 0.13 E-02)
08/03/92	917.4	1.89 \pm 0.15 E-02	(1.64 \pm 0.14 E-02)
08/10/92	838.6	2.10 \pm 0.16 E-02	(2.13 \pm 0.16 E-02)
08/16/92	701.4	1.31 \pm 0.16 E-02	(1.09 \pm 0.14 E-02)
08/23/92	818.4	1.59 \pm 0.15 E-02	(1.38 \pm 0.13 E-02)
08/30/92	838.1	1.66 \pm 0.15 E-02	(1.68 \pm 0.15 E-02)
09/07/92	900.2	2.18 \pm 0.16 E-02	(1.71 \pm 0.14 E-02)
09/13/92	724.6	1.23 \pm 0.16 E-02	(1.04 \pm 0.14 E-02)
09/20/92	831.4	1.44 \pm 0.15 E-02	(1.33 \pm 0.14 E-02)
09/27/92	822.7	9.77 \pm 1.27 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 23

THIRD QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	768.1	1.44 \pm 0.15 E-02	(1.56 \pm 0.14 E-02)
07/13/92	724.0	3.09 \pm 0.21 E-02	(2.60 \pm 0.18 E-02)
07/19/92	642.4	1.81 \pm 0.19 E-02	(1.36 \pm 0.15 E-02)
07/26/92	757.5	1.35 \pm 0.15 E-02	(1.13 \pm 0.13 E-02)
08/03/92	839.0	1.98 \pm 0.16 E-02	(1.64 \pm 0.14 E-02)
08/10/92	768.1	2.29 \pm 0.18 E-02	(2.13 \pm 0.16 E-02)
08/16/92	620.6	1.46 \pm 0.18 E-02	(1.09 \pm 0.14 E-02)
08/23/92	756.9	1.74 \pm 0.16 E-02	(1.38 \pm 0.13 E-02)
08/30/92	747.9	1.97 \pm 0.17 E-02	(1.68 \pm 0.15 E-02)
09/07/92	830.5	2.18 \pm 0.17 E-02	(1.71 \pm 0.14 E-02)
09/13/92	652.4	1.32 \pm 0.17 E-02	(1.04 \pm 0.14 E-02)
09/20/92	754.6	1.49 \pm 0.16 E-02	(1.33 \pm 0.14 E-02)
09/27/92	750.2	9.82 \pm 1.35 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 24

THIRD QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
07/06/92	790.0	1.20 \pm 0.14 E-02	(1.56 \pm 0.14 E-02)
07/13/92	783.9	2.24 \pm 0.18 E-02	(2.60 \pm 0.18 E-02)
07/19/92	667.0	1.35 \pm 0.16 E-02	(1.36 \pm 0.15 E-02)
07/26/92	794.6	9.36 \pm 1.30 E-03	(1.13 \pm 0.13 E-02)
08/03/92	894.7	1.46 \pm 0.14 E-02	(1.64 \pm 0.14 E-02)
08/10/92	768.9	1.46 \pm 0.15 E-02	(2.13 \pm 0.16 E-02)
08/16/92	654.4	9.45 \pm 1.48 E-03	(1.09 \pm 0.14 E-02)
08/23/92	693.5	1.15 \pm 0.15 E-02	(1.38 \pm 0.13 E-02)
08/30/92	794.1	1.12 \pm 0.14 E-02	(1.68 \pm 0.15 E-02)
09/07/92	852.7	1.80 \pm 0.15 E-02	(1.71 \pm 0.14 E-02)
09/13/92	672.9	9.96 \pm 1.55 E-03	(1.04 \pm 0.14 E-02)
09/20/92	779.3	9.34 \pm 1.37 E-03	(1.33 \pm 0.14 E-02)
09/27/92	769.2	7.18 \pm 1.20 E-03	(9.51 \pm 1.17 E-03)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 25

FOURTH QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>CONTROL ACTIVITY</u>
10/04/92	873.1	(1.59 \pm 0.15 E-02)
10/11/92	892.5	(1.39 \pm 0.14 E-02)
10/18/92	845.0	(2.65 \pm 0.18 E-02)
10/26/92	745.5	(2.56 \pm 0.21 E-02)
11/02/92	795.6	(2.81 \pm 0.19 E-02)
11/09/92	887.7	(1.42 \pm 0.14 E-02)
11/15/92	756.0	(1.67 \pm 0.16 E-02)
11/22/92	758.3	(1.92 \pm 0.17 E-02)
11/29/92	927.2	(1.54 \pm 0.14 E-02)
12/06/92	859.8	(1.88 \pm 0.16 E-02)
12/13/92	899.1	(1.42 \pm 0.13 E-02)
12/20/92	893.6	(1.43 \pm 0.14 E-02)
12/27/92	930.2	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 26

FOURTH QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	915.4	1.66 \pm 0.14 E-02	(1.59 \pm 0.15 E-02)
10/11/92	953.8	1.29 \pm 0.13 E-02	(1.39 \pm 0.14 E-02)
10/18/92	941.4	2.62 \pm 0.17 E-02	(2.65 \pm 0.18 E-02)
10/26/92	1003.9	2.51 \pm 0.17 E-02	(2.56 \pm 0.21 E-02)
11/02/92	829.8	2.57 \pm 0.18 E-02	(2.81 \pm 0.19 E-02)
11/09/92	984.8	1.20 \pm 0.12 E-02	(1.42 \pm 0.14 E-02)
11/15/92	786.1	1.64 \pm 0.16 E-02	(1.67 \pm 0.16 E-02)
11/22/92	898.2	2.00 \pm 0.16 E-02	(1.92 \pm 0.17 E-02)
11/29/92	859.0	1.69 \pm 0.15 E-02	(1.54 \pm 0.14 E-02)
12/06/92	836.1	2.19 \pm 0.17 E-02	(1.88 \pm 0.16 E-02)
12/13/92	830.9	1.30 \pm 0.14 E-02	(1.42 \pm 0.13 E-02)
12/20/92	836.9	1.57 \pm 0.15 E-02	(1.43 \pm 0.14 E-02)
12/27/92	851.3	2.14 \pm 0.17 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 27

FOURTH QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	789.4	1.51 \pm 0.15 E-02	(1.59 \pm 0.15 E-02)
10/11/92	797.3	1.31 \pm 0.14 E-02	(1.39 \pm 0.14 E-02)
10/18/92	789.8	2.88 \pm 0.20 E-02	(2.65 \pm 0.18 E-02)
10/26/92	910.4	2.55 \pm 0.18 E-02	(2.56 \pm 0.21 E-02)
11/02/92	785.1	3.12 \pm 0.20 E-02	(2.81 \pm 0.19 E-02)
11/09/92	813.8	1.35 \pm 0.14 E-02	(1.42 \pm 0.14 E-02)
11/15/92	660.2	1.70 \pm 0.18 E-02	(1.67 \pm 0.16 E-02)
11/22/92	782.3	2.08 \pm 0.17 E-02	(1.92 \pm 0.17 E-02)
11/29/92	825.2	1.54 \pm 0.15 E-02	(1.54 \pm 0.14 E-02)
12/06/92	821.8	2.10 \pm 0.17 E-02	(1.88 \pm 0.16 E-02)
12/13/92	806.1	1.31 \pm 0.14 E-02	(1.42 \pm 0.13 E-02)
12/20/92	811.6	1.41 \pm 0.15 E-02	(1.43 \pm 0.14 E-02)
12/27/92	826.1	1.92 \pm 0.16 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 28

FOURTH QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/11/92	239.0	3.22 \pm 0.43 E-02	(1.39 \pm 0.14 E-02)
10/18/92	839.6	3.00 \pm 0.19 E-02	(2.65 \pm 0.18 E-02)
10/26/92	940.4	2.72 \pm 0.18 E-02	(2.56 \pm 0.21 E-02)
11/02/92	841.1	3.17 \pm 0.20 E-02	(2.81 \pm 0.19 E-02)
11/09/92	878.2	1.41 \pm 0.14 E-02	(1.42 \pm 0.14 E-02)
11/15/92	712.5	1.81 \pm 0.17 E-02	(1.67 \pm 0.16 E-02)
11/22/92	853.8	1.94 \pm 0.16 E-02	(1.92 \pm 0.17 E-02)
11/29/92	827.3	1.65 \pm 0.15 E-02	(1.54 \pm 0.14 E-02)
12/06/92	272.0	3.44 \pm 0.40 E-02	(1.88 \pm 0.16 E-02)
12/13/92	1130.7	9.44 \pm 0.99 E-03	(1.42 \pm 0.13 E-02)
12/20/92	473.9	2.83 \pm 0.27 E-02	(1.43 \pm 0.14 E-02)
12/27/92	813.6	2.17 \pm 0.17 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 29

FOURTH QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	812.9	1.76 \pm 0.16 E-02	(1.59 \pm 0.15 E-02)
10/11/92	847.3	1.40 \pm 0.14 E-02	(1.39 \pm 0.14 E-02)
10/18/92	832.4	2.73 \pm 0.19 E-02	(2.65 \pm 0.18 E-02)
10/26/92	923.4	2.65 \pm 0.18 E-02	(2.56 \pm 0.21 E-02)
11/02/92	823.3	3.25 \pm 0.20 E-02	(2.81 \pm 0.19 E-02)
11/09/92	843.7	1.28 \pm 0.14 E-02	(1.42 \pm 0.14 E-02)
11/15/92	694.0	1.67 \pm 0.17 E-02	(1.67 \pm 0.16 E-02)
11/22/92	807.6	2.36 \pm 0.18 E-02	(1.92 \pm 0.17 E-02)
11/29/92	720.9	1.96 \pm 0.18 E-02	(1.54 \pm 0.14 E-02)
12/06/92	717.7	2.56 \pm 0.20 E-02	(1.88 \pm 0.16 E-02)
12/13/92	712.4	1.60 \pm 0.16 E-02	(1.42 \pm 0.13 E-02)
12/20/92	714.1	1.83 \pm 0.17 E-02	(1.43 \pm 0.14 E-02)
12/27/92	718.0	2.42 \pm 0.19 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 30

FOURTH QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	816.7	1.89 ± 0.16 E-02	(1.59 ± 0.15 E-02)
10/11/92	841.5	1.43 ± 0.14 E-02	(1.39 ± 0.14 E-02)
10/18/92	810.6	3.17 ± 0.20 E-02	(2.65 ± 0.18 E-02)
11/02/92	653.9	3.39 ± 0.23 E-02	(2.81 ± 0.19 E-02)
11/09/92	1018.8	1.25 ± 0.12 E-02	(1.42 ± 0.14 E-02)
11/15/92	817.0	1.53 ± 0.15 E-02	(1.67 ± 0.16 E-02)
11/22/92	888.7	1.94 ± 0.15 E-02	(1.92 ± 0.17 E-02)
11/29/92	852.9	1.76 ± 0.15 E-02	(1.54 ± 0.14 E-02)
12/06/92	826.2	2.15 ± 0.17 E-02	(1.88 ± 0.16 E-02)
12/13/92	837.9	1.23 ± 0.13 E-02	(1.42 ± 0.13 E-02)
12/20/92	838.0	1.43 ± 0.14 E-02	(1.43 ± 0.14 E-02)
12/27/92	853.4	2.04 ± 0.16 E-02	(1.92 ± 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 31

FOURTH QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)

<u>DATE</u> <u>COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	744.4	1.94 \pm 0.17 E-02	(1.59 \pm 0.15 E-02)
10/11/92	745.2	1.35 \pm 0.15 E-02	(1.39 \pm 0.14 E-02)
10/18/92	740.6	3.46 \pm 0.22 E-02	(2.65 \pm 0.18 E-02)
10/26/92	825.2	3.26 \pm 0.21 E-02	(2.56 \pm 0.21 E-02)
11/02/92	743.8	3.36 \pm 0.22 E-02	(2.81 \pm 0.19 E-02)
11/09/92	742.6	1.46 \pm 0.16 E-02	(1.42 \pm 0.14 E-02)
11/15/92	640.2	2.14 \pm 0.20 E-02	(1.67 \pm 0.16 E-02)
11/22/92	681.2	2.53 \pm 0.20 E-02	(1.92 \pm 0.17 E-02)
11/29/92	721.6	1.91 \pm 0.18 E-02	(1.54 \pm 0.14 E-02)
12/06/92	692.7	2.25 \pm 0.19 E-02	(1.88 \pm 0.16 E-02)
12/13/92	699.7	1.57 \pm 0.16 E-02	(1.42 \pm 0.13 E-02)
12/20/92	709.1	1.88 \pm 0.18 E-02	(1.43 \pm 0.14 E-02)
12/27/92	716.7	2.55 \pm 0.20 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES - BETA
(PICOCURIES PER CUBIC METER)

HBR - 32

FOURTH QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)

<u>DATE COLLECTED</u>	<u>CUBIC METERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
10/04/92	748.9	1.17 \pm 0.14 E-02	(1.59 \pm 0.15 E-02)
10/11/92	769.0	1.14 \pm 0.14 E-02	(1.39 \pm 0.14 E-02)
10/18/92	746.8	2.41 \pm 0.19 E-02	(2.65 \pm 0.18 E-02)
10/26/92	1035.9	9.63 \pm 1.19 E-03	(2.56 \pm 0.21 E-02)
11/02/92	728.0	2.67 \pm 0.20 E-02	(2.81 \pm 0.19 E-02)
11/09/92	773.4	1.05 \pm 0.14 E-02	(1.42 \pm 0.14 E-02)
11/15/92	622.6	1.51 \pm 0.18 E-02	(1.67 \pm 0.16 E-02)
11/22/92	730.8	1.60 \pm 0.16 E-02	(1.92 \pm 0.17 E-02)
11/29/92	738.5	1.37 \pm 0.15 E-02	(1.54 \pm 0.14 E-02)
12/06/92	710.5	2.13 \pm 0.18 E-02	(1.88 \pm 0.16 E-02)
12/13/92	700.9	1.26 \pm 0.15 E-02	(1.42 \pm 0.13 E-02)
12/20/92	714.4	1.35 \pm 0.16 E-02	(1.43 \pm 0.14 E-02)
12/27/92	725.4	1.65 \pm 0.16 E-02	(1.92 \pm 0.15 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 33

THIRD QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 11488.1 CUBIC METERS

ISOTOPE

CONTROL ACTIVITY

BE-7

(8.43 \pm 0.59 E-02)

K-40

(4.62 \pm 2.42 E-03)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 34

THIRD QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10915.9 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	7.15 \pm 0.59 E-02	(8.43 \pm 0.59 E-02)
K-40	LESS THAN LLD	(4.62 \pm 2.42 E-03)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 35

THIRD QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10125.3 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$7.81 \pm 0.62 \text{ E-02}$	$(8.43 \pm 0.59 \text{ E-02})$
K-40	LESS THAN LLD	$(4.62 \pm 2.42 \text{ E-03})$

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 36

THIRD QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 11985.9 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$6.62 \pm 0.63 \text{ E-02}$	$(8.43 \pm 0.59 \text{ E-02})$
K-40	LESS THAN LLD	$(4.62 \pm 2.42 \text{ E-03})$

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 37

THIRD QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9652.7 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$9.86 \pm 0.74 \text{ E-02}$	$(8.43 \pm 0.59 \text{ E-02})$
K-40	LESS THAN LLD	$(4.62 \pm 2.42 \text{ E-03})$

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 38

THIRD QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10569.7 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	9.04 \pm 0.66 E-02	(8.43 \pm 0.59 E-02)
K-40	LESS THAN LLD	(4.62 \pm 2.42 E-03)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 39

THIRD QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9609.2 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.14 \pm 0.08 \text{ E-01}$	$(8.43 \pm 0.59 \text{ E-02})$
K-40	LESS THAN LLD	$(4.62 \pm 2.42 \text{ E-03})$

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 40

THIRD QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9915.2 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	5.35 \pm 0.51 E-02	(8.43 \pm 0.59 E-02)
K-40	7.87 \pm 3.63 E-03	(4.62 \pm 2.42 E-03)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 41

FOURTH QUARTER, 1992

26 MI ESE - FLORENCE - CONTROL (AP-1)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 11063.6 CUBIC METERS

ISOTOPE

CONTROL ACTIVITY

BE-7

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 42

FOURTH QUARTER, 1992

0.2 MI S - INFORMATION CENTER (AP-2)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 11527.6 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

8.77 \pm 0.57 E-02

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 43

FOURTH QUARTER, 1992

0.7 MI N - MICROWAVE TOWER (AP-3)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10419.1 CUBIC METERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	9.66 \pm 0.70 E-02	(8.89 \pm 0.59 E-02)
K-40	4.38 \pm 3.74 E-03	(LESS THAN LLD)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 44

FOURTH QUARTER, 1992

0.4 MI ESE - SPILLWAY (AP-4)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 8823.1 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.06 \pm 0.07 E-01

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 45

FOURTH QUARTER, 1992

0.9 MI ENE - JOHNSON'S LANDING (AP-5)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10167.7 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.13 \pm 0.07 E-01

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 46

FOURTH QUARTER, 1992

0.3 MI SW - INFORMATION CENTER (AP-6)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 10056.6 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

9.50 \pm 0.79 E-02

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 47

FOURTH QUARTER, 1992

6.3 MI ESE - HARTSVILLE CP&L SUBSTATION (AP-7)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9403 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

1.12 \pm 0.08 E-01

(8.89 \pm 0.59 E-02)

AIR PARTICULATE SAMPLES
(PICOCURIES PER CUBIC METER)

HBR - 48

FOURTH QUARTER, 1992

0.3 MI SSE - SITE BOUNDARY (AP-55)
(COMPOSITE SAMPLE)

GAMMA SPECTROMETRY

VOLUME: 9745.1 CUBIC METERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

BE-7

6.53 \pm 0.56 E-02

(8.89 \pm 0.59 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 49

JULY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 07/26/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 576 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	2.49 \pm 0.45 E-01	(3.02 \pm 0.53 E-01)
K-40	3.08 \pm 0.13 E+00	(2.39 \pm 0.16 E+00)
I-131	< 1.33E-02	(< 1.61E-02)
CS-134	< 1.29E-02	(< 1.43E-02)
CS-137	2.81 \pm 0.53 E-02	(2.94 \pm 0.79 E-02)
TL-208	2.32 \pm 0.62 E-02	(1.04 \pm 0.64 E-02)
PB-212	4.79 \pm 1.20 E-02	(2.26 \pm 0.90 E-02)
BI-214	LESS THAN LLD	(4.98 \pm 1.62 E-02)
RA-226	1.70 \pm 1.19 E-01	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 50

JULY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 07/26/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 582.9 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$3.83 \pm 0.54 \text{ E-01}$	$(3.02 \pm 0.53 \text{ E-01})$
K-40	$1.90 \pm 0.13 \text{ E+00}$	$(2.39 \pm 0.16 \text{ E+00})$
I-131	$< 1.67\text{E-02}$	$(< 1.61\text{E-02})$
CS-134	$< 1.41\text{E-02}$	$(< 1.43\text{E-02})$
CS-137	$< 1.68\text{E-02}$	$(2.94 \pm 0.79 \text{ E-02})$
TL-208	LESS THAN LLD	$(1.04 \pm 0.64 \text{ E-02})$
PB-212	LESS THAN LLD	$(2.26 \pm 0.90 \text{ E-02})$
BI-214	$3.18 \pm 1.63 \text{ E-02}$	$(4.98 \pm 1.62 \text{ E-02})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 51

JULY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 07/26/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 468.3 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7	(3.02 ± 0.53 E-01)
K-40	(2.39 ± 0.16 E+00)
I-131	(< 1.61E-02)
CS-134	(< 1.43E-02)
CS-137	(2.94 ± 0.79 E-02)
TL-208	(1.04 ± 0.64 E-02)
PB-212	(2.26 ± 0.90 E-02)
BI-214	(4.98 ± 1.62 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 52

JULY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 07/26/92)

OAK

GAMMA SPECTROMETRY

MASS: 407.9 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	5.06 \pm 0.72 E-01	(8.34 \pm 0.94 E-01)
K-40	2.17 \pm 0.18 E+00	(1.79 \pm 0.17 E+00)
I-131	< 1.81E-02	(< 2.37E-02)
CS-134	< 1.56E-02	(< 1.96E-02)
CS-137	3.75 \pm 0.15 E-01	(2.48 \pm 0.15 E-01)
PB-212	5.68 \pm 1.20 E-02	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 53

JULY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 07/26/92)

OAK

GAMMA SPECTROMETRY

MASS: 357.2 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$6.03 \pm 0.86 \text{ E-01}$	$(8.34 \pm 0.94 \text{ E-01})$
K-40	$2.32 \pm 0.17 \text{ E+00}$	$(1.79 \pm 0.17 \text{ E+00})$
I-131	$< 2.21\text{E-02}$	$(< 2.37\text{E-02})$
CS-134	$< 1.97\text{E-02}$	$(< 1.96\text{E-02})$
CS-137	$3.26 \pm 0.16 \text{ E-01}$	$(2.48 \pm 0.15 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 54

JULY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 07/26/92)

OAK

GAMMA SPECTROMETRY

MASS:

336 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(8.34 \pm 0.94 E-01)

K-40

(1.79 \pm 0.17 E+00)

I-131

(< 2.37E-02)

CS-134

(< 1.96E-02)

CS-137

(2.48 \pm 0.15 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 55

JULY, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 07/26/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 529.6 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$7.03 \pm 0.66 \text{ E-01}$	$(6.07 \pm 0.69 \text{ E-01})$
K-40	$2.61 \pm 0.15 \text{ E+00}$	$(2.21 \pm 0.18 \text{ E+00})$
I-131	$< 1.56\text{E-02}$	$(< 2.21\text{E-02})$
CS-134	$< 1.38\text{E-02}$	$(< 1.89\text{E-02})$
CS-137	$8.36 \pm 0.73 \text{ E-02}$	$(8.90 \pm 1.12 \text{ E-02})$
TL-208	LESS THAN LLD	$(1.16 \pm 0.74 \text{ E-02})$
PB-212	$3.02 \pm 0.97 \text{ E-02}$	$(3.69 \pm 1.32 \text{ E-02})$
BI-214	LESS THAN LLD	$(2.37 \pm 1.73 \text{ E-02})$
RA-226	$1.76 \pm 1.33 \text{ E-01}$	$(2.16 \pm 1.52 \text{ E-01})$
AC-228	$1.87 \pm 0.28 \text{ E-01}$	$(1.12 \pm 0.37 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 56

JULY, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 07/26/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 509.6 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$4.41 \pm 0.79 \text{ E-01}$	$(6.07 \pm 0.69 \text{ E-01})$
K-40	$2.74 \pm 0.16 \text{ E+00}$	$(2.21 \pm 0.18 \text{ E+00})$
I-131	$< 1.93\text{E-02}$	$(< 2.21\text{E-02})$
CS-134	$< 1.78\text{E-02}$	$(< 1.89\text{E-02})$
CS-137	$4.80 \pm 0.74 \text{ E-02}$	$(8.90 \pm 1.12 \text{ E-02})$
TL-208	LESS THAN LLD	$(1.16 \pm 0.74 \text{ E-02})$
PB-212	LESS THAN LLD	$(3.69 \pm 1.32 \text{ E-02})$
BI-214	LESS THAN LLD	$(2.37 \pm 1.73 \text{ E-02})$
RA-226	LESS THAN LLD	$(2.16 \pm 1.52 \text{ E-01})$
AC-228	LESS THAN LLD	$(1.12 \pm 0.37 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 57

JULY, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 07/26/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 392.5 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7	(6.07 \pm 0.69 E-01)
K-40	(2.21 \pm 0.18 E+00)
I-131	(< 2.21E-02)
CS-134	(< 1.89E-02)
CS-137	(8.90 \pm 1.12 E-02)
TL-208	(1.16 \pm 0.74 E-02)
PB-212	(3.69 \pm 1.32 E-02)
BI-214	(2.37 \pm 1.73 E-02)
RA-226	(2.16 \pm 1.52 E-01)
AC-228	(1.12 \pm 0.37 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 58

AUGUST, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 08/30/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 417.6 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$3.84 \pm 0.54 \text{ E-01}$	$(6.59 \pm 0.73 \text{ E-01})$
K-40	$2.39 \pm 0.16 \text{ E+00}$	$(2.52 \pm 0.16 \text{ E+00})$
I-131	$< 1.49\text{E-02}$	$(< 1.51\text{E-02})$
CS-134	$< 1.59\text{E-02}$	$(< 1.34\text{E-02})$
CS-137	$< 1.91\text{E-02}$	$(2.34 \pm 0.82 \text{ E-02})$
TL-208	LESS THAN LLD	$(1.51 \pm 0.66 \text{ E-02})$
PB-212	$1.99 \pm 1.10 \text{ E-02}$	$(1.81 \pm 0.96 \text{ E-02})$
BI-214	$2.25 \pm 1.46 \text{ E-02}$	(LESS THAN LLD)
RA-226	LESS THAN LLD	$(1.80 \pm 1.36 \text{ E-01})$
AC-228	LESS THAN LLD	$(6.01 \pm 2.57 \text{ E-02})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 59

AUGUST, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 08/30/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 468.4 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$2.89 \pm 0.71 \text{ E-01}$	$(6.59 \pm 0.73 \text{ E-01})$
K-40	$2.96 \pm 0.16 \text{ E+00}$	$(2.52 \pm 0.16 \text{ E+00})$
I-131	$< 1.68\text{E-02}$	$(< 1.51\text{E-02})$
CS-134	$< 1.61\text{E-02}$	$(< 1.34\text{E-02})$
CS-137	$< 1.61\text{E-02}$	$(2.34 \pm 0.82 \text{ E-02})$
TL-208	LESS THAN LLD	$(1.51 \pm 0.66 \text{ E-02})$
PB-212	$3.86 \pm 1.09 \text{ E-02}$	$(1.81 \pm 0.96 \text{ E-02})$
RA-226	LESS THAN LLD	$(1.80 \pm 1.36 \text{ E-01})$
AC-228	LESS THAN LLD	$(6.01 \pm 2.57 \text{ E-02})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 60

AUGUST, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 08/30/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 479 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(6.59 \pm 0.73 E-01)

K-40

(2.52 \pm 0.16 E+00)

I-131

(< 1.51E-02)

CS-134

(< 1.34E-02)

CS-137

(2.34 \pm 0.82 E-02)

TL-208

(1.51 \pm 0.66 E-02)

PB-212

(1.81 \pm 0.96 E-02)

RA-226

(1.80 \pm 1.36 E-01)

AC-228

(6.01 \pm 2.57 E-02)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 61

AUGUST, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 08/30/92)

OAK

GAMMA SPECTROMETRY

MASS: 355.1 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$2.27 \pm 0.16 \text{ E}+00$	$(7.95 \pm 0.95 \text{ E}-01)$
K-40	$1.85 \pm 0.17 \text{ E}+00$	$(2.16 \pm 0.18 \text{ E}+00)$
I-131	$< 2.86\text{E}-02$	$(< 2.43\text{E}-02)$
CS-134	$< 1.80\text{E}-02$	$(< 2.17\text{E}-02)$
CS-137	$2.39 \pm 0.03 \text{ E}+00$	$(4.96 \pm 0.20 \text{ E}-01)$
BI-214	$4.21 \pm 1.97 \text{ E}-02$	(LESS THAN LLD)
RA-226	$5.73 \pm 3.05 \text{ E}-01$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 62

AUGUST, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 08/30/92)

OAK

GAMMA SPECTROMETRY

MASS: 366.3 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.19 ± 0.11 E+00	(7.95 ± 0.95 E-01)
K-40	1.84 ± 0.19 E+00	(2.16 ± 0.18 E+00)
I-131	< 2.14E-02	(< 2.43E-02)
CS-134	< 1.99E-02	(< 2.17E-02)
CS-137	1.28 ± 0.03 E+00	(4.96 ± 0.20 E-01)
PB-212	3.24 ± 1.37 E-02	(LESS THAN LLD)
RA-226	3.80 ± 1.86 E-01	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 63

AUGUST, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 08/30/92)

OAK

GAMMA SPECTROMETRY

MASS: 320 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(7.95 \pm 0.95 E-01)

K-40

(2.16 \pm 0.18 E+00)

I-131

(< 2.43E-02)

CS-134

(< 2.17E-02)

CS-137

(4.96 \pm 0.20 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 64

AUGUST, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 08/30/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 388.4 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$9.25 \pm 0.79 \text{ E-01}$	$(1.65 \pm 0.10 \text{ E+00})$
K-40	$2.77 \pm 0.22 \text{ E+00}$	$(2.49 \pm 0.18 \text{ E+00})$
I-131	$< 2.37\text{E-02}$	$(< 2.20\text{E-02})$
CS-134	$< 2.19\text{E-02}$	$(< 1.86\text{E-02})$
CS-137	$1.26 \pm 0.13 \text{ E-01}$	$(5.09 \pm 0.79 \text{ E-02})$
PB-212	LESS THAN LLD	$(4.41 \pm 1.40 \text{ E-02})$
BI-214	$7.94 \pm 2.44 \text{ E-02}$	(LESS THAN LLD)
AC-228	LESS THAN LLD	$(2.06 \pm 0.32 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 65

AUGUST, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 08/30/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 395.9 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.92 ± 0.10 E+00	(1.65 ± 0.10 E+00)
K-40	2.15 ± 0.18 E+00	(2.49 ± 0.18 E+00)
I-131	< 2.01E-02	(< 2.20E-02)
CS-134	< 1.87E-02	(< 1.86E-02)
CS-137	9.61 ± 1.15 E-02	(5.09 ± 0.79 E-02)
PB-212	LESS THAN LLD	(4.41 ± 1.40 E-02)
AC-228	LESS THAN LLD	(2.06 ± 0.32 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 66

AUGUST, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 08/30/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 403.5 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7	(1.65 ± 0.10 E+00)
K-40	(2.49 ± 0.18 E+00)
I-131	(< 2.20E-02)
CS-134	(< 1.86E-02)
CS-137	(5.09 ± 0.79 E-02)
PB-212	(4.41 ± 1.40 E-02)
AC-228	(2.06 ± 0.32 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 67

SEPTEMBER, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 09/27/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 514.5 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	5.92 \pm 0.54 E-01	(5.78 \pm 0.77 E-01)
K-40	1.91 \pm 0.14 E+00	(3.10 \pm 0.18 E+00)
I-131	< 1.27E-02	(< 1.92E-02)
CS-134	< 1.35E-02	(< 1.78E-02)
CS-137	3.63 \pm 0.70 E-02	(2.06 \pm 0.77 E-02)
TL-208	9.93 \pm 6.38 E-03	(7.07 \pm 6.30 E-03)
PB-212	2.66 \pm 0.89 E-02	(3.25 \pm 1.31 E-02)
BI-214	3.30 \pm 1.22 E-02	(LESS THAN LLD)
RA-226	1.83 \pm 1.78 E-01	(1.96 \pm 1.89 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 68

SEPTEMBER, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 09/27/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 485.1 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$8.31 \pm 0.72 \text{ E-01}$	$(5.78 \pm 0.77 \text{ E-01})$
K-40	$2.10 \pm 0.15 \text{ E+00}$	$(3.10 \pm 0.18 \text{ E+00})$
I-131	$< 1.74\text{E-02}$	$(< 1.92\text{E-02})$
CS-134	$< 1.59\text{E-02}$	$(< 1.78\text{E-02})$
CS-137	$2.78 \pm 0.65 \text{ E-02}$	$(2.06 \pm 0.77 \text{ E-02})$
TL-208	$7.76 \pm 5.96 \text{ E-03}$	$(7.07 \pm 6.30 \text{ E-03})$
PB-212	$4.69 \pm 1.41 \text{ E-02}$	$(3.25 \pm 1.31 \text{ E-02})$
RA-226	$1.65 \pm 1.51 \text{ E-01}$	$(1.96 \pm 1.89 \text{ E-01})$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 69

SEPTEMBER, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 09/27/92)

CHERRY

GAMMA SPECTROMETRY

MASS: 437.1 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(5.78 \pm 0.77 E-01)

K-40

(3.10 \pm 0.18 E+00)

I-131

(< 1.92E-02)

CS-134

(< 1.78E-02)

CS-137

(2.06 \pm 0.77 E-02)

TL-208

(7.07 \pm 6.30 E-03)

PB-212

(3.25 \pm 1.31 E-02)

RA-226

(1.96 \pm 1.89 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 70

SEPTEMBER, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 09/27/92)

OAK

GAMMA SPECTROMETRY

MASS: 322.4 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$1.19 \pm 0.15 \text{ E}+00$	$(9.19 \pm 1.04 \text{ E}-01)$
K-40	$1.92 \pm 0.20 \text{ E}+00$	$(2.30 \pm 0.21 \text{ E}+00)$
I-131	$< 2.99\text{E}-02$	$(< 3.47\text{E}-02)$
CS-134	$< 2.48\text{E}-02$	$(< 2.75\text{E}-02)$
CS-137	$8.23 \pm 0.27 \text{ E}-01$	$(6.13 \pm 0.24 \text{ E}-01)$

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 71

SEPTEMBER, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 09/27/92)

OAK

GAMMA SPECTROMETRY

MASS: 338.7 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$8.51 \pm 1.10 \text{ E-01}$	$(9.19 \pm 1.04 \text{ E-01})$
K-40	$1.81 \pm 0.16 \text{ E+00}$	$(2.30 \pm 0.21 \text{ E+00})$
I-131	$< 2.36\text{E-02}$	$(< 3.47\text{E-02})$
CS-134	$< 1.80\text{E-02}$	$(< 2.75\text{E-02})$
CS-137	$6.98 \pm 0.19 \text{ E-01}$	$(6.13 \pm 0.24 \text{ E-01})$
BI-214	$3.33 \pm 2.23 \text{ E-02}$	(LESS THAN LLD)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 72

SEPTEMBER, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 09/27/92)

OAK

GAMMA SPECTROMETRY

MASS: 303 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(9.19 \pm 1.04 E-01)

K-40

(2.30 \pm 0.21 E+00)

I-131

(< 3.47E-02)

CS-134

(< 2.75E-02)

CS-137

(6.13 \pm 0.24 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 73

SEPTEMBER, 1992

SSE - CP&L PROPERTY (BL-50)
(DATE COLLECTED: 09/27/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 418.1 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.20 \pm 0.09 E+00	(1.61 \pm 0.09 E+00)
K-40	1.74 \pm 0.16 E+00	(2.14 \pm 0.19 E+00)
I-131	< 2.03E-02	(< 2.05E-02)
CS-134	< 2.15E-02	(< 2.00E-02)
CS-137	3.18 \pm 0.84 E-02	(< 1.91E-02)
TL-208	2.75 \pm 0.99 E-02	(LESS THAN LLD)
PB-212	7.22 \pm 1.45 E-02	(6.47 \pm 1.83 E-02)
BI-214	3.29 \pm 1.84 E-02	(LESS THAN LLD)
AC-228	3.71 \pm 0.38 E-01	(1.76 \pm 0.36 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 74

SEPTEMBER, 1992

SSW - CP&L PROPERTY (BL-51)
(DATE COLLECTED: 09/27/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 410.8 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.62 \pm 0.09 E+00	(1.61 \pm 0.09 E+00)
K-40	1.61 \pm 0.14 E+00	(2.14 \pm 0.19 E+00)
I-131	< 2.14E-02	(< 2.05E-02)
CS-134	< 2.24E-02	(< 2.00E-02)
CS-137	3.63 \pm 0.90 E-02	(< 1.91E-02)
TL-208	3.05 \pm 0.89 E-02	(LESS THAN LLD)
PB-212	1.20 \pm 0.19 E-01	(6.47 \pm 1.83 E-02)
BI-214	3.21 \pm 1.94 E-02	(LESS THAN LLD)
RA-226	2.89 \pm 1.98 E-01	(LESS THAN LLD)
AC-228	4.16 \pm 0.43 E-01	(1.76 \pm 0.36 E-01)

BROADLEAF VEGETATION SAMPLES
(PICOCURIES PER GRAM)

HBR - 75

SEPTEMBER, 1992

10 MI W - BETHUNE - CONTROL (BL-52)
(DATE COLLECTED: 09/27/92)

SASSAFRAS

GAMMA SPECTROMETRY

MASS: 356.2 GRAMS WET

ISOTOPE

CONTROL ACTIVITY

BE-7

(1.61 \pm 0.09 E+00)

K-40

(2.14 \pm 0.19 E+00)

I-131

(< 2.05E-02)

CS-134

(< 2.00E-02)

CS-137

(< 1.91E-02)

PB-212

(6.47 \pm 1.83 E-02)

AC-228

(1.76 \pm 0.36 E-01)

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 76

SECOND SEMI-ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (F1-45)
(DATE COLLECTED: 11/04/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 559.6 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$1.90 \pm 0.25 \text{ E}+00$	$(4.85 \pm 0.49 \text{ E}+00)$
CS-137	$8.31 \pm 1.74 \text{ E}-02$	$(2.45 \pm 0.30 \text{ E}-01)$
PB-214	LESS THAN LLD	$(2.32 \pm 0.53 \text{ E}-01)$
BI-214	LESS THAN LLD	$(2.27 \pm 0.63 \text{ E}-01)$

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 77

SECOND SEMI-ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (F1-46)
(DATE COLLECTED: 11/04/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 475.4 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$3.56 \pm 0.33 \text{ E}+00$	$(4.85 \pm 0.49 \text{ E}+00)$
CS-137	$5.60 \pm 1.36 \text{ E}-02$	$(2.45 \pm 0.30 \text{ E}-01)$
PB-214	LESS THAN LLD	$(2.32 \pm 0.53 \text{ E}-01)$
BI-214	$7.33 \pm 3.36 \text{ E}-02$	$(2.27 \pm 0.63 \text{ E}-01)$

BOTTOM FEEDER SAMPLES
(PICOCURIES PER GRAM)

HBR - 78

SECOND SEMI-ANNUAL, 1992

13 MI NNW - LAKE BEE - CONTROL (F1-47)
(DATE COLLECTED: 11/04/92)

BOTTOM FEEDERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 319.3 GRAMS FRESH

ISOTOPE

CONTROL ACTIVITY

K-40

(4.85 \pm 0.49 E+00)

CS-137

(2.45 \pm 0.30 E-01)

PB-214

(2.32 \pm 0.53 E-01)

BI-214

(2.27 \pm 0.63 E-01)

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 79

SECOND SEMI-ANNUAL, 1992

SITE VARIES WITHIN LAKE ROBINSON (F2-45)
(DATE COLLECTED: 11/04/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 793.2 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$2.82 \pm 0.21 \text{ E}+00$	$(3.10 \pm 0.39 \text{ E}+00)$
CS-137	$1.04 \pm 0.11 \text{ E}-01$	$(2.08 \pm 0.27 \text{ E}-01)$
PB-214	LESS THAN LLD	$(1.61 \pm 0.46 \text{ E}-01)$
BI-214	$4.58 \pm 1.74 \text{ E}-02$	$(1.07 \pm 0.43 \text{ E}-01)$

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 80

SECOND SEMI-ANNUAL, 1992

4.9 MI ESE - PRESTWOOD LAKE (F2-46)
(DATE COLLECTED: 11/04/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 473.1 GRAMS FRESH

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	$3.91 \pm 0.31 \text{ E}+00$	$(3.10 \pm 0.39 \text{ E}+00)$
CS-137	$1.17 \pm 0.23 \text{ E}-01$	$(2.08 \pm 0.27 \text{ E}-01)$
PB-214	LESS THAN LLD	$(1.61 \pm 0.46 \text{ E}-01)$
BI-214	LESS THAN LLD	$(1.07 \pm 0.43 \text{ E}-01)$

FREE SWIMMER SAMPLES
(PICOCURIES PER GRAM)

HBR - 81

SECOND SEMI-ANNUAL, 1992

13 MI NNW - LAKE BEE - CONTROL (F2-47)
(DATE COLLECTED: 11/04/92)

FREE SWIMMERS, EDIBLE PORTION

GAMMA SPECTROMETRY

MASS: 339.1 GRAMS FRESH

ISOTOPE

CONTROL ACTIVITY

K-40

(3.10 \pm 0.39 E+00)

CS-137

(2.08 \pm 0.27 E-01)

PB-214

(1.61 \pm 0.46 E-01)

BI-214

(1.07 \pm 0.43 E-01)

FOOD CROP SAMPLES
(PICOCURIES PER GRAM)

HBR - 82

ONE TIME PER GROWING SEASON, 1992

SITE VARIES FROM PLANT (FC-58)
(DATE COLLECTED: 07/13/92)

COLLARDS

GAMMA SPECTROMETRY

MASS: 580.2 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	3.87 \pm 0.15 E+00	(NOT REQUIRED)
I-131	< 9.99E-03	(NOT REQUIRED)
CS-134	< 1.43E-02	(NOT REQUIRED)
CS-137	< 1.31E-02	(NOT REQUIRED)
TL-208	5.23 \pm 0.85 E-02	(NOT REQUIRED)
PB-212	1.36 \pm 0.11 E-01	(NOT REQUIRED)
BI-212	1.45 \pm 0.42 E-01	(NOT REQUIRED)
AC-228	2.04 \pm 0.28 E-01	(NOT REQUIRED)

FOOD CROP SAMPLES
(PICOCURIES PER GRAM)

HBR - 83

ONE TIME PER GROWING SEASON, 1992

SITE VARIES FROM PLANT (FC-58)
(DATE COLLECTED: 07/13/92)

PEACHES

GAMMA SPECTROMETRY

MASS: 1056.8 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.72 ± 0.08 E+00	(NOT REQUIRED)
I-131	< 6.10E-03	(NOT REQUIRED)
CS-134	< 5.75E-03	(NOT REQUIRED)
CS-137	< 6.83E-03	(NOT REQUIRED)

FOOD CROP SAMPLES
(PICOCURIES PER GRAM)

HBR - 84

ONE TIME PER GROWING SEASON, 1992

GREATER THAN 5 MI FROM SITE - CONTROL (FC-49)
(DATE COLLECTED: 07/13/92)

TOMATOES

GAMMA SPECTROMETRY

MASS: 937 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	2.08 ± 0.10 E+00	(NOT REQUIRED)
I-131	< 7.99E-03	(NOT REQUIRED)
CS-134	< 8.74E-03	(NOT REQUIRED)
CS-137	< 1.02E-02	(NOT REQUIRED)

FOOD CROP SAMPLES
(PICOCURIES PER GRAM)

HBR - 85

ONE TIME PER GROWING SEASON, 1992

SITE VARIES FROM PLANT (FC-58)
(DATE COLLECTED: 11/09/92)

COLLARDS

GAMMA SPECTROMETRY

MASS: 542.9 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	$2.13 \pm 0.44 \text{ E-01}$	(NOT REQUIRED)
K-40	$4.18 \pm 0.16 \text{ E+00}$	(NOT REQUIRED)
I-131	$< 1.17\text{E-02}$	(NOT REQUIRED)
CS-134	$< 1.39\text{E-02}$	(NOT REQUIRED)
CS-137	$< 1.40\text{E-02}$	(NOT REQUIRED)
TL-208	$1.57 \pm 0.60 \text{ E-02}$	(NOT REQUIRED)
PB-212	$2.92 \pm 0.93 \text{ E-02}$	(NOT REQUIRED)
RA-226	$1.93 \pm 1.19 \text{ E-01}$	(NOT REQUIRED)

FOOD CROP SAMPLES
(PICOCURIES PER GRAM)

HBR - 86

ONE TIME PER GROWING SEASON, 1992

SITE VARIES FROM PLANT (FC-58)
(DATE COLLECTED: 11/09/92)

TURNIPS AND GREENS

GAMMA SPECTROMETRY

MASS: 660.4 GRAMS WET

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.79 \pm 0.44 E-01	(NOT REQUIRED)
K-40	3.24 \pm 0.14 E+00	(NOT REQUIRED)
I-131	< 1.00E-02	(NOT REQUIRED)
CS-134	< 1.03E-02	(NOT REQUIRED)
CS-137	< 1.24E-02	(NOT REQUIRED)
PB-212	1.47 \pm 0.79 E-02	(NOT REQUIRED)
RA-226	1.37 \pm 0.90 E-01	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 87

JULY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 07/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.64E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	8.30 ± 3.01 E+01	(NOT REQUIRED)
PB-212	4.89 ± 1.81 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 88

JULY, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 07/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.64E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 89

JULY, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 07/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.64E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
RA-226	3.00 ± 2.44 E+01	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 90

AUGUST, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 08/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.72E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 91

AUGUST, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 08/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.72E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	2.75 ± 1.98 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 92

AUGUST, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 08/03/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.72E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
RA-226	4.83 ± 3.08 E+01	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 93

SEPTEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 09/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.03E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 94

SEPTEMBER, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 09/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.03E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	5.64 ± 2.97 E+01	(NOT REQUIRED)
PB-212	7.55 ± 2.67 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 95

SEPTEMBER, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 09/01/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.03E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	2.11 ± 1.70 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 96

OCTOBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 10/04/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.98E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	2.22 ± 1.99 E+00	(NOT REQUIRED)
BI-214	4.08 ± 3.17 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 97

OCTOBER, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 10/04/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.98E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.36 ± 0.31 E+02	(NOT REQUIRED)
PB-212	4.97 ± 2.49 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 98

OCTOBER, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 10/04/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.98E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 99

NOVEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 11/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.00E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	3.53 ± 2.82 E+01	(NOT REQUIRED)
PB-212	7.16 ± 2.56 E+00	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 100

NOVEMBER, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 11/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.00E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
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ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 101

NOVEMBER, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 11/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.00E+03	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	2.31 ± 1.52 E+00	(NOT REQUIRED)
BI-214	5.78 ± 3.03 E+00	(NOT REQUIRED)
RA-226	3.82 ± 2.16 E+01	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 102

DECEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (GW-40)
(DATE COLLECTED: 12/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.90E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	6.89 ± 3.04 E+01	(NOT REQUIRED)

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 103

DECEMBER, 1992

UNIT 1 DEEP WELL NEAR SITE ENTRANCE (GW-42)
(DATE COLLECTED: 12/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.90E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

SAMPLE ACTIVITY CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

GROUNDWATER SAMPLES
(PICOCURIES PER LITER)

HBR - 104

DECEMBER, 1992

UNIT 2 DEEP WELL (GW-43)
(DATE COLLECTED: 12/06/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.90E+02	(NOT REQUIRED)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
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ALL GAMMA EMITTERS LESS THAN LLD

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 105

July 13, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 07/13/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.02E-01	(< 5.31E-01)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.32 ± 0.06 E+03	(1.36 ± 0.05 E+03)
PB-212	LESS THAN LLD	(1.25 ± 0.42 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 106

July 13, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 07/13/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.31E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.36 ± 0.05 E+03)
PB-212	(1.25 ± 0.42 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 107

July 27, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 07/27/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.17E-01	(< 5.85E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.22 \pm 0.05 E+03	(1.32 \pm 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 108

July 27, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 07/27/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.85E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

K-40

CONTROL ACTIVITY

(1.32 ± 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 109

August 10, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 08/10/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 6.15E-01	(< 5.92E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.25 \pm 0.06 E+03	(1.40 \pm 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 110

August 10, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 08/10/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.92E-01)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

<u>ISOTOPE</u>	<u>CONTROL ACTIVITY</u>
K-40	(1.40 ± 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 111

August 24, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 08/24/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 6.36E-01	(< 4.90E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.26 \pm 0.06 E+03	(1.28 \pm 0.05 E+03)
PB-212	LESS THAN LLD	(7.24 \pm 3.39 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 112

August 24, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 08/24/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 4.90E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.28 ± 0.05 E+03)

PB-212

(7.24 ± 3.39 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 113

September 7, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 09/07/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.42E-01	(< 5.06E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.37 ± 0.05 E+03	(1.41 ± 0.05 E+03)
TL-208	5.58 ± 2.13 E+00	(LESS THAN LLD)
PB-212	7.01 ± 3.21 E+00	(LESS THAN LLD)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 114

September 7, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 09/07/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.06E-01)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

<u>ISOTOPE</u>	<u>CONTROL ACTIVITY</u>
K-40	(1.41 ± 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 115

September 21, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 09/21/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 4.95E-01	(< 5.63E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.34 ± 0.05 E+03	(1.33 ± 0.05 E+03)
PB-212	LESS THAN LLD	(3.37 ± 3.25 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 116

September 21, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 09/21/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.63E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.33 ± 0.05 E+03)

PB-212

(3.37 ± 3.25 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 117

October 5, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 10/05/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.27E-01	(< 5.41E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.32 \pm 0.06 E+03	(1.34 \pm 0.05 E+03)
TL-208	LESS THAN LLD	(4.06 \pm 1.94 E+00)
PB-212	LESS THAN LLD	(4.31 \pm 3.57 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 118

October 5, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 10/05/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.41E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.34 ± 0.05 E+03)
TL-208	(4.06 ± 1.94 E+00)
PB-212	(4.31 ± 3.57 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 119

October 19, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 10/19/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.81E-01	(< 5.13E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.19 ± 0.05 E+03	(1.35 ± 0.05 E+03)
RA-226	LESS THAN LLD	(4.39 ± 4.24 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 120

October 19, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 10/19/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 5.13E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.35 ± 0.05 E+03)
RA-226	(4.39 ± 4.24 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 121

November 2, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 11/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 6.20E-01	(< 6.76E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.24 \pm 0.05 E+03	(1.31 \pm 0.04 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 122

November 2, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 11/02/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.76E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.31 ± 0.04 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 123

November 16, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 11/16/92)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

K-40

1.25 \pm 0.06 E+03

(1.53 \pm 0.06 E+03)

PB-212

LESS THAN LLD

(6.05 \pm 3.55 E+00)

RA-226

LESS THAN LLD

(7.02 \pm 4.70 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 124

November 16, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 11/16/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 8.97E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40	(1.53 ± 0.06 E+03)
PB-212	(6.05 ± 3.55 E+00)
RA-226	(7.02 ± 4.70 E+01)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 125

November 30, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 11/30/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 6.46E-01	(< 6.87E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.20 \pm 0.05 E+03	(1.51 \pm 0.05 E+03)
PB-212	LESS THAN LLD	(6.61 \pm 4.08 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 126

November 30, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 11/30/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.87E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.51 ± 0.05 E+03)

PB-212

(6.61 ± 4.08 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 127

December 14, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 12/14/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.81E-01	(< 6.15E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.42 ± 0.05 E+03	(1.26 ± 0.05 E+03)
PB-212	6.80 ± 3.52 E+00	(LESS THAN LLD)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 128

December 14, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 12/14/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.15E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.26 ± 0.05 E+03)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 129

December 28, 1992

10.1 MI E - AUBURNDALE PLANTATION (MK-54)
(DATE COLLECTED: 12/28/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	< 5.65E-01	(< 6.15E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	1.18 \pm 0.05 E+03	(1.49 \pm 0.06 E+03)
PB-212	LESS THAN LLD	(7.44 \pm 3.35 E+00)

MILK SAMPLES
(PICOCURIES PER LITER)

HBR - 130

December 28, 1992

18 MI ESE - CUNNINGHAM FARM - CONTROL (MK-63)
(DATE COLLECTED: 12/28/92)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
I-131	4.0	(< 6.15E-01)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(1.49 ± 0.06 E+03)

PB-212

(7.44 ± 3.35 E+00)

SHORELINE SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 131

SECOND SEMI-ANNUAL, 1992

1.9 MI NNE - SHADY REST CLUB (SS-44)
(DATE COLLECTED: 07/13/92)

GAMMA SPECTROMETRY

MASS: 1216.1 GRAMS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	3.71 \pm 0.69 E-02	(NOT REQUIRED)
PB-212	7.89 \pm 1.22 E-02	(NOT REQUIRED)
PB-214	7.08 \pm 1.18 E-02	(NOT REQUIRED)
BI-214	8.33 \pm 1.26 E-02	(NOT REQUIRED)
RA-226	1.67 \pm 1.18 E-01	(NOT REQUIRED)

SHORELINE SEDIMENT SAMPLES
(PICOCURIES PER GRAM)

HBR - 132

SECOND SEMI-ANNUAL, 1992

0.9 MI NNW - ASH POND (SS-57)
(DATE COLLECTED: 07/13/92)

GAMMA SPECTROMETRY

MASS: 1472.4 GRAMS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BE-7	1.83 \pm 0.45 E-01	(NOT REQUIRED)
K-40	2.33 \pm 0.61 E-01	(NOT REQUIRED)
CS-137	4.79 \pm 0.59 E-02	(NOT REQUIRED)
TL-208	5.04 \pm 0.61 E-02	(NOT REQUIRED)
PB-212	1.54 \pm 0.09 E-01	(NOT REQUIRED)
PB-214	1.47 \pm 0.11 E-01	(NOT REQUIRED)
BI-212	1.19 \pm 0.37 E-01	(NOT REQUIRED)
BI-214	1.52 \pm 0.12 E-01	(NOT REQUIRED)
RA-226	3.75 \pm 0.97 E-01	(NOT REQUIRED)
AC-228	1.96 \pm 0.19 E-01	(NOT REQUIRED)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 133

JULY, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.38 \pm 0.62 \text{ E}+03$	(< $9.72\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
BI-214	$4.20 \pm 2.61 \text{ E}+00$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 134

JULY, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.72E+02)

GAMMA SPECTROMETRY

VOLUME: 1 LITERS

ISOTOPE

CONTROL ACTIVITY

ALL GAMMA EMITTERS LESS THAN LLD

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 135

JULY, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 9.72E+02	(< 9.72E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

SAMPLE ACTIVITY

CONTROL ACTIVITY

RA-226

6.61 ± 3.21 E+01

(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 136

AUGUST, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.03E+03	(< 1.03E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	(3.83 \pm 1.94 E+00)
BI-214	LESS THAN LLD	(3.87 \pm 2.57 E+00)
RA-226	LESS THAN LLD	(3.27 \pm 2.41 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 137

AUGUST, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 1.03E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

PB-212

(3.83 ± 1.94 E+00)

BI-214

(3.87 ± 2.57 E+00)

RA-226

(3.27 ± 2.41 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 138

AUGUST, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.03E+03	(< 1.03E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	(3.83 \pm 1.94 E+00)
BI-214	LESS THAN LLD	(3.87 \pm 2.57 E+00)
RA-226	3.29 \pm 2.47 E+01	(3.27 \pm 2.41 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 139

SEPTEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	< 1.01E+03	(< 1.01E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	LESS THAN LLD	(4.52 ± 3.24 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 140

SEPTEMBER, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 1.01E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(4.52 ± 3.24 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 141

OCTOBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.89 \pm 0.66 \text{ E}+03$	$(< 9.85\text{E}+02)$

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	$(2.95 \pm 2.09 \text{ E}+00)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 142

OCTOBER, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.85E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

PB-212

(2.95 ± 2.09 E+00)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 143

OCTOBER, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.56 \pm 0.63 \text{ E}+03$	(< $9.85\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	$(2.95 \pm 2.09 \text{ E}+00)$
RA-226	$3.09 \pm 2.46 \text{ E}+01$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 144

NOVEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$2.27 \pm 0.65 \text{ E}+03$	(< $9.95\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TL-208	$1.88 \pm 1.14 \text{ E}+00$	(LESS THAN LLD)
PB-212	LESS THAN LLD	$(3.74 \pm 2.24 \text{ E}+00)$
BI-214	LESS THAN LLD	$(4.11 \pm 2.26 \text{ E}+00)$
RA-226	$2.48 \pm 2.03 \text{ E}+01$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 145

NOVEMBER, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 9.95E+02)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

PB-212

(3.74 ± 2.24 E+00)

BI-214

(4.11 ± 2.26 E+00)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 146

NOVEMBER, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.57 \pm 0.64 \text{ E}+03$	(< $9.95\text{E}+02$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
PB-212	LESS THAN LLD	$(3.74 \pm 2.24 \text{ E}+00)$
BI-214	LESS THAN LLD	$(4.11 \pm 2.26 \text{ E}+00)$

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 147

DECEMBER, 1992

0.6 MI ESE-SC23 AT BLACK CR AND ART WELL (SW-40)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.53 \pm 0.65 \text{ E}+03$	(< $1.01\text{E}+03$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	LESS THAN LLD	$(3.10 \pm 2.19 \text{ E}+01)$
BI-214	$3.09 \pm 2.08 \text{ E}+00$	(LESS THAN LLD)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 148

DECEMBER, 1992

7.2 MI NNW - BLACK CREEK - CONTROL (SW-41)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	(< 1.01E+03)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

ISOTOPE

CONTROL ACTIVITY

K-40

(3.10 ± 2.19 E+01)

SURFACE WATER SAMPLES
(PICOCURIES PER LITER)

HBR - 149

DECEMBER, 1992

0.9 MI NNW - ASH POND (SW-57)
(COMPOSITE SAMPLE)

RADIOCHEMISTRY

<u>ANALYSIS</u>	<u>LITERS</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
TRITIUM	0.005	$1.73 \pm 0.65 \text{ E}+03$	(< $1.01\text{E}+03$)

GAMMA SPECTROMETRY

VOLUME:

1 LITERS

<u>ISOTOPE</u>	<u>SAMPLE ACTIVITY</u>	<u>CONTROL ACTIVITY</u>
K-40	LESS THAN LLD	$(3.10 \pm 2.19 \text{ E}+01)$
PB-212	$2.19 \pm 1.77 \text{ E}+00$	(LESS THAN LLD)
BI-214	$5.15 \pm 2.61 \text{ E}+00$	(LESS THAN LLD)

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 150

THIRD QUARTER, 1992

<u>STATION</u>		<u>MILLIROENTGEN PER WEEK</u>
CONTROL		(1.20 \pm 0.30 E+00)
1	26 MI ESE - FLORENCE - CONTROL	1.20 \pm 0.30 E+00
2	0.2 MI S - INFORMATION CENTER	1.00 \pm 0.40 E+00
3	0.7 MI N - MICROWAVE TOWER	1.40 \pm 0.30 E+00
4	0.4 MI ESE - SPILLWAY	9.00 \pm 3.00 E-01
5	0.9 MI ENE - JOHNSON'S LANDING	1.20 \pm 0.30 E+00
6	0.3 MI SW - INFORMATION CENTER	1.10 \pm 0.50 E+00
7	6.3 MI ESE - HARTSVILLE CP&L SUBSTATION	1.10 \pm 0.40 E+00
8	0.8 MI SSE - POWER POLES FROM HBR	9.00 \pm 3.00 E-01
9	1.0 MI S - POWER POLE NEAR HWY 151	1.60 \pm 0.40 E+00
10	1.0 MI WSW - CHURCH OF GOD CEMETERY	1.20 \pm 0.40 E+00
11	1.0 MI SW - POWER POLE AT OLD CAMDEN RD	8.00 \pm 3.00 E-01
12	1.2 MI SSW-PINE TREE AT 2ND INT DIRT RD	1.10 \pm 0.40 E+00
13	1.0 MI W-PINE TREE WHERE DIRT RD SPLITS	8.00 \pm 3.00 E-01
14	0.9 MI WNW - HWY 151 AT PINE RIDGE CH	9.00 \pm 3.00 E-01
15	1.0 MI NW -DIRT RD NEAR ASH POND	1.00 \pm 0.30 E+00
16	1.0 MI NNW - DARLINGTON IC TURBINE PLANT	1.10 \pm 0.30 E+00
17	1.1 MI N - DIS CANAL RD AT UNIT 1 WEIR	1.00 \pm 0.40 E+00
18	0.7 MI SE - TRAIN TRESTLE OVER BLACK CR	8.00 \pm 3.00 E-01
19	1.0 MI E - RD S-16-23	1.00 \pm 0.30 E+00
20	1.3 MI ENE - RD S-16-39 NORTH	1.30 \pm 0.30 E+00
21	ATKINSON'S BOAT LANDING	1.10 \pm 0.30 E+00

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 151

THIRD QUARTER, 1992

	<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
	CONTROL	(1.20 \pm 0.30 E+00)
22	1.9 MI NNE - SHADY REST NEAR DOCK	1.30 \pm 0.30 E+00
23	1.2 MI ESE - INT RD 41E-5 AND S-16-39	1.00 \pm 0.30 E+00
24	5.0 MI NW - S-13-711 PAST PEACH FARM	1.20 \pm 0.30 E+00
25	4.6 MI NNW - RD S-13-346 OFF 151 NORTH	9.00 \pm 3.00 E-01
26	5.0 MI N - RD S-13-346	1.40 \pm 0.30 E+00
28	4.8 MI NE - NEAR DUMPSTER RD S-13-39	1.20 \pm 0.30 E+00
29	RD S-16-20 SOUTH OF LOOKOUT TOWER	1.20 \pm 0.30 E+00
30	4.6 MI E - RD S-16-20 JOHNSON FENCE CO	1.00 \pm 0.30 E+00
31	4.6 MI ESE - LAKESHORE DRIVE	1.40 \pm 0.40 E+00
32	4.5 MI SE - END OF KALBER DRIVE	1.10 \pm 0.30 E+00
33	4.6 MI SSE-RD S16-493 NEAR SEGAR'S ENTR	1.20 \pm 0.30 E+00
34	4.6 MI S - RD S-16-772	8.00 \pm 3.00 E-01
35	4.4 MI SSW - INT RD S-31-51 & S-16-12	1.90 \pm 0.40 E+00
37	5.0 MI WSW - TRANS TOWER NEAR CLAY RD	1.70 \pm 0.40 E+00
38	4.9 MI W - RD S-16-231 AT UNION CHURCH	1.20 \pm 0.40 E+00
39	5.0 MI WNW - POWER POLE IN FIELD	1.10 \pm 0.30 E+00
55	0.3 MI SSE - SITE BOUNDARY	1.00 \pm 0.30 E+00
56	300 FT N OF ISFSI	1.10 \pm 0.60 E+00

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 152

FOURTH QUARTER, 1992

	<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
	CONTROL	(9.00 \pm 1.00 E-01)
1	26 MI ESE - FLORENCE - CONTROL	9.00 \pm 1.00 E-01
2	0.2 MI S - INFORMATION CENTER	1.00 \pm 0.10 E+00
3	0.7 MI N - MICROWAVE TOWER	1.40 \pm 0.20 E+00
4	0.4 MI ESE - SPILLWAY	9.00 \pm 1.00 E-01
5	0.9 MI ENE - JOHNSON'S LANDING	9.00 \pm 1.00 E-01
6	0.3 MI SW - INFORMATION CENTER	9.00 \pm 2.00 E-01
7	6.3 MI ESE - HARTSVILLE CP&L SUBSTATION	9.00 \pm 1.00 E-01
8	0.8 MI SSE - POWER POLES FROM HBR	8.00 \pm 1.00 E-01
9	1.0 MI S - POWER POLE NEAR HWY 151	1.50 \pm 0.20 E+00
10	1.0 MI WSW - CHURCH OF GOD CEMETERY	1.00 \pm 0.20 E+00
11	1.0 MI SW - POWER POLE AT OLD CAMDEN RD	8.00 \pm 1.00 E-01
12	1.2 MI SSW-PINE TREE AT 2ND INT DIRT RD	1.10 \pm 0.10 E+00
13	1.0 MI W-PINE TREE WHERE DIRT RD SPLITS	8.00 \pm 1.00 E-01
14	0.9 MI WNW - HWY 151 AT PINE RIDGE CH	9.00 \pm 1.00 E-01
15	1.0 MI NW -DIRT RD NEAR ASH POND	9.00 \pm 1.00 E-01
16	1.0 MI NNW - DARLINGTON IC TURBINE PLANT	1.00 \pm 0.10 E+00
17	1.1 MI N - DIS CANAL RD AT UNIT 1 WEIR	9.00 \pm 2.00 E-01
18	0.7 MI SE - TRAIN TRESTLE OVER BLACK CR	9.00 \pm 1.00 E-01
19	1.0 MI E - RD S-16-23	1.00 \pm 0.10 E+00
20	1.3 MI ENE - RD S-16-39 NORTH	1.00 \pm 0.10 E+00
21	ATKINSON'S BOAT LANDING	1.10 \pm 0.10 E+00

ENVIRONMENTAL TLD
(MILLIROENTGEN PER WEEK)

HBR - 153

FOURTH QUARTER, 1992

<u>STATION</u>	<u>MILLIROENTGEN PER WEEK</u>
CONTROL	(9.00 \pm 1.00 E-01)
22 1.9 MI NNE - SHADY REST NEAR DOCK	1.00 \pm 0.10 E+00
23 1.2 MI ESE - INT RD 41E-5 AND S-16-39	9.00 \pm 1.00 E-01
24 5.0 MI NW - S-13-711 PAST PEACH FARM	1.10 \pm 0.10 E+00
25 4.6 MI NNW - RD S-13-346 OFF 151 NORTH	1.00 \pm 0.10 E+00
26 5.0 MI N - RD S-13-346	1.20 \pm 0.20 E+00
28 4.8 MI NE - NEAR DUMPSTER RD S-13-39	1.10 \pm 0.10 E+00
29 RD S-16-20 SOUTH OF LOOKOUT TOWER	1.20 \pm 0.10 E+00
30 4.6 MI E - RD S-16-20 JOHNSON FENCE CO	1.10 \pm 0.20 E+00
31 4.6 MI ESE - LAKESHORE DRIVE	1.00 \pm 0.10 E+00
32 4.5 MI SE - END OF KALBER DRIVE	1.00 \pm 0.10 E+00
33 4.6 MI SSE-RD S16-493 NEAR SEGAR'S ENTR	1.20 \pm 0.10 E+00
34 4.6 MI S - RD S-16-772	8.00 \pm 1.00 E-01
35 4.4 MI SSW - INT RD S-31-51 & S-16-12	1.50 \pm 0.10 E+00
36 4.7 MI SW - PAVED RD OFF RD S-16-85	1.40 \pm 0.20 E+00
37 5.0 MI WSW - TRANS TOWER NEAR CLAY RD	1.40 \pm 0.10 E+00
38 4.9 MI W - RD S-16-231 AT UNION CHURCH	1.00 \pm 0.10 E+00
39 5.0 MI WNW - POWER POLE IN FIELD	1.10 \pm 0.10 E+00
55 0.3 MI SSE - SITE BOUNDARY	1.00 \pm 0.10 E+00
56 300 FT N OF ISFSI	1.00 \pm 0.10 E+00