Dominion

Fax Transmittal

Date: 4/19/05 Pages (including cover page): 18

To: RON NIMITZ

Company: USNRC

Department:

Phone: 610-337-5267

Fax: FAX 610-337-5320

From: ERIC LAINE

Company: DOMINION - MILLSTONE STATION
(Ensure correct legal or "doing business as" company name is used.)

Department: RP / CHEM

Phone: 860-444-5343

Fax: 860-444-4241

This fax is intended for the recipient or entity above. It may contain information that is privileged, confidential or work-product domain. If the reader of this message is not the intended recipient, or the employee responsible for delivering this communication to the intended recipient, you are hereby notified that any disclosure, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone so we can arrange for its return. Thank you.

Comments:

AIR SAMPLE DATA

K

Form No. 721372A (October 2003)
© 2003 Dominion Resources Services, Inc.

9/1/99 Approval Date

11/14/99 Effective Date

Unit # 3 Year 2005

Air Activity Log

Collection Data						DAC Fractions[2]						
Date	Time On / Time Off	Location (If Lapel Air Sampler Worn: Name & EID)	RWP/Task#	Type[1]	β-γ Particulate Activity Concentration pCi/cc	β-γ Particulate	Alpha	Iodine	Noble Gas	Tritium	Total	Control Number
4/6	1946 / 1952	ROUTINE. CHEM. LAB.	1/1	GA	1.1E-10	0.0	NA	0.0	NA	NA	0.0	1175
4/8	0209 / 0218	52' SFP ROUTINE	1/1	GA	1.17E-10	0.0	NA	0.0	0.0	NA	0.0	1176
4/13	0353 / 0404	CHEM LAB ROUTINE	1/1	GA	4.54E-11	0.0	NT	0.0	NT	NT	0.0	1177
4/13	1858 / 1909	CHEMISTRY SAMPLE SINK AUX 43' - ROUTINE.	1/1	G/A	5.50E-11	0.0	NT	0.0	0.0	NT	0.0	1178
4/15	1050 / 1106	52' SFP Routine	1/1	GA	4.44E-11	0.0	NT	0.0	0.0	NT	0.0	1179
4/17	0940 / 1017	24' AUX Rupture 3CHS FUGGI	1/1	GA	3.34E-10	0.0	NA	0.0	0.0	NT	0.0	1180
4/17	1056 / 1117	2" CHG Pump Cube	32/2	GA	2.18E-10	0.0	NA	0.0	0.0	NT	0.0	1181
4/17	1655 / 1708	3 CHS Flt B	32/2	GA	8.12E-10	0.0	NA	0.0	0.0	NT	0.0	1183
4/17	1733 / 1753	AUX 24' G/A	32/2	GA	1.62E-10	0.0	NA	0.0	NT	NT	0.0	1184
4/17	2129 / 2181	Aux 24' G/A Decon	2/1	GA	1.84(-10)	0.0	NA	0.0	NT	NT	0.0	1185
4/17	2119 / 2126	Aux 4' GA	2/1	GA	3.76(-10)	0.0	NA	0.0	NT	NT	0.0	1186

1 – Type of Air Sample is one of the following
GA = General Area
BZ = Breathing Zone
WS = Work Site

2 – Enter DAC Fraction data from RPM Form 2.10.2–1, RPM Form 2.10.2–3 or gamma spectrometer printouts, as appropriate.

RPM Form 2.10.2–2
Rev. 3
Page 1 of 1

9/1/99
Approval Date

11/14/99
Effective Date

Unit # 3 Year 2005

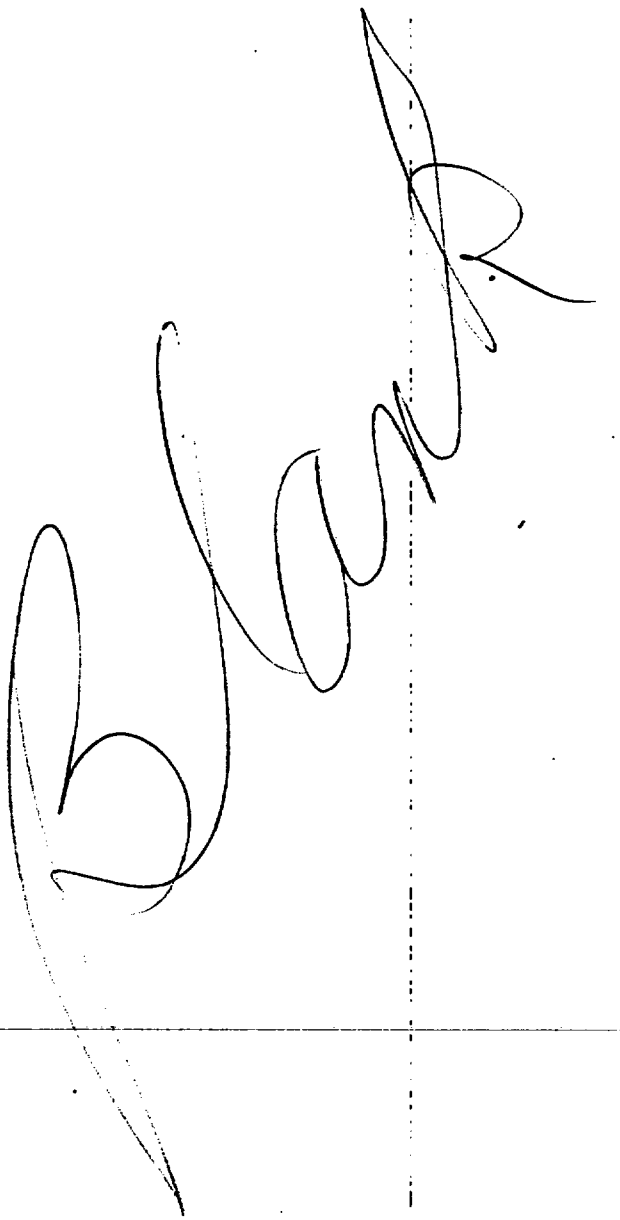
Air Activity Log

Collection Data						DAC Fractions[2]						
Date	Time On / Time Off	Location (If Lapel Air Sampler Worker Name & EID)	RWP/Task#	Type[1]	β-γ Particulate Activity Concentration μCi/cc	β-γ Particulate	Alpha	Iodine	Noble Gas	Tritium	Total	Control Number
4/17	2124 / 2135	AUX 43' CHANGE 3CHSFLT 3A	20/1	WS	2.39E-10	0.0 ~~NA~~	NA	0.0	NT	NT	0.0	1187
4/18	0004 / 0042	AUX 24' OUTSIDE CH. CUBES - DECON	2/1	WS	1.16E-10	0.0	NT	0.0	NT	NT	0.0	1189
4/18	0756 / 0832	CMS 22:	1/1	GA	9.3E-9 Gel: 2.91E-9	0.0	NA	0.0	0.0	NT	0.0	1190
4/18	1254 / 1412	Cfmt 24'	P90/1	GA	8.13E-9 5.72E-9	0.0	NA	0.0	0.0	NT	0.0	1191
4/17	1456 / 1509	During Charlie CMS 22 Aux 66 Sample	32/2	GA	7.01E-10	0.0	NA	0.0	0.0	NT	0.0	1182
4/18	1337 / 1416	DECON C CHG PUMP	102/2	WS	1.53E-10	0.00	N/A	0.0	NT	NT	0.00	1192
4/18	1416 / 1430	DECON SUPPORT "C" O/S CHG Pp CUBICLE	102/1	WS	7.89E-11	0.00	N/A	0.0	NT	NT	0.0	1193
4-18	2230 / —	CHEMISTRY DEGASING PZR W/O FAN 5 - PRIM SAMP SINK	1/1	WS	NA	NA	NA	NA	0.0	NA	0.0	—
4-18	2235 / —	CHEMISTRY DEGASING PZR W/O FAN 5, TAKEN @ AUX 66' BELOW FAN 5	1/1	WS	NA	NA	NA	NA	0.0	NA	0.0	—
~~4/18~~ 4-19	2259 / 2320	C CHARGING CUBE CHS V661 REPACK CHS MV 8311B	103/2	WS	7.4E-11	0.0	NT	0.0	NT	NT	0.0	1194
4-19	0312 / 0319	PRIMARY SAMPLE SINK HVR 15 OOS	1/1	GA	4.91E-10	0.0	NA	0.0	NT	NT	0.0	1196

BACK Kit (annotation beside control number 1182)

1 — Type of Air Sample is one of the following
GA = General Area
BZ = Breathing Zone
WS = Work Site

2 — Enter DAC Fraction data from RPM Form 2.10.2–1, RPM Form 2.10.2–3 or gamma spectrometer printouts, as appropriate.



17-APR-2005 10:32
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1180

1) COLLECTION DATA

Location..... 24 aux bldg
Reason for Sample Collection.. SPECIAL RWP Number..... 1
Air Sample Type..... GA Task #..... 1
Date/Time On 17-APR-2005 09:40
Date/Time Off 17-APR-2005 10:17

Flow Rate (cfm)..... 2.0
Collection Time (min).. 37.0 Job: response to Charlie 1
Volume (liters)..... 2095.7 Air Sampler Operator..... JG

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned.. N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... 1218 EID #..... N/A
Cal Due Date..... 8-05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 10:28
Gross Count..... 331
Gross Count Rate (cpm)..... 331 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 313 Count Time (min)..... 1
Inverse Volume (1/vol)..... 4.8E-04 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... jg

5) BETA-GAMMA ACTIVITY CONCENTRATION DAC Fraction Data

Activity Conc (uCi/cc).. 3.34E-10 B-G Particulate: 0.00
Alpha.....: _____
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..: _____
MDC (uCi/cc)..... 1.86E-11 Tritium....: _____
TOTAL DAC FRACTION...: _____

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) - Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision _____

```
**********************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 10:39:14.27 *
**********************************************************************
*                                              >>> DET11   2005-95810 <<< *
* Sample date/time.......: 17-APR-2005 10:00                           *
* Sample description.....: AUX BLDG GAS 1180                          *
* Sample quantity........: 1.26000E+03 cc          Technician:         *
* Sample geometry........: 1LGM-00                                     *
* Operator...............: DW                      Specialist:         *
*--------------------------------------+-------------------------------*
* Acquire date.....: 17-APR-2005 10:29:01 | Dead time (%)....: 0.0%     *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000   *
* Elapsed real time.....: 0 00:10:00      | Gaussian fit.....: 10.00000 *
* Elapsed live time.....: 0 00:10:00      | Nbr iterations...: 10       *
*--------------------------------------+-------------------------------*
* Calib date.....: 25-APR-2002 09:56:10   | NID library.....: H_GAS     *
* KeV/channel.....: 4.99872E-01           | Half life ratio..: 8.00000  *
* Offset from 0 energy...: -3.93974E-01   | Abundance limit..: 80.00000 *
* Quadratic coefficient..: 1.17127E-07    | Tolerance (kev)..: 1.00000  *
**********************************************************************

Post-NID Peak Search Report
***** No peaks found *****

Derived Air Concentration Report


   Grand
   Totals:    0.000E+00                          0.000E+00
```

17-APR-2005 12:05
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1181

1) COLLECTION DATA

Location..... "c" Chg pump Cube24
Reason for Sample Collection.. SPECIAL RWP Number..... 1
Air Sample Type..... GA Task #..... 1
Date/Time On 17-APR-2005 10:56
Date/Time Off 17-APR-2005 11:17

Flow Rate (cfm)..... 3.0
Collection Time (min).. 21.0 Job.: response to Charlie 1
Volume (liters)..... 1784.2 Air Sampler Operator..... cm

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned... N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... I285 EID #..... N/A
Cal Due Date..... 08/05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 11:58
Gross Count..... 192
Gross Count Rate (cpm)..... 192 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 174 Count Time (min)..... 1
Inverse Volume (1/vol)..... 5.6E-04 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... jg

5) BETA-GAMMA ACTIVITY CONCENTRATION ========= DAC Fraction Data ==========

Activity Conc (uCi/cc).. 2.18E-10 B-G Particulate: 0.00
Alpha.....: NT
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..: 0.00
MDC (uCi/cc)..... 2.18E-11 Tritium....: NT
TOTAL DAC FRACTION...: 0.00

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) - Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision _____

```
**********************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 12:04:17.17 *
**********************************************************************
*                                          >>> DET12   2005-95813 <<< *
* Sample date/time.....: 17-APR-2005 11:54                            *
* Sample description...: 11:00  1181                                  *
* Sample quantity......: 1.26000E+03 cc        Technician:            *
* Sample geometry......: 1LGM-00                                      *
* Operator.............: C MARLOW             Specialist:            *
*---------------------------------------+------------------------------*
* Acquire date.....: 17-APR-2005 11:54:00 | Dead time (%)....: 0.0%     *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000   *
* Elapsed real time....: 0 00:10:00       | Gaussian fit....: 10.00000  *
* Elapsed live time....: 0 00:10:00       | Nbr iterations..: 10        *
*---------------------------------------+------------------------------*
* Calib date.....: 4-OCT-2002 14:11:07.   | NID library.....: H_GAS     *
* KeV/channel.....: 5.00566E-01           | Half life ratio..: 0.00000  *
* Offset from 0 energy...: -3.46973E-01   | Abundance limit..: 80.00000 *
* Quadratic coefficient..: 5.77022E-08    | Tolerance (kev)..: 1.00000  *
**********************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	91.78	22	0	0.60	184.05	179	9	21.3		
0	511.67	24	3	0.70	1022.75	1017	12	24.7		ANN-RD

Derived Air Concentration Report

Nuclide Type : other

Nuclide	Activity (uCi/cc)	1-Sigma % Error	DAC (uCi/cc)		Fractional DAC
ANN-RD	3.756E-08	24.7	- 0 -	(-)	- 0 -
Totals:	3.756E-08				0.000E+00
Grand Totals:	3.756E-08				0.000E+00

```
**********************************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 12:41:24.12 *
**********************************************************************************
*                                                    >>> DET13   2005-95816 <<< *
* Sample date/time.......: 17-APR-2005 11:17                                     *
* Sample description.....: C Chg pump Cube24                                     *
* Sample quantity........: 1.78416E+06 ml          Technician:                   *
* Sample geometry........: CP100-00                                              *
* Operator...............: jg                      Specialist:                   *
*------------------------------------------+-------------------------------------*
* Acquire date.....: 17-APR-2005 12:31:11  | Dead time (%)....: 0.0%             *
* Preset live time.....: 0 00:10:00        | Sensitivity......: 4.50000          *
* Elapsed real time.....: 0 00:10:00       | Gaussian fit.....: 10.00000         *
* Elapsed live time.....: 0 00:10:00       | Nbr iterations...: 10               *
*------------------------------------------+-------------------------------------*
* Calib date.....: 31-OCT-2002 09:26:17    | NID library.....: H_IOD             *
* KeV/channel.....: 4.98451E-01            | Half life ratio..: 8.00000          *
* Offset from 0 energy...: -2.95409E-01    | Abundance limit..: 80.00000         *
* Quadratic coefficient..: -9.61416E-08    | Tolerance (kev)..: 1.00000          *
**********************************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	92.77	12	6	0.93	186.72	183	8	44.3		
0	118.16	9	0	1.03	237.67	235	6	33.3		
0	186.23	14	4	1.37	374.25	369	9	39.1		

Derived Air Concentration Report

Grand Totals:	0.000E+00	0.000E+00

```
**********************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 13:51:40.74 *
**********************************************************************
*                                              >>> DET12   2005-95821 <<< *
* Sample date/time.......: 17-APR-2005 10:17                           *
* Sample description.....: 24 aux bldg                                *
* Sample quantity........: 2.09568E+06 ml      Technician:             *
* Sample geometry........: CP100-00                                    *
* Operator...............: jg                  Specialist:             *
*----------------------------------------+-----------------------------*
* Acquire date.....: 17-APR-2005 13:41:27 | Dead time (%)....: 0.0%      *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000    *
* Elapsed real time.....: 0 00:10:00      | Gaussian fit.....: 10.00000  *
* Elapsed live time.....: 0 00:10:00      | Nbr iterations...: 10        *
*----------------------------------------+-----------------------------*
* Calib date.....: 3-OCT-2002 08:43:24.   | NID library.....: H_IOD      *
* KeV/channel.....: 5.00566E-01           | Half life ratio..: 8.00000   *
* Offset from 0 energy...: -3.46973E-01   | Abundance limit..: 80.00000  *
* Quadratic coefficient..: 5.77022E-08    | Tolerance (kev)..: 1.00000   *
**********************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	93.18	13	12	1.04	186.83	182	11	56.2		
0	510.78	18	3	1.47	1020.98	1015	12	30.4		ANN-RD

Derived Air Concentration Report

Nuclide Type : other

Nuclide	Activity (uCi/ml)	1-Sigma % Error	DAC (uCi/ml)	Fractional DAC
ANN-RD	6.374E-11	30.4	- 0 -	- 0 -
Totals:	6.374E-11			0.000E+00
Grand Totals:	6.374E-11			0.000E+00

```
**********************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 12:39:18.27 *
**********************************************************************
*                                              >>> DET12   2005-95815 <<< *
* Sample date/time.....: 17-APR-2005 12:29                              *
* Sample description.....: AUX 4-6 GENERAL AREA 11:35                   *
* Sample quantity.....: 1.26000E+03 cc          Technician:             *
* Sample geometry.....: 1LGM-00                                         *
* Operator.....: C MARLOW /MARSHALL             Specialist:             *
*-----------------------------------------------------------------------*
* Acquire date.....: 17-APR-2005 12:29:01 | Dead time (%)....: 0.0%      *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000    *
* Elapsed real time.....: 0 00:10:00      | Gaussian fit.....: 10.00000  *
* Elapsed live time.....: 0 00:10:00      | Nbr iterations...: 10        *
*-----------------------------------------------------------------------*
* Calib date.....: 4-OCT-2002 14:11:07.   | NID library.....: H_GAS      *
* KeV/channel.....: 5.00566E-01           | Half life ratio..: 8.00000   *
* Offset from 0 energy...: -3.46973E-01   | Abundance limit..: 80.00000  *
* Quadratic coefficient..: 5.77022E-08    | Tolerance (kev)..: 1.00000   *
**********************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	658.63	52	11	1.56	1316.27	1310	12	19.2		
0	724.42	60	3	1.44	1447.66	1442	12	14.2		
0	743.55	49	0	1.56	1485.86	1480	12	14.3		
0	756.98	64	6	1.30	1512.68	1506	12	14.7		
0	766.01	127	10	1.54	1530.72	1525	10	10.1		
0	846.65	27	0	1.06	1691.74	1686	12	19.2		

Derived Air Concentration Report

Grand Totals:	0.000E+00	0.000E+00

```
**********************************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 13:53:00.03 *
**********************************************************************************
*                                                    >>> DET13   2005-95822 <<< *
* Sample date/time.......: 17-APR-2005 10:17                                     *
* Sample description.....: 24 aux bldg                                          *
* Sample quantity........: 1.26000E+03 cc          Technician:                   *
* Sample geometry........: 1LGM-00                                               *
* Operator...............: jg                      Specialist:                   *
*--------------------------------------+-------------------------------------*
* Acquire date.....: 17-APR-2005 13:42:46 | Dead time (%)....: 0.0%             *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000           *
* Elapsed real time.....: 0 00:10:00      | Gaussian fit.....: 10.00000         *
* Elapsed live time.....: 0 00:10:00      | Nbr iterations...: 10               *
*--------------------------------------+-------------------------------------*
* Calib date.....: 7-NOV-2002 09:23:27.   | NID library.....: H_GAS             *
* KeV/channel.....: 4.98451E-01           | Half life ratio..: 8.00000          *
* Offset from 0 energy...: -2.95409E-01   | Abundance limit..: 80.00000         *
* Quadratic coefficient..: -9.61416E-08   | Tolerance (kev)..: 1.00000          *
**********************************************************************************

Post-NID Peak Search Report
***** No peaks found *****

Derived Air Concentration Report


   Grand
   Totals:     0.000E+00                          0.000E+00
```

```
**********************************************************************
*  MILLSTONE NUCLEAR POWER STATION - HEALTH PHYSICS 17-APR-2005 12:41:24.12 *
**********************************************************************
*                                          >>> DET13   2005-95816 <<< *
* Sample date/time.....: 17-APR-2005 11:17                            *
* Sample description...: C Chg pump Cube24                            *
* Sample quantity......: 1.78416E+06 ml      Technician: _____        *
* Sample geometry......: CP100-00                                     *
* Operator.............: jg                 Specialist: _____        *
*---------------------------------+------------------------------------*
* Acquire date.....: 17-APR-2005 12:31:11 | Dead time (%)....: 0.0%     *
* Preset live time.....: 0 00:10:00       | Sensitivity.....: 4.50000   *
* Elapsed real time....: 0 00:10:00       | Gaussian fit....: 10.00000  *
* Elapsed live time....: 0 00:10:00       | Nbr iterations..: 10        *
*---------------------------------+------------------------------------*
* Calib date.....: 31-OCT-2002 09:26:17   | NID library.....: H_IOD     *
* KeV/channel....: 4.98451E-01            | Half life ratio..: 8.00000  *
* Offset from 0 energy...: -2.95409E-01   | Abundance limit..: 80.00000 *
* Quadratic coefficient..: -9.61416E-08   | Tolerance (kev)..: 1.00000  *
**********************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	92.77	12	6	0.93	186.72	183	8	44.3		
0	118.16	9	0	1.03	237.67	235	6	33.3		
0	186.23	14	4	1.37	374.25	369	9	39.1		

Derived Air Concentration Report

Grand Totals:	0.000E+00	0.000E+00

COPY

17-APR-2005 17:24
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1183

1) COLLECTION DATA

Location..... 3chsflta cubicle
Reason for Sample Collection.. SPECIAL RWP Number..... 32
Air Sample Type..... GA Task #..... 2
Date/Time On 17-APR-2005 16:55
Date/Time Off 17-APR-2005 17:08

Flow Rate (cfm)..... 3.0
Collection Time (min).. 13.0 Job.. change filter
Volume (liters)..... 1104.5 Air Sampler Operator..... jg

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned.. N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... 1285 EID #..... N/A
Cal Due Date..... 08/05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 17:18
Gross Count..... 419
Gross Count Rate (cpm)..... 419 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 401 Count Time (min)..... 1
Inverse Volume (1/vol)..... 9.1E-04 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... jg

5) BETA-GAMMA ACTIVITY CONCENTRATION ========= DAC Fraction Data ==========

Activity Conc (uCi/cc).. 8.12E-10 B-G Particulate: 0.00
Alpha.....:
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..:
MDC (uCi/cc)..... 3.52E-11 Tritium....:
TOTAL DAC FRACTION...:

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) = Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision_____

17-APR-2005 22:38
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1187

1) COLLECTION DATA

Location..... AUX 43'
Reason for Sample Collection.. SPECIAL RWP Number..... 20
Air Sample Type..... WS Task #..... 1
Date/Time On 17-APR-2005 21:24
Date/Time Off 17-APR-2005 21:35

Flow Rate (cfm)..... 3.0
Collection Time (min).. 11.0 Job.. CHANGE 3 CHS*FLT3A
Volume (liters)..... 934.6 Air Sampler Operator..... MB

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned.. N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... 2655 EID #..... N/A
Cal Due Date..... 9/05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 22:38
Gross Count..... 118
Gross Count Rate (cpm)..... 118 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 100 Count Time (min)..... 1
Inverse Volume (1/vol)..... 1.1E-03 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... MB

5) BETA-GAMMA ACTIVITY CONCENTRATION ========= DAC Fraction Data ==========

Activity Conc (uCi/cc).. 2.39E-10 B-G Particulate: 0.00
Alpha.....: N/A
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..:
MDC (uCi/cc)..... 4.16E-11 Tritium....:
TOTAL DAC FRACTION...:

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) - Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision_____

```
*****************************************************************************
*    MILLSTONE NUCLEAR POWER STATION - CHEMISTRY  17-APR-2005 17:55:32.54   *
*****************************************************************************
*                                                  >>> DET11   2005-95837 <<< *
* Sample date/time.......: 17-APR-2005 16:58                                 *
* Sample description.....: 3CHS-FH3A (HP)  RCP Seal                          *
* Sample quantity........: 1.00000E+03 ml  Inj filter   Technician: _______  *
* Sample geometry........: 1LLM-00                                           *
* Operator...............: JAM                change   Specialist: _______  *
*----------------------------------------------------------------------------*
* Acquire date.....: 17-APR-2005 17:45:18 | Dead time (%)....: 0.0%          *
* Preset live time.......: 0 00:10:00     | Sensitivity......: 4.50000       *
* Elapsed real time......: 0 00:10:00     | Gaussian fit.....: 10.00000      *
* Elapsed live time......: 0 00:10:00     | Nbr iterations...: 10            *
*----------------------------------------------------------------------------*
* Calib date......: 18-APR-2002 19:17:05  | NID library......: LIB3          *
* KeV/channel............: 4.99872E-01    | Half life ratio..: 8.00000       *
* Offset from 0 energy...: -3.93974E-01   | Abundance limit..: 80.00000      *
* Quadratic coefficient..: 1.17127E-07    | Tolerance (kev)..: 1.00000       *
*****************************************************************************
```

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	92.69	14	0	0.87	186.21	183	7	26.7		
0	249.94	19	2	0.94	500.73	497	8	26.5		XE-135

Summary of Nuclide Activity

Total number of lines in spectrum	2	
Number of unidentified lines	1	
Number of lines tentatively identified by NID	1	50.00%

Nuclide Type : fission gas

Nuclide	Hlife	Decay	Wtd Mean Uncorrected uCi/ml	Wtd Mean Decay Corr uCi/ml	Decay Corr 1-Sigma Error	1-Sigma %Error	Flags
XE-135	9.08H	1.07	4.769E-08	5.098E-08	1.352E-08	26.52	
			---	---			
	Total Activity :		4.769E-08	5.098E-08			

Grand Total Activity : 4.769E-08 5.098E-08

Flags: "K" = Keyline not found "M" = Manually accepted
"E" = Manually edited "A" = Nuclide specific abn. limit

17-APR-2005 22:11
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1185

1) COLLECTION DATA

Location..... 24' AUX
Reason for Sample Collection.. SPECIAL RWP Number..... 2
Air Sample Type..... GA Task #..... 1
Date/Time On 17-APR-2005 21:29
Date/Time Off 17-APR-2005 21:51

Flow Rate (cfm)..... 3.0
Collection Time (min).. 22.0 Job: DECON CHP SPILL
Volume (liters)..... 1869.1 Air Sampler Operator..... JWM

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned... N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... 1235 EID #..... N/A
Cal Due Date..... 8/05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 22:07
Gross Count..... 172
Gross Count Rate (cpm)..... 172 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 154 Count Time (min)..... 1
Inverse Volume (1/vol)..... 5.4E-04 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... JWM

5) BETA-GAMMA ACTIVITY CONCENTRATION ========= DAC Fraction Data ==========

Activity Conc (uCi/cc).. 1.84E-10 B-G Particulate: 0.00
Alpha.....: NA
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..: NT
MDC (uCi/cc)..... 2.08E-11 Tritium....: NT
TOTAL DAC FRACTION...: 0.0

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) - Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision _____

17-APR-2005 22:17
MILLSTONE NUCLEAR POWER STATION - UNIT 3
HEALTH PHYSICS BETA-GAMMA AIR SAMPLE REPORT - Control No. 1186

1) COLLECTION DATA

Location..... 4' AUX
Reason for Sample Collection.. SPECIAL RWP Number..... 2
Air Sample Type..... GA Task #..... 1
Date/Time On 17-APR-2005 21:19
Date/Time Off 17-APR-2005 21:26

Flow Rate (cfm)..... 3.0
Collection Time (min).. 7.0 Job.. DECON
Volume (liters)..... 594.7 Air Sampler Operator..... NH

2) RESPIRATOR DATA

Respirator Worn..... No
Respirator Type..... N/A
Protection Factor Assigned... N/A

3) AIR SAMPLER DATA

Model..... Radeco Name of Worker... N/A
Serial Number..... 5099 EID #..... N/A
Cal Due Date..... 7/05

4) GROSS BETA-GAMMA COUNTING DATA

Date/Time Of Count..... 17-APR-2005 22:13
Gross Count..... 118
Gross Count Rate (cpm)..... 118 Instrument Type..... BC-4
Bkg Count Rate (cpm)..... 18 Serial Number..... 876
Net Count Rate (cpm)..... 100 Count Time (min)..... 1
Inverse Volume (1/vol)..... 1.7E-03 Eff Factor (1/Eff)... 4.97
Conversion Factor..... 4.5E-10 BC-4 Operator..... JWM

5) BETA-GAMMA ACTIVITY CONCENTRATION ========= DAC Fraction Data ==========

Activity Conc (uCi/cc).. 3.76E-10 B-G Particulate: 0.00
Alpha.....: NA
Iodine.....: 0.00
MDCR (cpm)..... 1.74E+01 Noble Gas..: NT
MDC (uCi/cc)..... 6.54E-11 Tritium....: NT
TOTAL DAC FRACTION...: 0.0

*** Notify Supervision *** *** Notify Supervision ***
*** if MDC is > 1E-9 *** *** if TOTAL DAC FRACTION is >= 0.3 ***

*** Attach printout if isotopic is performed ***

6) IODINE ACTIVITY CONCENTRATION

Activity Conc <2E-9 (uCi/cc) - Frisker S/N 7381 - Cal Due Date 4/05

RPMF2.10.2-1/7/RJD/1of1 HP Supervision_____