

Routine  Urgent

call Joe + Janet Eng Joe Samickowski  
 UNITED STATES NUCLEAR REGULATORY COMMISSION (201) 544-4427

Non Routine  Date Needed \_\_\_\_\_

REGION I LABORATORY  
 SAMPLE RECORD SHEET

(Steven Horn) Serial No. 301167

Sample From: Fort Monmouth  
 Collected By: Thompson Date Sent \_\_\_\_\_  
 Organization: NMSS

Samples Received: \_\_\_\_\_  
 Analysis Completed: \_\_\_\_\_  
 Notified: \_\_\_\_\_ Date: \_\_\_\_\_

Analyzed By: MEL  
 Approved By: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                           |
| 1      |      |      |                    | 3H        | LSC        | 1 wipe      | 9/18/88    | 10 min     | 223         | 246   | -23       | 0.401 | -6 $\pm 5$                |
| 2      |      |      |                    |           |            |             |            |            | 207         |       | -39       |       | -10 $\pm 5$               |
| 3      |      |      |                    |           |            |             |            |            | 213         |       | -33       |       | -8 $\pm 5$                |
| 4      |      |      |                    |           |            |             |            |            | 229         |       | -17       |       | -4 $\pm 5$                |
| 5      |      |      |                    |           |            |             |            |            | 433         |       | 187       |       | 47 $\pm 6$                |
| 6      |      |      |                    |           |            |             |            |            | 239         |       | -17       |       | -2 $\pm 5$                |
| 7      |      |      |                    |           |            |             |            |            | 206         |       | -40       |       | -10 $\pm 5$               |
| 8      |      |      |                    |           |            |             |            |            | 189         |       | -57       |       | -14 $\pm 5$               |
| 9      |      |      |                    |           |            |             |            |            | 218         |       | -28       |       | -7 $\pm 5$                |
| 10     |      |      |                    |           |            |             |            |            | 206         |       | -40       |       | -10 $\pm 5$               |
| 11     |      |      |                    |           |            |             |            |            | 257         |       | 11        |       | 3 $\pm 5$                 |
| 12     |      |      |                    |           |            |             |            |            | 225         |       | -21       |       | -5 $\pm 5$                |
| 13     |      |      |                    |           |            |             |            |            | 215         |       | -31       |       | -8 $\pm 5$                |
| 14     |      |      |                    |           |            |             |            |            | 387         |       | 141       |       | 35 $\pm 6$                |
| 15     |      |      |                    |           |            |             |            |            | 238         |       | -8        |       | -2 $\pm 5$                |
| 16     |      |      |                    |           |            |             |            |            | 559         | ✓     | 313       | ✓     | 78 $\pm 7$                |

\*Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

Routine \_\_\_\_\_ Urgent \_\_\_\_\_

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION I LABORATORY

SAMPLE RECORD SHEET

Serial No. 301167

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

|   |   |  |
|---|---|--|
| Sample From: _____<br>Collected By: _____ Date Sent: _____<br>Organization: _____ | Samples Received: _____<br>Analysis Completed: _____<br>Notified: _____ Date: _____ | Analyzed By: _____<br>Approved By: _____ |
|---|---|--|

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                           |
| 18     |      |      |                    |           |            |             |            |            | 224         | 246   | -22       | 0.401 | -5 $\pm$ 5                |
| 19     |      |      |                    |           |            |             |            |            | 304         |       | 58        |       | 14 $\pm$ 6                |
| 20     |      |      |                    |           |            |             |            |            | 248         |       | 2         |       | 0.5 $\pm$ 5               |
| 21     |      |      |                    |           |            |             |            |            | 490         |       | 244       |       | 61 $\pm$ 7                |
| 22     |      |      |                    |           |            |             |            |            | 445         |       | 199       |       | 50 $\pm$ 6                |
| 23     |      |      |                    |           |            |             |            |            | 371         |       | 125       |       | 31 $\pm$ 6                |
| 24     |      |      |                    |           |            |             |            |            | 200         |       | -46       |       | -11 $\pm$ 5               |
| 25     |      |      |                    |           |            |             |            |            | 146         |       | -100      |       | -24 $\pm$ 5               |
| 26     |      |      |                    |           |            |             |            |            | 1190        |       | 944       |       | 235 $\pm$ 9               |
| 27     |      |      |                    |           |            |             |            |            | 157         |       | -89       |       | -22 $\pm$ 5               |
| 28     |      |      |                    |           |            |             |            |            | 227         |       | -19       |       | -5 $\pm$ 5                |
| 29     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | -2 $\pm$ 5                |
| 30     |      |      |                    |           |            |             |            |            | 237         |       | -11       |       | -3 $\pm$ 5                |
| 31     |      |      |                    |           |            |             |            |            | 177         |       | -69       |       | -17 $\pm$ 5               |
| 32     |      |      |                    |           |            |             |            |            | 222         |       | -24       |       | -6 $\pm$ 5                |
|        |      |      |                    |           |            |             |            |            | 162         | ↓     | -84       | ↓     | -21 $\pm$ 5               |

\*Random uncertainties reported are 1 standard deviation, 1 $\sigma$ . small negative and other results  $\leq 3\sigma$  are interpreted by NRC as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

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 REGION I LABORATORY  
**SAMPLE RECORD SHEET**

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Serial No. \_\_\_\_\_

|  |   |  |
|--|---|--|
| Sample From: _____<br>Collected By _____ Date Sent _____<br>Organization _____ | Samples Received: _____<br>Analysis Completed: _____<br>Notified: _____ Date: _____ | Analyzed By: _____<br>Approved By: _____ |
|--|---|--|

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff. | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |      |                           |
| 33     |      |      |                    |           |            |             |            |            | 233         | 246   | -13       | 0.40 | -3 $\pm$ 5                |
| 34     |      |      |                    |           |            |             |            |            | 334         |       | 88        |      | 22 $\pm$ 6                |
| 35     |      |      |                    |           |            |             |            |            | 197         |       | -49       |      | -12 $\pm$ 5               |
| 36     |      |      |                    |           |            |             |            |            | 242         |       | -4        |      | -1 $\pm$ 5                |
| 37     |      |      |                    |           |            |             |            |            | 204         |       | -42       |      | -10 $\pm$ 5               |
| 38     |      |      |                    |           |            |             |            |            | 338         |       | 92        |      | 23 $\pm$ 6                |
| 39     |      |      |                    |           |            |             |            |            | 350         |       | 104       |      | 26 $\pm$ 6                |
| 40     |      |      |                    |           |            |             |            |            | 228         |       | -18       |      | -5 $\pm$ 5                |
| 41     |      |      |                    |           |            |             |            |            | 219         |       | -27       |      | -7 $\pm$ 5                |
| 42     |      |      |                    |           |            |             |            |            | 213         |       | -33       |      | -8 $\pm$ 5                |
| 43     |      |      |                    |           |            |             |            |            | 228         |       | -18       |      | -5 $\pm$ 5                |
| 44     |      |      |                    |           |            |             |            |            | 231         |       | -15       |      | -4 $\pm$ 5                |
| 45     |      |      |                    |           |            |             |            |            | 227         |       | -19       |      | -5 $\pm$ 5                |
| 46     |      |      |                    |           |            |             |            |            | 211         |       | -35       |      | -9 $\pm$ 5                |
| 47     |      |      |                    |           |            |             |            |            | 201         |       | -45       |      | -11 $\pm$ 5               |
| 48     |      |      |                    |           |            |             |            |            | 200         | ✓     | -46       | ✓    | -11 $\pm$ 5               |

\*Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

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 REGION I LABORATORY  
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Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Serial No. \_\_\_\_\_

|  |   |  |
|--|---|--|
| Sample From: _____<br>Collected By _____ Date Sent _____<br>Organization _____ | Samples Received: _____<br>Analysis Completed: _____<br>Notified: _____ Date: _____ | Analyzed By: _____<br>Approved By: _____ |
|--|---|--|

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                           |
| 44     |      |      |                    |           |            |             |            |            | 214         | 246   | -32       | 0.401 | -8 $\pm 5$                |
| 50     |      |      |                    |           |            |             |            |            | 229         |       | -17       |       | -4 $\pm 5$                |
| 51     |      |      |                    |           |            |             |            |            | 371         |       | 125       |       | 31 $\pm 6$                |
| 52     |      |      |                    |           |            |             |            |            | 326         |       | 80        |       | 20 $\pm 6$                |
| 53     |      |      |                    |           |            |             |            |            | 241         |       | -5        |       | -1 $\pm 5$                |
| 54     |      |      |                    |           |            |             |            |            | 300         |       | 54        |       | 13 $\pm 6$                |
| 55     |      |      |                    |           |            |             |            |            | 228         |       | -18       |       | -4 $\pm 5$                |
| 56     |      |      |                    |           |            |             |            |            | 232         |       | -14       |       | -3 $\pm 5$                |
| 57     |      |      |                    |           |            |             |            |            | 196         |       | -50       |       | -12 $\pm 5$               |
| 58     |      |      |                    |           |            |             |            |            | 227         |       | -19       |       | -5 $\pm 5$                |
| 59     |      |      |                    |           |            |             |            |            | 354         |       | 108       |       | 27 $\pm 6$                |
| 60     |      |      |                    |           |            |             |            |            | 1766        |       | 1520      |       | 379 $\pm 11$              |
| 61     |      |      |                    |           |            |             |            |            | 877         |       | 631       |       | 157 $\pm 8$               |
| 62     |      |      |                    |           |            |             |            |            | 4479        |       | 4233      |       | 1056 $\pm 17$             |
| 63     |      |      |                    |           |            |             |            |            | 337         |       | 91        |       | 23 $\pm 6$                |
| 64     |      |      |                    |           |            |             |            |            | 11236       |       | 10990     |       | 2741 $\pm 27$             |

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REGION I LABORATORY

## SAMPLE RECORD SHEET

Serial No. \_\_\_\_\_

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Sample From: \_\_\_\_\_

Samples Received: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

Collected By \_\_\_\_\_ Date Sent \_\_\_\_\_

Analysis Completed: \_\_\_\_\_

Approved By: \_\_\_\_\_

Organization \_\_\_\_\_

Notified: \_\_\_\_\_ Date: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | Results $\pm 1\sigma$<br>dpm |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|------------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                              |
| 65     |      |      |                    |           |            |             |            |            | 395         | 246   | 149       | 0.401 | $37 \pm 6$                   |
| 66     |      |      |                    |           |            |             |            |            | 305         |       | 59        |       | $15 \pm 6$                   |
| 67     |      |      |                    |           |            |             |            |            | 243         |       | -3        |       | $-0.7 \pm 5$                 |
| 68     |      |      |                    |           |            |             |            |            | 208         |       | -38       |       | $-9 \pm 5$                   |
| 69     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | $-2 \pm 5$                   |
| 70     |      |      |                    |           |            |             |            |            | 223         |       | -23       |       | $-6 \pm 5$                   |
| 71     |      |      |                    |           |            |             |            |            | 483         |       | 237       |       | $59 \pm 7$                   |
| 72     |      |      |                    |           |            |             |            |            | 192         |       | -54       |       | $-13 \pm 5$                  |
| 73     |      |      |                    |           |            |             |            |            | 226         |       | -20       |       | $-5 \pm 5$                   |
| 74     |      |      |                    |           |            |             |            |            | 254         |       | 8         |       | $2 \pm 5$                    |
| 75     |      |      |                    |           |            |             |            |            | 1390        |       | 1144      | 1     | $285 \pm 10$                 |
| 76     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | $-2 \pm 5$                   |
| 77     |      |      |                    |           |            |             |            |            | 337         |       | 91        |       | $23 \pm 6$                   |
| 78     |      |      |                    |           |            |             |            |            | 223         |       | -23       |       | $-2 \pm 5$                   |
| 79     |      |      |                    |           |            |             |            |            | 217         |       | -29       |       | $-7 \pm 5$                   |
| 80     |      |      |                    |           |            |             |            |            | 211         | ↓     | -35       | ↓     | $-9 \pm 5$                   |

\* Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

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## UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION I LABORATORY

## SAMPLE RECORD SHEET

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Serial No. \_\_\_\_\_

|                                    |                             |                    |
|------------------------------------|-----------------------------|--------------------|
| Sample From: _____                 | Samples Received: _____     | Analyzed By: _____ |
| Collected By _____ Date Sent _____ | Analysis Completed: _____   | Approved By: _____ |
| Organization _____                 | Notified: _____ Date: _____ |                    |

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | Results $\pm 1\sigma$<br>d ppm |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|--------------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                                |
| 81     |      |      |                    |           |            |             |            |            | 228         | 246   | -18       | 0.401 | -5 $\pm$ 5                     |
| 82     |      |      |                    |           |            |             |            |            | 231         |       | -15       |       | -4 $\pm$ 5                     |
| 83     |      |      |                    |           |            |             |            |            | 189         |       | -57       |       | -14 $\pm$ 5                    |
| 84     |      |      |                    |           |            |             |            |            | 211         |       | -35       |       | -9 $\pm$ 5                     |
| 85     |      |      |                    |           |            |             |            |            | 215         |       | -31       |       | -8 $\pm$ 5                     |
| 86     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | -2 $\pm$ 5                     |
| 87     |      |      |                    |           |            |             |            |            | 224         |       | -22       |       | -5 $\pm$ 5                     |
| 88     |      |      |                    |           |            |             |            |            | 207         |       | -39       |       | -10 $\pm$ 5                    |
| 89     |      |      |                    |           |            |             |            |            | 190         |       | -56       |       | -14 $\pm$ 5                    |
| 90     |      |      |                    |           |            |             |            |            | 185         |       | -61       |       | -15 $\pm$ 5                    |
| 91     |      |      |                    |           |            |             |            |            | 168         |       | -78       |       | -20 $\pm$ 5                    |
| 92     |      |      |                    |           |            |             |            |            | 196         |       | -50       |       | -12 $\pm$ 5                    |
| 93     |      |      |                    |           |            |             |            |            | 204         |       | -42       |       | -10 $\pm$ 5                    |
| 94     |      |      |                    |           |            |             |            |            | 244         |       | -2        |       | -0.5 $\pm$ 5                   |
| 95     |      |      |                    |           |            |             |            |            | 215         |       | -31       |       | -8 $\pm$ 5                     |
| 96     |      |      |                    |           |            |             |            |            | 233         | ↓     | -13       | ↓     | -3 $\pm$ 5                     |

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(201) 544-6427  
 Serial No. 301167

on Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

(Steven Horn)

Sample From: Fort Monmouth  
 Collected By: Thompson Date Sent \_\_\_\_\_  
 Organization: NMSS

Samples Received: \_\_\_\_\_  
 Analysis Completed: \_\_\_\_\_  
 Notified: \_\_\_\_\_ Date: \_\_\_\_\_

Analyzed By: MEX  
 Approved By: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for      | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|----------------|------------|-------------|------------|------------|-------------|-------|-----------|-------|---------------------------|
| No.    | Date | Hour |                    |                |            |             |            |            |             |       |           |       |                           |
| 1      |      |      |                    | <sup>3</sup> H | LSC        | 1 wipe      | 9/18/88    | 10 min     | 223         | 246   | -23       | 0.401 | -6 $\pm 5$                |
| 2      |      |      |                    |                |            |             |            |            | 207         |       | -39       |       | -10 $\pm 5$               |
| 3      |      |      |                    |                |            |             |            |            | 213         |       | -33       |       | -8 $\pm 5$                |
| 4      |      |      |                    |                |            |             |            |            | 229         |       | -17       |       | -4 $\pm 5$                |
| 5      |      |      |                    |                |            |             |            |            | 433         |       | 187       |       | 47 $\pm 6$                |
| 6      |      |      |                    |                |            |             |            |            | 239         |       | -17       |       | -2 $\pm 5$                |
| 7      |      |      |                    |                |            |             |            |            | 206         |       | -40       |       | -10 $\pm 5$               |
| 8      |      |      |                    |                |            |             |            |            | 189         |       | -57       |       | -14 $\pm 5$               |
| 9      |      |      |                    |                |            |             |            |            | 218         |       | -28       |       | -7 $\pm 5$                |
| 10     |      |      |                    |                |            |             |            |            | 206         |       | -40       |       | -10 $\pm 5$               |
| 11     |      |      |                    |                |            |             |            |            | 257         |       | 11        |       | 3 $\pm 5$                 |
| 12     |      |      |                    |                |            |             |            |            | 225         |       | -21       |       | -5 $\pm 5$                |
| 13     |      |      |                    |                |            |             |            |            | 215         |       | -31       |       | -8 $\pm 5$                |
| 14     |      |      |                    |                |            |             |            |            | 387         |       | 141       |       | 35 $\pm 6$                |
| 15     |      |      |                    |                |            |             |            |            | 238         |       | -8        |       | -2 $\pm 5$                |
| 16     |      |      |                    |                |            |             |            |            | 559         | ✓     | 313       | ✓     | 78 $\pm 7$                |

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Serial No. 301167

Ion Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

|   |   |  |
|---|---|--|
| Sample From: _____<br>Collected By: _____ Date Sent: _____<br>Organization: _____ | Samples Received: _____<br>Analysis Completed: _____<br>Notified: _____ Date: _____ | Analyzed By: _____<br>Approved By: _____ |
|---|---|--|

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff. | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |      |                           |
| 17     |      |      |                    |           |            |             |            | 224        | 246         | -22   | 0.401     |      | -5 $\pm 5$                |
| 18     |      |      |                    |           |            |             |            | 304        |             | 58    |           |      | 14 $\pm 6$                |
| 19     |      |      |                    |           |            |             |            | 248        |             | 2     |           |      | 0.5 $\pm 5$               |
| 20     |      |      |                    |           |            |             |            | 490        |             | 244   |           |      | 61 $\pm 17$               |
| 21     |      |      |                    |           |            |             |            | 445        |             | 199   |           |      | 50 $\pm 6$                |
| 22     |      |      |                    |           |            |             |            | 371        |             | 125   |           |      | 31 $\pm 6$                |
| 23     |      |      |                    |           |            |             |            | 200        |             | -46   |           |      | -11 $\pm 5$               |
| 24     |      |      |                    |           |            |             |            | 146        |             | -100  |           |      | -24 $\pm 5$               |
| 25     |      |      |                    |           |            |             |            | 1190       |             | 944   |           |      | 235 $\pm 9$               |
| 26     |      |      |                    |           |            |             |            | 157        |             | -89   |           |      | -22 $\pm 5$               |
| 27     |      |      |                    |           |            |             |            | 227        |             | -19   |           |      | -5 $\pm 5$                |
| 28     |      |      |                    |           |            |             |            | 236        |             | -10   |           |      | -2 $\pm 5$                |
| 29     |      |      |                    |           |            |             |            | 237        |             | -11   |           |      | -3 $\pm 5$                |
| 30     |      |      |                    |           |            |             |            | 177        |             | -69   |           |      | -17 $\pm 5$               |
| 31     |      |      |                    |           |            |             |            | 222        |             | -24   |           |      | -6 $\pm 5$                |
| 32     |      |      |                    |           |            |             |            | 162        | ↓           | -84   | ↓         |      | -21 $\pm 5$               |

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Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Sample From: \_\_\_\_\_  
 Collected By \_\_\_\_\_ Date Sent \_\_\_\_\_  
 Organization \_\_\_\_\_

Samples Received: \_\_\_\_\_  
 Analysis Completed: \_\_\_\_\_  
 Notified: \_\_\_\_\_ Date: \_\_\_\_\_

Analyzed By: \_\_\_\_\_  
 Approved By: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff. | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |      |                           |
| 33     |      |      |                    |           |            |             |            |            | 233         | 246   | -13       | 0.40 | -3 $\pm$ 5                |
| 34     |      |      |                    |           |            |             |            |            | 334         |       | 88        |      | 22 $\pm$ 6                |
| 35     |      |      |                    |           |            |             |            |            | 197         |       | -49       |      | -12 $\pm$ 5               |
| 36     |      |      |                    |           |            |             |            |            | 242         |       | -4        |      | -1 $\pm$ 5                |
| 37     |      |      |                    |           |            |             |            |            | 204         |       | -42       |      | -10 $\pm$ 5               |
| 38     |      |      |                    |           |            |             |            |            | 338         |       | 92        |      | 23 $\pm$ 6                |
| 39     |      |      |                    |           |            |             |            |            | 350         |       | 104       |      | 26 $\pm$ 6                |
| 40     |      |      |                    |           |            |             |            |            | 228         |       | -18       |      | -5 $\pm$ 5                |
| 41     |      |      |                    |           |            |             |            |            | 219         |       | -27       |      | -7 $\pm$ 5                |
| 42     |      |      |                    |           |            |             |            |            | 213         |       | -33       |      | -8 $\pm$ 5                |
| 43     |      |      |                    |           |            |             |            |            | 228         |       | -18       |      | -5 $\pm$ 5                |
| 44     |      |      |                    |           |            |             |            |            | 231         |       | -15       |      | -4 $\pm$ 5                |
| 45     |      |      |                    |           |            |             |            |            | 227         |       | -19       |      | -5 $\pm$ 5                |
| 46     |      |      |                    |           |            |             |            |            | 211         |       | -35       |      | -9 $\pm$ 5                |
| 47     |      |      |                    |           |            |             |            |            | 201         |       | -45       |      | -11 $\pm$ 5               |
| 48     |      |      |                    |           |            |             |            |            | 200         | ✓     | -46       | ✓    | -11 $\pm$ 5               |

\*Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as

Routine \_\_\_\_\_

Urgent \_\_\_\_\_

## UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION I LABORATORY

## SAMPLE RECORD SHEET

Serial No. \_\_\_\_\_

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Sample From: \_\_\_\_\_

Collected By \_\_\_\_\_ Date Sent \_\_\_\_\_

Organization \_\_\_\_\_

Samples Received: \_\_\_\_\_

Analysis Completed: \_\_\_\_\_

Notified: \_\_\_\_\_ Date: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

Approved By: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | dpm Results $\pm 1\sigma$ |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|---------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                           |
| 49     |      |      |                    |           |            |             |            |            | 214         | 246   | -32       | 0.401 | -8 $\pm 5$                |
| 50     |      |      |                    |           |            |             |            |            | 229         |       | -17       |       | -4 $\pm 5$                |
| 51     |      |      |                    |           |            |             |            |            | 371         |       | 125       |       | 31 $\pm 6$                |
| 52     |      |      |                    |           |            |             |            |            | 326         |       | 80        |       | 20 $\pm 6$                |
| 53     |      |      |                    |           |            |             |            |            | 241         |       | -5        |       | -1 $\pm 5$                |
| 54     |      |      |                    |           |            |             |            |            | 300         |       | 54        |       | 13 $\pm 6$                |
| 55     |      |      |                    |           |            |             |            |            | 228         |       | -18       |       | -4 $\pm 5$                |
| 56     |      |      |                    |           |            |             |            |            | 232         |       | -14       |       | -3 $\pm 5$                |
| 57     |      |      |                    |           |            |             |            |            | 196         |       | -50       |       | -12 $\pm 5$               |
| 58     |      |      |                    |           |            |             |            |            | 227         |       | -19       |       | -5 $\pm 5$                |
| 59     |      |      |                    |           |            |             |            |            | 354         |       | 108       |       | 27 $\pm 6$                |
| 60     |      |      |                    |           |            |             |            |            | 1766        |       | 1520      |       | 379 $\pm 11$              |
| 61     |      |      |                    |           |            |             |            |            | 877         |       | 631       |       | 157 $\pm 8$               |
| 62     |      |      |                    |           |            |             |            |            | 4479        |       | 4233      |       | 1056 $\pm 17$             |
| 63     |      |      |                    |           |            |             |            |            | 337         |       | 91        |       | 23 $\pm 6$                |
| 64     |      |      |                    |           |            |             |            |            | 11236       |       | 10990     |       | 2741 $\pm 27$             |

\*Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as

Routine \_\_\_\_\_

Urgent \_\_\_\_\_

## UNITED STATES NUCLEAR REGULATORY COMMISSION

## REGION I LABORATORY

## SAMPLE RECORD SHEET

Serial No. \_\_\_\_\_

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Sample From: \_\_\_\_\_

Samples Received: \_\_\_\_\_

Analyzed By: \_\_\_\_\_

Collected By \_\_\_\_\_ Date Sent \_\_\_\_\_

Analysis Completed: \_\_\_\_\_

Approved By: \_\_\_\_\_

Organization \_\_\_\_\_

Notified: \_\_\_\_\_ Date: \_\_\_\_\_

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | Results $\pm 1\sigma$<br>dpm |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|------------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                              |
| 65     |      |      |                    |           |            |             |            |            | 395         | 246   | 149       | 0.401 | $37 \pm 6$                   |
| 66     |      |      |                    |           |            |             |            |            | 305         |       | 59        |       | $15 \pm 6$                   |
| 67     |      |      |                    |           |            |             |            |            | 243         |       | -3        |       | $-0.7 \pm 5$                 |
| 68     |      |      |                    |           |            |             |            |            | 208         |       | -38       |       | $-9 \pm 5$                   |
| 69     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | $-2 \pm 5$                   |
| 70     |      |      |                    |           |            |             |            |            | 223         |       | -23       |       | $-6 \pm 5$                   |
| 71     |      |      |                    |           |            |             |            |            | 483         |       | 237       |       | $59 \pm 7$                   |
| 72     |      |      |                    |           |            |             |            |            | 192         |       | -54       |       | $-13 \pm 5$                  |
| 73     |      |      |                    |           |            |             |            |            | 226         |       | -20       |       | $-5 \pm 5$                   |
| 74     |      |      |                    |           |            |             |            |            | 254         |       | 8         |       | $2 \pm 5$                    |
| 75     |      |      |                    |           |            |             |            |            | 1390        |       | 1144      |       | $285 \pm 10$                 |
| 76     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | $-2 \pm 5$                   |
| 77     |      |      |                    |           |            |             |            |            | 337         |       | 91        |       | $23 \pm 6$                   |
| 78     |      |      |                    |           |            |             |            |            | 223         |       | -23       |       | $-2 \pm 5$                   |
| 79     |      |      |                    |           |            |             |            |            | 217         |       | -29       |       | $-7 \pm 5$                   |
| 80     |      |      |                    |           |            |             |            |            | 211         | ↓     | -35       | ↓     | $-9 \pm 5$                   |

\*Random uncertainties reported are 1 standard deviation, 1 $\sigma$ . Small negative and other results  $\leq 3\sigma$  are interpreted by NRC as

UNITED STATES NUCLEAR REGULATORY COMMISSION  
 REGION I LABORATORY  
**SAMPLE RECORD SHEET**

Non Routine \_\_\_\_\_ Date Needed \_\_\_\_\_

Serial No. \_\_\_\_\_

|  |   |  |
|--|---|--|
| Sample From: _____<br>Collected By _____ Date Sent _____<br>Organization _____ | Samples Received: _____<br>Analysis Completed: _____<br>Notified: _____ Date: _____ | Analyzed By: _____<br>Approved By: _____ |
|--|---|--|

| Sample |      |      | Sample Description | Anal. for | Inst. used | Quant. used | Date cntd. | Count time | Gross count | Bkgd. | Net count | Eff.  | Results $\pm 1\sigma$<br>d pm |
|--------|------|------|--------------------|-----------|------------|-------------|------------|------------|-------------|-------|-----------|-------|-------------------------------|
| No.    | Date | Hour |                    |           |            |             |            |            |             |       |           |       |                               |
| 81     |      |      |                    |           |            |             |            |            | 228         | 246   | -18       | 0.401 | -5 ± 5                        |
| 82     |      |      |                    |           |            |             |            |            | 231         |       | -15       |       | -4 ± 5                        |
| 83     |      |      |                    |           |            |             |            |            | 189         |       | -57       |       | -14 ± 5                       |
| 84     |      |      |                    |           |            |             |            |            | 211         |       | -35       |       | -9 ± 5                        |
| 85     |      |      |                    |           |            |             |            |            | 215         |       | -31       |       | -8 ± 5                        |
| 86     |      |      |                    |           |            |             |            |            | 236         |       | -10       |       | -2 ± 5                        |
| 87     |      |      |                    |           |            |             |            |            | 224         |       | -22       |       | -5 ± 5                        |
| 88     |      |      |                    |           |            |             |            |            | 207         |       | -39       |       | -10 ± 5                       |
| 89     |      |      |                    |           |            |             |            |            | 190         |       | -56       |       | -14 ± 5                       |
| 90     |      |      |                    |           |            |             |            |            | 185         |       | -61       |       | -15 ± 5                       |
| 91     |      |      |                    |           |            |             |            |            | 168         |       | -78       |       | -20 ± 5                       |
| 92     |      |      |                    |           |            |             |            |            | 196         |       | -50       |       | -12 ± 5                       |
| 93     |      |      |                    |           |            |             |            |            | 204         |       | -42       |       | -10 ± 5                       |
| 94     |      |      |                    |           |            |             |            |            | 244         |       | -2        |       | -0.5 ± 5                      |
| 95     |      |      |                    |           |            |             |            |            | 215         |       | -31       |       | -8 ± 5                        |
| 96     |      |      |                    |           |            |             |            |            | 233         | ↓     | -13       | ↓     | -3 ± 5                        |

\*Random uncertainties reported are 1 standard deviation, 10. small negative and other results  $\leq 3\sigma$  are interpreted by NRC as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

