

NOTICE OF VIOLATION

Trionix Research Laboratory  
Twinsburg, Ohio

License No. 34-24887-01  
Docket No. 030-29809

During an NRC inspection conducted on July 26, 1996, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," NUREG-1600, the violations are listed below:

1. Condition 13 of License No. 34-24887-01 states, in part, that the licensee shall conduct its program in accordance with statements, representations, and procedures contained in applications dated March 10, 1987 and April 25, 1992 and letters dated March 18, 1987 and April 19, 1991:

- a. The referenced applications and letters require audits of the radiation safety program to be performed quarterly.

Contrary to the above, as of January 1995, audits of the radiation safety program have not been performed quarterly.

This is a Severity Level IV violation (Supplement VII).

- b. Item 3 of the referenced letter dated March 18, 1987, entitled "Personnel Monitoring," requires that each user who handles phantom preparation by injecting Tc-99m into it, will use an extremity monitoring device (finger badge).

Contrary to the above, extremity monitoring devices have not been used by persons handling phantom preparation since at least 1992.

This is a Severity Level IV violation (Supplement VI).

- c. Item 5 of the referenced letter dated March 18, 1987, entitled "Calibration" requires that survey meters be calibrated annually.

Contrary to the above, as of July 26, 1996, the licensee's only survey meter, a Victoreen Model 290, had not been calibrated since 1994.

This is a Severity Level IV violation (Supplement VI).

2. Subitems 6, 7, and 8 of License No. 34-24887-01 specify the type, form and quantity of radioactive material that the licensee may possess.

Contrary to the above, since November 1995, the licensee has possessed radioactive material other than that specified by Subitems 6, 7 and 8. Specifically, the licensee possesses two nominal 300 millicurie gadolinium-153 line sources which are not authorized by the license.

Notice of Violation

2

This is a Severity Level IV violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, Trionix Research Laboratory, Twinsburg, Ohio is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Regional Administrator, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351 within 30 days of the date of the letter transmitting this Notice of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include for each violation: (1) the reason for the violation, or, if contested, the basis for disputing the violation, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken to avoid further violations, and (4) the date when full compliance will be achieved. Your response may reference or include previous docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued as to why the licensee should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

Because your response will be placed in the NRC Public Document Room (PDR), to the extent possible, it should not include any personal privacy, proprietary, or safeguards information so that it can be placed in the PDR without redaction. However, if you find it necessary to include such information, you should clearly indicate the specific information that you desire not to be placed in the PDR, and provide the legal basis to support your request for withholding the information from the public.

Dated at Lisle, Illinois  
this 28th day of August 1996

8/8/96

ordered B. K. and

Request for Ring Badges  
from Landowner

\$12.59 per month / per badge

Request for 2 ring badge  
per month for 3 month

$$\begin{aligned} & \$12.59 \times 2 \text{ badge} \\ & = \$25.18 \text{ per month} \end{aligned}$$

$$\begin{aligned} & 3 \text{ month} \times \$25.18 / \text{month} \\ & = \$75.54 \end{aligned}$$

$$\text{total cost} = \$75.54$$

OK  
OK 8-8-96

Landauer®

Landauer, Inc.  
2 Science Road Glenwood, Illinois 60425-1586  
Telephone: (708) 755-7000 Facsimile: (708) 755-7016

TRIONIX RESEARCH LAB  
8037 BAVARIA ROAD  
TWINSBURG OH 44087

Accredited by  
National Institute of Standards  
through

## SERVICE CHANGE ORDER

NOTE: PLEASE SEND BACK WITH RETURN S

FOR ADDRESS CH  
PLEASE TYPE C

SHIPPING ADDRESS (MAXIMUM 5 LINES)

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_ CITY

5 \_\_\_\_\_

BILLING ADDRESS (MAXIMUM 5 LINES)

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_ CITY

5 \_\_\_\_\_

REPORTING ADDRESS (MAXIMUM 5 LINES)

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_ CITY

5 \_\_\_\_\_

A SAGE NUMBER IS ASSIGNED PERMANENTLY.  
A NEW PERSON NAME CHANGES MAY BE ST  
OR DUE TO MARRIAGE. DISMETERS MAY  
PING CONTAINER, BUT OLD LABELS AND PL  
PROPER POSTAGE AFFIXED.

IMPORTANT: WHEN REQUESTING ANY CHANGES, ADDITIONS, OR DELETIONS, PLEASE MAKE THEM ON THIS FORM.  
CHANGES TO BE EFFECTIVE FOR YOUR NEXT WEAR DATE  
MUST REACH THE GLENWOOD OFFICE NO LATER THAN 08/21/19

PLEASE DO NOT DUPLICATE CHANGES REQUESTED PRIOR TO PRECEDING 30 DAYS

DO NOT RETURN CHANGE REQUESTS WITH YOUR DOSIMETERS SINCE THIS DELAYS HANDLING

ONE HERBIS IS LOANED AT NO CHARGE FOR RESEARCH IN THE U.S. AND CAN BE RETURNED AT TERMINATION OF CONTRACT. EXTRA HERBIS MAY BE PURCHASED AND RETURNED WITH THIS SHIPMENT. (OUR RECORDS INDICATE THIS FELLOW IS LOANED FROM THE U.S. IN YOUR POSSESSION)

|             |         |                   |       |
|-------------|---------|-------------------|-------|
| G (REGULAR) | THERMAL | BI (MULTIRAX 140) | OTHER |
| 139         |         |                   |       |

## Victoreen, Inc.



### Survey Meter Calibration Report / Certificate of Calibration

Customer TRIONIX RESEARCH LAB.

Cust PO #

Victoreen # REP 42584

Model 290 w/ 493-S0  
Serial Nos. 1575 4629

#### CALIBRATION NOTES

Radiation levels are based on standards whose calibrations are traceable to the N.I.S.T. ( Formerly N.B.S. )

The suggested re-calibration date is only a suggestion. The actual frequency of re-calibration may vary depending on Federal, state or local requirements.

During calibration the GM probe was positioned perpendicular to the beam axis with the beta shield closed. For the check source the beta shield was open.

The source used for calibration was Cs-137.

All readings below 10 mR/h were corrected for Background Radiation.

The formula for % Error is:

$$( \text{Reading} - \text{Rate} ) / \text{Rate} \times 100$$

#### IMPORTANT

Any corrections made to the instrument readings ( e.g. Energy Dependence ) are up to the user to apply. Care must be used in applying those factors.

The test response data is on page two (2) of this report.

# Victoreen, Inc.

VICTOREEN

Model 290 w/ 493-50  
Serial Nos. 1575 4629

## CALIBRATION DATA

### RATE

|              | Range  | Rate<br>(mR/h) | Reading<br>(mR/h) | % Error |
|--------------|--------|----------------|-------------------|---------|
|              | X 1000 | 750            | ERR               | ERR     |
|              | X 1000 | 250            | ERR               | ERR     |
|              | X 100  | 80             | 77.0              | -3.75   |
|              | X 100  | 24.6           | 24.2              | -1.59   |
|              | X 10.0 | 7.65           | 7.78              | 1.70    |
|              | X 10.0 | 2.37           | 2.46              | 4.64    |
|              | X 1.0  | 0.743          | 0.780             | 4.98    |
|              | X 1.0  | 0.233          | 0.240             | 3.00    |
|              | X 0.1  | 0.055          | 0.056             | 2.75    |
|              | X 0.1  | 0.018          | 0.018             | 1.41    |
| Background   | X 0.1  | N/A            | 0.020             | N/A     |
| Check Source | X 10.0 | N/A            | 2.2               | N/A     |

### DOSE

|  | Range | Exposure<br>(mR) | Reading<br>(mR) | % Error |
|--|-------|------------------|-----------------|---------|
|  | X 1   | 0.767            | 0.770           | 0.65    |

USRCAL = .48

Calibrated by

*[Signature]*

29-Jul-96

Operational checkout by

*[Signature]*

29-Jul-96

Suggested re-cal due

30-Jul-97

Traceable to the N.I.S.T.

Test No. DG8953/89

Dated Feb. 8, 1989

FTW Chamber Model 30-349

Serial No. 610

6000 Cochran Road  
Cleveland, Ohio 44139-3395

(216) 248-9300

FAX (216) 248-9301

DATA (216) 248-9043

# July 1996

Refer to manual in  
Hot Lab for complete  
Instructions

| Sun | Mon                               | Tue | Wed | Thu                                | Fri  | Sat  |
|-----|-----------------------------------|-----|-----|------------------------------------|--|--|
|     | 1                                 | 2   | 3   | 4<br>SURVEY<br>PRODUCTION<br>AREA  | 5<br>WIPE TEST   | 6  |
| 7   | 8                                 | 9   | 10  | 11<br>SURVEY<br>PRODUCTION<br>AREA | 12<br>WIPE TEST  | 13   |
| 14  | 15                                | 16  | 17  | 18<br>SURVEY<br>PRODUCTION<br>AREA | 19<br>WIPE TEST  | 20   |
| 21  | 22<br>INVENTORY<br>QUARTERLY      | 23  | 24  | 25<br>SURVEY<br>PRODUCTION<br>AREA | 26<br>WIPE TEST  | 27   |
| 28  | 29<br>SURVEY METER<br>CALIBRATION | 30  | 31  |                                    | June<br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 | August<br>S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 |



# August 1996

Refer to manual in  
Hot Lab for complete  
Instructions

| Sun   | Mon   | Tue   | Wed                                      | Thu   | Fri                        | Sat       |
|---|---|---|--|---|----------------------------|-----------|
| <b>July</b><br>S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30 31 | <b>September</b><br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 |   |  | <b>1</b><br><br>SURVEY<br>PRODUCTION<br>AREA  | <b>2</b><br><br>WIPE TEST  | <b>3</b>  |
| <b>4</b>  | <b>5</b>  | <b>6</b>  | <b>7</b> RADIATION<br>SAFETY<br>TRAINING | <b>8</b><br><br>SURVEY<br>PRODUCTION<br>AREA  | <b>9</b><br><br>WIPE TEST  | <b>10</b> |
| <b>11</b>   | <b>12</b>   | <b>13</b><br>Radio Isotope<br>Calibrator<br>Calibration<br><br>LEAKAGE TEST | <b>14</b>                                | <b>15</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>16</b><br><br>WIPE TEST | <b>17</b> |
| <b>18</b>   | <b>19</b>   | <b>20</b>   | <b>21</b>                                | <b>22</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>23</b><br><br>WIPE TEST | <b>24</b> |
| <b>25</b>   | <b>26</b>   | <b>27</b>   | <b>28</b>                                | <b>29</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>30</b><br><br>WIPE TEST | <b>31</b> |



# September 1996

| Sun | Mon | Tue | Wed* | Thu                                | Fri  | Sat   |
|-----|-----|-----|------|------------------------------------|--|---|
| 1   | 2   | 3   | 4    | 5<br>SURVEY<br>PRODUCTION<br>AREA  | 6<br>WIPE TEST   | 7   |
| 8   | 9   | 10  | 11   | 12<br>SURVEY<br>PRODUCTION<br>AREA | 13<br>WIPE TEST  | 14  |
| 15  | 16  | 17  | 18   | 19<br>SURVEY<br>PRODUCTION<br>AREA | 20<br>WIPE TEST  | 21  |
| 22  | 23  | 24  | 25   | 26<br>SURVEY<br>PRODUCTION<br>AREA | 27<br>WIPE TEST  | 28  |
| 29  | 30  |     |      |                                    | August<br>S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 | October<br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 |

# October 1996

| Sun | Mon | Tue                       | Wed | Thu                                | Fri.   | Sat   |
|-----|-----|---------------------------|-----|------------------------------------|--|---|
|     |     | 1                         | 2   | 3<br>SURVEY<br>PRODUCTION<br>AREA  | 4<br>WIPE TEST   | 5   |
| 6   | 7   | 8<br>INVENTORY            | 9   | 10<br>SURVEY<br>PRODUCTION<br>AREA | 11<br>WIPE TEST  | 12  |
| 13  | 14  | 15<br>Quarterly<br>Review | 16  | 17<br>SURVEY<br>PRODUCTION<br>AREA | 18<br>WIPE TEST  | 19  |
| 20  | 21  | 22                        | 23  | 24<br>SURVEY<br>PRODUCTION<br>AREA | 25<br>WIPE TEST  | 26  |
| 27  | 28  | 29                        | 30  | 31<br>SURVEY<br>PRODUCTION<br>AREA | September<br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 | November<br>S M T W T F S<br>1 2<br>3 4 5 6 7 8 9<br>10 11 12 13 14 15 16<br>17 18 19 20 21 22 23<br>24 25 26 27 28 29 30 |

# November 1996

| Sun  | Mon   | Tue       | Wed       | Thu   | Fri                        | Sat       |
|--|---|-----------|-----------|---|----------------------------|-----------|
| <b>October</b><br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 | <b>December</b><br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 31 |           |           |   | <b>1</b><br><br>WIPE TEST  | <b>2</b>  |
| <b>3</b>   | <b>4</b>  | <b>5</b>  | <b>6</b>  | <b>7</b><br>SURVEY<br>PRODUCTION<br>AREA      | <b>8</b><br><br>WIPE TEST  | <b>9</b>  |
| <b>10</b>  | <b>11</b>   | <b>12</b> | <b>13</b> | <b>14</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>15</b><br><br>WIPE TEST | <b>16</b> |
| <b>17</b>  | <b>18</b>   | <b>19</b> | <b>20</b> | <b>21</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>22</b><br><br>WIPE TEST | <b>23</b> |
| <b>24</b>  | <b>25</b>   | <b>26</b> | <b>27</b> | <b>28</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>29</b><br><br>WIPE TEST | <b>30</b> |

# December 1996

| Sun | Mon | Tue | Wed | Thu                                | Fri  | Sat  |
|-----|-----|-----|-----|------------------------------------|--|--|
| 1   | 2   | 3   | 4   | 5<br>SURVEY<br>PRODUCTION<br>AREA  | 6<br>WIPE TEST   | 7  |
| 8   | 9   | 10  | 11  | 12<br>SURVEY<br>PRODUCTION<br>AREA | 13<br>WIPE TEST  | 14   |
| 15  | 16  | 17  | 18  | 19<br>SURVEY<br>PRODUCTION<br>AREA | 20<br>WIPE TEST  | 21   |
| 22  | 23  | 24  | 25  | 26<br>SURVEY<br>PRODUCTION<br>AREA | 27<br>WIPE TEST  | 28   |
| 29  | 30  | 31  |     |                                    | <b>November</b><br>S M T W T F S<br>1 2<br>3 4 5 6 7 8 9<br>10 11 12 13 14 15 16<br>17 18 19 20 21 22 23<br>24 25 26 27 28 29 30 | <b>January</b><br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 |

# January 1997

| Sun   | Mon  | Tue  | Wed                           | Thu   | Fri                        | Sat       |
|---|--|--|-------------------------------|---|----------------------------|-----------|
| <b>December</b><br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 31 | <b>February</b><br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 |  | <b>1</b><br><br><br>INVENTORY | <b>2</b><br><br>SURVEY<br>PRODUCTION<br>AREA  | <b>3</b><br><br>WIPE TEST  | <b>4</b>  |
| <b>5</b>  | <b>6</b>   | <b>7</b><br><br>Quarterly<br>Review          | <b>8</b>                      | <b>9</b><br><br>SURVEY<br>PRODUCTION<br>AREA  | <b>10</b><br><br>WIPE TEST | <b>11</b> |
| <b>12</b>   | <b>13</b>  | <b>14</b><br><br>Generate<br>new<br>Calendar | <b>15</b>                     | <b>16</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>17</b><br><br>WIPE TEST | <b>18</b> |
| <b>19</b>   | <b>20</b>  | <b>21</b>                                    | <b>22</b>                     | <b>23</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>24</b><br><br>WIPE TEST | <b>25</b> |
| <b>26</b>   | <b>27</b>  | <b>28</b>                                    | <b>29</b>                     | <b>30</b><br><br>SURVEY<br>PRODUCTION<br>AREA | <b>31</b><br><br>WIPE TEST |           |

# February 1997

| Sun  | Mon   | Tue                      | Wed       | Thu                                       | Fri                    | Sat       |
|--|---|--------------------------|-----------|---|------------------------|-----------|
| <b>January</b><br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 | <b>March</b><br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 31 |                          |           |   |                        | <b>1</b>  |
| <b>2</b>   | <b>3</b>  | <b>4</b><br>LEAKAGE TEST | <b>5</b>  | <b>6</b><br>Survey<br>Production<br>Area  | <b>7</b><br>WIPE TEST  | <b>8</b>  |
| <b>9</b>   | <b>10</b>   | <b>11</b>                | <b>12</b> | <b>13</b><br>Survey<br>Production<br>Area | <b>14</b><br>WIPE TEST | <b>15</b> |
| <b>16</b>  | <b>17</b>   | <b>18</b>                | <b>19</b> | <b>20</b><br>Survey<br>Production<br>Area | <b>21</b><br>WIPE TEST | <b>22</b> |
| <b>23</b>  | <b>24</b>   | <b>25</b>                | <b>26</b> | <b>27</b><br>Survey<br>Production<br>Area | <b>28</b><br>WIPE TEST |           |

# March 1997

| Sun | Mon | Tue | Wed | Thu                                | Fri  | Sat   |
|-----|-----|-----|-----|------------------------------------|--|---|
|     |     |     |     |                                    |  | 1   |
| 2   | 3   | 4   | 5   | 6<br>Survey<br>Production<br>Area  | 7<br>WIPE TEST   | 8   |
| 9   | 10  | 11  | 12  | 13<br>Survey<br>Production<br>Area | 14<br>WIPE TEST  | 15  |
| 16  | 17  | 18  | 19  | 20<br>Survey<br>Production<br>Area | 21<br>WIPE TEST  | 22  |
| 23  | 24  | 25  | 26  | 27<br>Survey<br>Production<br>Area | 28<br>WIPE TEST  | 29  |
| 30  | 31  |     |     |                                    | <b>February</b><br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 | <b>April</b><br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 |



# April 1997

| Sun | Mon | Tue                      | Wed | Thu                                | Fri  | Sat   |
|-----|-----|--------------------------|-----|------------------------------------|--|---|
|     |     | 1<br>INVENTORY           | 2   | 3<br>Survey<br>Production<br>Area  | 4<br>WIPE TEST   | 5   |
| 6   | 7   | 8<br>QUARTERLY<br>REVIEW | 9   | 10<br>Survey<br>Production<br>Area | 11<br>WIPE TEST  | 12  |
| 13  | 14  | 15                       | 16  | 17<br>Survey<br>Production<br>Area | 18<br>WIPE TEST  | 19  |
| 20  | 21  | 22                       | 23  | 24<br>Survey<br>Production<br>Area | 25<br>WIPE TEST  | 26  |
| 27  | 28  | 29                       | 30  |                                    | March<br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 31 | May<br>S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 |

# May 1997

| Sun   | Mon  | Tue       | Wed       | Thu   | Fri                        | Sat       |
|---|--|-----------|-----------|---|----------------------------|-----------|
| <b>April</b><br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 | <b>June</b><br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 |           |           | <b>1</b><br><br>Survey<br>Production<br>Area  | <b>2</b><br><br>WIPE TEST  | <b>3</b>  |
| <b>4</b>  | <b>5</b>   | <b>6</b>  | <b>7</b>  | <b>8</b><br><br>Survey<br>Production<br>Area  | <b>9</b><br><br>WIPE TEST  | <b>10</b> |
| <b>11</b>   | <b>12</b>  | <b>13</b> | <b>14</b> | <b>15</b><br><br>Survey<br>Production<br>Area | <b>16</b><br><br>WIPE TEST | <b>17</b> |
| <b>18</b>   | <b>19</b>  | <b>20</b> | <b>21</b> | <b>22</b><br><br>Survey<br>Production<br>Area | <b>23</b><br><br>WIPE TEST | <b>24</b> |
| <b>25</b>   | <b>26</b>  | <b>27</b> | <b>28</b> | <b>29</b><br><br>Survey<br>Production<br>Area | <b>30</b><br><br>WIPE TEST | <b>31</b> |

# June 1997

| Sun | Mon | Tue                               | Wed | Thu                                | Fri   | Sat  |
|-----|-----|-----------------------------------|-----|------------------------------------|---|--|
| 1   | 2   | 3                                 | 4   | 5<br>SURVEY<br>PRODUCTION<br>AREA  | 6<br>WIPE TEST  | 7  |
| 8   | 9   | 10                                | 11  | 12<br>SURVEY<br>PRODUCTION<br>AREA | 13<br>WIPE TEST   | 14   |
| 15  | 16  | 17                                | 18  | 19<br>SURVEY<br>PRODUCTION<br>AREA | 20<br>WIPE TEST   | 21   |
| 22  | 23  | 24<br>SURVEY METER<br>CALIBRATION | 25  | 26<br>SURVEY<br>PRODUCTION<br>AREA | 27<br>WIPE TEST   | 28   |
| 29  | 30  |                                   |     |                                    | May<br>S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 | July<br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 |

# July 1997

| Sun | Mon | Tue  | Wed | Thu                                | Fri  | Sat |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|-----|-----|--|-----|------------------------------------|--|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|--|-----|--|---|---|---|---|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
|     |     | 1<br>Inventory   | 2   | 3<br>SURVEY<br>PRODUCTION<br>AREA  | 4<br>WIPE TEST   | 5   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 6   | 7   | 8<br>Quarterly<br>Review   | 9   | 10<br>SURVEY<br>PRODUCTION<br>AREA | 11<br>WIPE TEST  | 12  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 13  | 14  | 15<br>Radio Isotope<br>Calibrator<br>Calibration<br>LEAKAGE TEST | 16  | 17<br>SURVEY<br>PRODUCTION<br>AREA | 18<br>WIPE TEST  | 19  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 20  | 21  | 22   | 23  | 24<br>SURVEY<br>PRODUCTION<br>AREA | 25<br>WIPE TEST  | 26  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 27  | 28  | 29<br>Radiation<br>Safety<br>Training                            | 30  | 31<br>SURVEY<br>PRODUCTION<br>AREA | <div>June</div> <table> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <div>August</div> <table> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1 2</td></tr> <tr><td></td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8 9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> |     | S | M | T | W | T | F | S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |  |  |  |  | S | M | T | W | T | F | S |  |  |  |  |  |  | 1 2 |  | 3 | 4 | 5 | 6 | 7 | 8 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |  |  |  |
| S   | M   | T  | W   | T                                  | F  | S   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 1   | 2   | 3  | 4   | 5                                  | 6  | 7   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 8   | 9   | 10   | 11  | 12                                 | 13   | 14  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 15  | 16  | 17   | 18  | 19                                 | 20   | 21  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 22  | 23  | 24   | 25  | 26                                 | 27   | 28  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 29  | 30  |  |     |                                    |  |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| S   | M   | T  | W   | T                                  | F  | S   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|     |     |  |     |                                    |  | 1 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
|     | 3   | 4  | 5   | 6                                  | 7  | 8 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 10  | 11  | 12   | 13  | 14                                 | 15   | 16  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 17  | 18  | 19   | 20  | 21                                 | 22   | 23  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 24  | 25  | 26   | 27  | 28                                 | 29   | 30  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |
| 31  |     |  |     |                                    |  |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |  |     |  |   |   |   |   |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |  |  |

# August 1997

| Sun | Mon | Tue | Wed | Thu                                | Fri   | Sat   |
|-----|-----|-----|-----|------------------------------------|---|---|
|     |     |     |     |                                    | 1<br>WIPE TEST  | 2   |
| 3   | 4   | 5   | 6   | 7<br>SURVEY<br>PRODUCTION<br>AREA  | 8<br>WIPE TEST  | 9   |
| 10  | 11  | 12  | 13  | 14<br>SURVEY<br>PRODUCTION<br>AREA | 15<br>WIPE TEST   | 16  |
| 17  | 18  | 19  | 20  | 21<br>SURVEY<br>PRODUCTION<br>AREA | 22<br>WIPE TEST   | 23  |
| 24  | 25  | 26  | 27  | 28<br>SURVEY<br>PRODUCTION<br>AREA | 29<br>WIPE TEST   | 30  |
| 31  |     |     |     |                                    | <b>July</b><br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 | <b>September</b><br>S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30 |

# September 1997

| Sun | Mon | Tue | Wed | Thu                                | Fri   | Sat   |
|-----|-----|-----|-----|------------------------------------|---|---|
|     | 1   | 2   | 3   | 4<br>SURVEY<br>PRODUCTION<br>AREA  | 5<br>Wipe Test  | 6   |
| 7   | 8   | 9   | 10  | 11<br>SURVEY<br>PRODUCTION<br>AREA | 12<br>Wipe Test   | 13  |
| 14  | 15  | 16  | 17  | 18<br>SURVEY<br>PRODUCTION<br>AREA | 19<br>Wipe Test   | 20  |
| 21  | 22  | 23  | 24  | 25<br>SURVEY<br>PRODUCTION<br>AREA | 26<br>Wipe Test   | 27  |
| 28  | 29  | 30  |     |                                    | August<br>S M T W T F S<br>1 2<br>3 4 5 6 7 8 9<br>10 11 12 13 14 15 16<br>17 18 19 20 21 22 23<br>24 25 26 27 28 29 30<br>31 | October<br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 |