

UNITED STATES NUCLEAR REGULATORY COMMISSION  
REGION I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406Site PilgrimENVIRONMENTAL RADIATION MONITORING PROGRAM  
DOSIMETER PLACEMENT/COLLECTION DATA SHEET

Smolen  
FTS  
Add  
Station's  
A5 & A6

Anneal Date: 12 June 1980  
Ship Date to Site: 12 June 1980  
Received at Site: \_\_\_\_\_  
Placement Date: 6/30/80  
Retrieval Date: 9/29 + 9/30  
Return Shipment Date: 10/2  
Read Out Date: \_\_\_\_\_

Annealed By: M. Slobodien  
Shipped By: M. Slobodien  
Received By: B. Chin  
Placed By: B. Chin, George Sible  
Retrieved By: B. Chin  
Returned By: B. Chin  
Read By: \_\_\_\_\_

Location

| NRC<br>Station | Dosimeter<br>Number | Sector | Azimuth | Zenith | Description          | Date/Time<br>Placed | Date/Time<br>Retrieved | ΔT<br>(To Be filled<br>in by NRC) |
|----------------|---------------------|--------|---------|--------|----------------------|---------------------|------------------------|-----------------------------------|
| 1              | 1001001             | W      | 288°    | 0.1 mi | Pilgrim Overlook     | 8:30A<br>6/30/80    | 9/29 10:00am           |                                   |
| 2              | 1001002             | NW     | 310°    | 0.2 mi | Station Parking Area | 835A                | 4 11-                  |                                   |
| 5              | 1001005             | WNW    | 289°    | 0.7 mi | Rocky Hill Rd.       | <del>11:00A</del>   | <del>9/30/80</del>     |                                   |
| 6              | 1001006             | W      | 261°    | 1.7 mi | "                    | 11:00A              | 9/30/80                |                                   |
| 7              | 1001007             | W      | 270°    | 0.5 mi | "                    | 10:50A              | 9/30/80                |                                   |
| 8              | 1001008             | WSW    | 247°    | 0.3 mi | "                    | 10:40A              | 9/30/80                |                                   |

| NRC Station | Dosimeter Number | Sector | Azimuth | Zenith | Description             | Date/Time Placed  | Date/Time Retrieved | $\Delta T$<br>(To Be filled in by NRC) |
|-------------|------------------|--------|---------|--------|-------------------------|-------------------|---------------------|--|
| 9           | 1001009          | SW     | 224°    | 0.3 mi | Rocky Hill Rd.          | 6/30/80<br>10:35A | 9:35A 9/14/80       |  |
| 10          | 1001010          | SSW    | 205°    | 0.3 mi | "                       | 10:30A            | 9:30A 9/14/80       |  |
| 11          | 1001011          | S      | 184°    | 0.3 mi | "                       | 10:25A            | 9:55A               |  |
| 12          | 1001012          | SSE    | 159°    | 0.4 mi | "                       | 10:20A            | 9:20A 9/14/80       |  |
| 13          | 1001013          | SE     | 146°    | 0.7 mi | "                       | 10:15A            | 9:29 11:50A         |  |
| 14          | 1001014          | SE     | 155°    | 1.0 mi | "                       | 10:10A            | 9:29 11:45A         |  |
| 16          | 1001016          | SE     | 136°    | 1.3 mi | White House Beach       | 9:50A             | 9:29 11:45A         |  |
| 18          | 1001018          | SSW    | 212°    | 0.8 mi | Cleft Rock Rd.          | 12:50P            | 9:50 11:35A         |  |
| 19          | 1001019          | SW     | 232°    | 1.0 mi | RT-3A                   | 12:30P            | 11:30A 9:30         |  |
| 21          | 1001021          | WSW    | 256°    | 1.6 mi | RT-3A                   | 11:10A            |                     |  |
| 22          | 1001022          | ESE    | 130°    | 2.5 mi | Manomet Pt.             | 9:45A             |                     |  |
| 23          | 1001023          | SE     | 146°    | 3.4 mi | Manomet Elementary      | 9:40A             | 9:29 11:10A         |  |
| 25          | 1001025          | SSE    | 168°    | 1.5 mi | RT-3A                   | 10:00A            | 9:29 11:45A         |  |
| 26          | 1001026          | S      | 180°    | 1.3 mi | RT-3A                   | 12:50P            | 9:30 11:40A         |  |
| 27          | 1001027          | SW     | 231°    | 1.8 mi | Daton Rd.               | 11:35A            | 9:30 10:15 AM       |  |
| 30          | 1001030          | SSE    | 153°    | 2.2 mi | New Bedford Substation  | 9:30A             | 9:29 10:55A         |  |
| 31          | 1001031          | S      | 179°    | 2.5 mi | Beaver Dam Rd.          | 12:40P            | 9:30 11:45A         |  |
| 32          | 1001032          | SSW    | 217°    | 2.6 mi | Old Sandwich Rd.        | NO STATION        |                     |  |
| 33          | 1001033          | SW     | 234°    | 2.5 mi | Sandwich & Cliff Road   | 11:25A            | 10:00 AM 9:30/180   |  |
| 37          | 1001037          | WSW    | 264°    | 4.2 mi | Sandwich Rd. Substation | 11:45A            | 10:20A 9:30/180     |  |
| 38          | 1001038          | SSE    | 152°    | 3.5 mi | Church Hill Landing     | 9:29A             | 9:29 10:45A         |  |

| NRC Station | Dosimeter Number   | Sector           | Azimuth | Zenith  | Description       | Date/Time Placed | Date/Time Retrieved | ΔT<br>(To Be filled in by NRC) |
|-------------|--------------------|------------------|---------|---------|-------------------|------------------|---------------------|--------------------------------|
| #539        | 100/005<br>100/039 | SSE              | 155°    | 5.3 mi  | Surfside Beach    | 8:58A<br>6/30/80 | 9/29 10:30A         |                                |
| 40          | 100/040            | W                | 272°    | 4.6 mi  | Jordan Hosp.      | 11:55A           | 9/30 10:25AM        |                                |
| 42          | 100/042            | W                | 281°    | 4.6 mi  | Plymouth Fire St. | 12:10A           | 9/30 10:45AM        |                                |
| 43          | 100/043            | WNW              | 291°    | 5.8 mi  | N. Plymouth       | 12:20A           | 10:20A 9/30/80      |                                |
| 47          | 100/047            | WNW              | 301°    | 26.2 mi | Weymouth          | 4:45P            | 9/29 12:30P         |                                |
| 48          | 100/048            | WNW              | 301°    | "       | "                 | 4:45P            | 9/29 12:30P         |                                |
| 49          | 100/049            | WNW              | 301°    | "       | "                 | 4:30P            | 9/30 12:20P         |                                |
| 50          | 100/050<br>LOW     | Low Bkg. Control |         |         |                   | <del>4:30P</del> |                     |                                |

In Transit Controls: 51, 52, 53, 54

| Station | Notes                            | Date/Time  |
|---------|----------------------------------|------------|
| 39      | <del>AT STA 45. SHW RECORD</del> | 4/30 1:05P |
| 32      | <del>AT STA 46. 4 TOWN</del>     | 6/30 2:30P |

All TLD's were placed on 6/30/80.

TLD #5 placed at station 39 by mistake

TLD #39 placed at station 45 due to missing TLD #45

TLD #32 placed at station 46 due to missing TLD #46

~~TLD #32 & #35~~

Station 5 and 32 were not activated because of shortage of replacement cages

PILGRIM THIRD QUARTER 10/3/80

|   |    |    |    |   |    |     |         |      |      |      |      |        |          |            |
|---|----|----|----|---|----|-----|---------|------|------|------|------|--------|----------|------------|
| 1 | 74 | 01 | 98 | 3 | 4  | 01  | 8003    | 0010 | 0010 | 0000 | 0937 | 240858 | 00818261 | 801007     |
| 1 | 74 | 01 | 99 | 3 | 4  | 01  | 8003    | 0010 | 0010 | 0000 | 0971 | 240901 | 00818261 | 801007     |
| 2 | 69 | 01 | 00 | * | 01 | 172 | 1001001 | 7680 | 7743 | 7774 | 7804 | 001    | 052      | 0987 D1D1  |
| 2 | 69 | 01 | 01 | * | 02 | 172 | 1001002 | 7313 | 7360 | 7308 | 7298 | 000    | 043      | 0996 D1D1  |
| 2 | 69 | 01 | 02 | * | 05 | 172 | 1001039 | 7238 | 7269 | 7191 | 7212 | 001    | 044      | 0993 D1D1  |
| 2 | 69 | 01 | 03 | * | 06 | 172 | 1001006 | 7289 | 7275 | 7243 | 7249 | 000    | 061      | 0971 D1D1  |
| 2 | 69 | 01 | 04 | * | 07 | 172 | 1001007 | 7302 | 7338 | 7266 | 7284 | 000    | 047      | 0996 D1D1  |
| 2 | 69 | 01 | 05 | * | 08 | 172 | 1001008 | 7342 | 7220 | 7256 | 7246 | 000    | 036      | 0993 D1D1  |
| 2 | 69 | 01 | 06 | * | 09 | 172 | 1001009 | 7371 | 7249 | 7248 | 7238 | 002    | 049      | 0996 D1D1✓ |
| 2 | 69 | 01 | 07 | * | 10 | 172 | 1001010 | 7320 | 7327 | 7295 | 7322 | 001    | 040      | 1000 D1D1  |
| 2 | 69 | 01 | 08 | * | 12 | 172 | 1001012 | 7253 | 7255 | 7264 | 7259 | 003    | 028      | 0971 D1D1  |
| 2 | 69 | 01 | 09 | * | 13 | 172 | 1001013 | 7287 | 7224 | 7229 | 7221 | 000    | 043      | 0996 D1D1  |
| 2 | 69 | 01 | 10 | * | 14 | 172 | 1001014 | 7299 | 7278 | 7243 | 7239 | 000    | 050      | 1006 D1D1  |
| 2 | 69 | 01 | 11 | * | 16 | 172 | 1001016 | 7317 | 7264 | 7223 | 7221 | 002    | 031      | 0987 D1D1  |
| 2 | 69 | 01 | 12 | * | 18 | 172 | 1001018 | 7270 | 7270 | 7224 | 7229 | 001    | 061      | 0996 D1D1  |
| 2 | 69 | 01 | 13 | * | 19 | 172 | 1001019 | 7242 | 7271 | 7203 | 7217 | 000    | 037      | 0980 D1D1  |
| 2 | 69 | 01 | 14 | * | 21 | 172 | 1001021 | 7320 | 7271 | 7245 | 7227 | 000    | 044      | 0974 D1D1  |
| 2 | 69 | 01 | 15 | * | 22 | 172 | 1001022 | 7271 | 7231 | 7230 | 7262 | 000    | 059      | 0974 D1D1  |
| 2 | 69 | 01 | 16 | * | 23 | 111 | 1001023 | 7235 | 7276 | 7195 | 7221 | 001    | 043      | 0977 D1D1  |
| 2 | 69 | 01 | 17 | * | 25 | 172 | 1001025 | 7264 | 7262 | 7227 | 7213 | 002    | 042      | 0980 D1D1  |
| 2 | 69 | 01 | 18 | * | 26 | 100 | 1001026 | 7272 | 7274 | 7188 | 7202 | 001    | 048      | 0977 D1D1  |
| 2 | 69 | 01 | 19 | * | 27 | 172 | 1001027 | 7278 | 7269 | 7228 | 7209 | 002    | 042      | 0987 D1D1  |
| 2 | 69 | 01 | 20 | * | 30 | 172 | 1001030 | 7313 | 7287 | 7233 | 7230 | 003    | 037      | 0977 D1D1  |
| 2 | 69 | 01 | 21 | * | 31 | 172 | 1001031 | 7262 | 7249 | 7214 | 7208 | 000    | 040      | 0971 D1D1  |
| 2 | 69 | 01 | 22 | * | 32 | 172 | 1001046 | 7231 | 7218 | 7175 | 7176 | 000    | 041      | 0980 D1D1  |
| 2 | 69 | 01 | 23 | * | 33 | 172 | 1001033 | 7242 | 7295 | 7210 | 7225 | 001    | 031      | 0977 D1D1  |
| 2 | 69 | 01 | 24 | * | 37 | 172 | 1001037 | 7251 | 7271 | 7252 | 7228 | 001    | 042      | 0984 D1D1  |
| 2 | 69 | 01 | 25 | * | 38 | 172 | 1001038 | 7231 | 7228 | 7189 | 7203 | 000    | 041      | 0980 D1D1  |
| 2 | 69 | 01 | 26 | * | 40 | 172 | 1001040 | 7282 | 7178 | 7255 | 7232 | 002    | 028      | 0984 D1D1  |
| 2 | 69 | 01 | 27 | * | 41 | 172 | 1001042 | 7264 | 7280 | 7224 | 7214 | 001    | 050      | 1000 D1D1  |
| 2 | 69 | 01 | 28 | * | 42 | 172 | 1001043 | 7295 | 7300 | 7248 | 7257 | 000    | 052      | 0984 D1D1  |
| 2 | 69 | 01 | 29 | * | 43 | 172 | 1001047 | 7280 | 7298 | 7239 | 7247 | 001    | 057      | 0993 D1D1  |
| 2 | 69 | 01 | 30 | * | 44 | 172 | 1001048 | 7302 | 7302 | 7236 | 7244 | 001    | 046      | 0987 D1D1  |
| 2 | 69 | 01 | 31 | * | 45 | 172 | 1001049 | 7316 | 7336 | 7226 | 7243 | 005    | 037      | 0993 D1D1  |
| 2 | 69 | 01 | 32 | * | 46 | 172 | 1001050 | 7200 | 7209 | 7151 | 7150 | 001    | 037      | 0984 D1D1  |
| 2 | 69 | 01 | 33 |   | 47 | 411 | 0000110 | EEEE | 7048 | 7047 | 7045 | 001    | 043      | 0993       |
| 2 | 69 | 01 | 34 |   | 48 | 422 | 0000111 | EE   | 7054 | 7045 | 7054 | 000    | 039      | 0993       |
| 2 | 69 | 01 | 35 |   | 49 | 422 | 0000112 | EEEE | 7050 | 7045 | 7046 | 006    | 031      | 0964       |
| 2 | 69 | 01 | 36 |   | 50 | 411 | 0000109 | EEEE | 7047 | 7042 | 7048 | 000    | 061      | 0968       |

placed at  
Station 31 by mobile

See 15

See 5

PILGRIM RESIDUALS

|   |    |    |    |   |    |     |         |      |      |      |      |        |          |        |
|---|----|----|----|---|----|-----|---------|------|------|------|------|--------|----------|--------|
| 1 | 74 | 01 | 37 | S | 4  | 01  | 8003    | 0010 | 0010 | 0000 | 0937 | 240918 | 00818730 | 801007 |
| 2 | 69 | 01 | 38 |   | 01 | 172 | 1001001 | 7019 | 7026 | 7034 | 7003 | 000    | 040      | 0980   |
| 2 | 69 | 01 | 39 |   | 02 | 172 | 1001002 | 7028 | 7017 | 7001 | 7001 | 002    | 045      | 0984   |
| 2 | 69 | 01 | 40 |   | 05 | 172 | 1001037 | 7013 | 7008 | 7000 | 7001 | 001    | 047      | 0980   |
| 2 | 69 | 01 | 41 |   | 06 | 172 | 1001006 | 7028 | 7019 | 7001 | 7001 | 002    | 033      | 0977   |
| 2 | 69 | 01 | 42 |   | 07 | 172 | 1001007 | 7017 | 7019 | 7001 | 7001 | 000    | 047      | 0990   |
| 2 | 69 | 01 | 43 |   | 08 | 172 | 1001008 | 7013 | 7021 | 7001 | 7001 | 001    | 042      | 0987   |
| 2 | 69 | 01 | 44 |   | 09 | 172 | 1001009 | 7017 | 7021 | 7001 | 7001 | 002    | 031      | 0974   |
| 2 | 69 | 01 | 45 |   | 10 | 172 | 1001010 | 7021 | 7024 | 7002 | 7001 | 001    | 037      | 0974   |
| 2 | 69 | 01 | 46 |   | 12 | 172 | 1001012 | 7028 | 7021 | 7001 | 7001 | 001    | 040      | 1000   |
| 2 | 69 | 01 | 47 |   | 13 | 172 | 1001013 | 7015 | 7004 | 7001 | 7001 | 003    | 034      | 0993   |
| 2 | 69 | 01 | 48 |   | 14 | 172 | 1001014 | 7024 | 7021 | 7001 | 7002 | 000    | 045      | 0996   |
| 2 | 69 | 01 | 49 |   | 16 | 173 | 1001016 | 7005 | 7005 | 7001 | 7002 | 005    | 021      | 0984   |
| 2 | 69 | 01 | 50 |   | 18 | 171 | 1001018 | 7011 | 7019 | 7001 | 7001 | 000    | 040      | 0971   |
| 2 | 69 | 01 | 51 |   | 19 | 172 | 1001019 | 7013 | 7013 | 7001 | 7001 | 002    | 040      | 0984   |
| 2 | 69 | 01 | 52 |   | 21 | 172 | 1001021 | 7006 | 7015 | 7001 | 7002 | 002    | 047      | 0987   |
| 2 | 69 | 01 | 53 |   | 22 | 172 | 1001022 | 7015 | 7017 | 7000 | 7001 | 003    | 046      | 0984   |
| 2 | 69 | 01 | 54 |   | 23 | 111 | 1001023 | 7007 | 7013 | 7000 | 7001 | 003    | 037      | 0984   |
| 2 | 69 | 01 | 55 |   | 25 | 172 | 1001025 | 7015 | 7021 | 7001 | 7001 | 001    | 042      | 0977   |
| 2 | 69 | 01 | 56 |   | 26 | 100 | 1001026 | 7033 | 7026 | 7002 | 7001 | 001    | 033      | 0993   |
| 2 | 69 | 01 | 57 |   | 27 | 172 | 1001027 | 7017 | 7015 | 7002 | 7001 | 002    | 031      | 0990   |
| 2 | 69 | 01 | 58 |   | 30 | 172 | 1001030 | 7008 | 7013 | 7001 | 7002 | 002    | 047      | 0984   |
| 2 | 69 | 01 | 59 |   | 31 | 172 | 1001031 | 7032 | 7012 | 7001 | 7002 | 001    | 050      | 0984   |
| 2 | 69 | 01 | 60 |   | 32 | 172 | 1001032 | 7026 | 7017 | 7001 | 7000 | 000    | 049      | 0961   |
| 2 | 69 | 01 | 61 |   | 33 | 172 | 1001033 | 7008 | 7013 | 7001 | 7001 | 002    | 028      | 0977   |
| 2 | 69 | 01 | 62 |   | 37 | 172 | 1001037 | 7015 | 7028 | 7001 | 7000 | 001    | 049      | 0990   |
| 2 | 69 | 01 | 63 |   | 38 | 172 | 1001038 | 7041 | 7013 | 7001 | 7001 | 001    | 042      | 0984   |
| 2 | 69 | 01 | 64 |   | 40 | 172 | 1001040 | 7021 | 7006 | 7001 | 7001 | 002    | 045      | 0971   |
| 2 | 69 | 01 | 65 |   | 41 | 172 | 1001042 | 7024 | 7019 | 7001 | 7001 | 001    | 044      | 0987   |
| 2 | 69 | 01 | 66 |   | 42 | 172 | 1001043 | 7028 | 7021 | 7001 | 7001 | 001    | 040      | 0968   |
| 2 | 69 | 01 | 67 |   | 43 | 172 | 1001047 | 7028 | 7019 | 7001 | 7001 | 002    | 046      | 0974   |
| 2 | 69 | 01 | 68 |   | 44 | 172 | 1001048 | 7024 | 7017 | 7001 | 7001 | 000    | 046      | 0980   |
| 2 | 69 | 01 | 69 |   | 45 | 172 | 1001049 | 7024 | 7028 | 7001 | 7000 | 001    | 041      | 0987   |
| 2 | 69 | 01 | 70 |   | 46 | 172 | 1001050 | 7004 | 7015 | 7001 | 7000 | 001    | 045      | 0977   |
| 2 | 69 | 01 | 71 |   | 47 | 411 | 0000110 | EEEE | 7000 | 7000 | 7000 | 000    | 047      | 0958   |
| 2 | 69 | 01 | 72 |   | 48 | 422 | 0000111 | EEEE | 7000 | 7000 | 7000 | 001    | 030      | 0974   |
| 2 | 69 | 01 | 73 |   | 49 | 422 | 0000112 | EEEE | 7000 | 7000 | 7001 | 000    | 050      | 0984   |
| 2 | 69 | 01 | 74 |   | 50 | 411 | 0000109 | EEEE | 7000 | 7001 | 7001 | 000    | 042      | 0974   |