Summary of Tritium Detected in Groundwater Monitoring Wells

Second Quarter of 2015

Pilgrim Nuclear Power Station

Plymouth, MA

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample collected  week of** | **Reported by2** | **Tritium concentration (pCi/L)1** | | | | | | | | | | | | | | | | | | | | | | |
| **MW201** | **MW202S** | **MW202I** | **MW204** | **MW205** | **MW206** | **MW207** | **MW208S** | **MW208I** | **MW209** | **MW210** | **MW211** | **MW212** | **MW213** | **MW214** | **MW215** | **MW216** | **MW217** | **MW218** | **MW219** | **MW220** | **MW3** | **MW4R** |
| 4/7/2015 | ENTERGY/GEL | <325 |  |  |  | 489 |  |  |  |  | 651 |  | 1230 |  |  |  | 752 | 420 |  | 1550 | 829 |  |  |  |
| MDPH/MERL | <300 |  |  |  | 621 |  |  |  |  | 1051 |  | 1333 |  |  |  | 1033 | 1029 |  | 1921 | 1467 |  |  |  |
| 4/13/2015 | ENTERGY/GEL |  |  |  |  | 601 | <350 |  |  |  | 919 |  | 1310 |  |  |  |  | 947 |  | 1560 | 1210 |  |  |  |
| MDPH/MERL |  |  |  |  | 921 | 472 |  |  |  | 955 |  | 1683 |  |  |  |  | 1227 |  | 1591 | 1134 |  |  |  |
| 4/20/2015 | ENTERGY/GEL | <335 |  |  |  | 592 | <334 |  |  |  | 947 |  | 1070 |  |  |  | 1010 | 1240 |  | 1210 | 1310 |  |  |  |
| MDPH/MERL | <300 |  |  |  | 848 | <300 |  |  |  | 937 |  | 1324 |  |  |  | 726 | 1870 |  | 1612 | 1249 |  |  |  |
| 4/29/2015 | ENTERGY/GEL |  |  |  |  |  | <243 |  |  |  | 810 |  |  |  |  |  |  | 1440 |  | 1510 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 887 |  |  |  |  |  |  | 2079 |  | 1586 |  |  |  |  |
| 5/4/2015 | ENTERGY/GEL |  |  |  |  |  | <245 |  |  |  | 713 |  |  |  |  |  |  | 682 |  | 1420 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 918 |  |  |  |  |  |  | 1294 |  | 1889 |  |  |  |  |
| 5/12/2015 | ENTERGY/GEL |  |  |  |  |  | <292 |  |  |  | 942 |  |  |  |  |  |  | 1580 |  | 4040 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 623 |  |  |  |  |  |  | 1643 |  | 4247 |  |  |  |  |
| 5/18/2015 | ENTERGY/GEL |  |  |  |  |  | <278 |  |  |  | 1080 |  | 1520 |  |  |  | 804 | 2240 |  | 3000 | 1240 |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 743 |  | 1132 |  |  |  | 711 | 2228 |  | 2846 | 946 |  |  |  |
| 5/26/2015 | ENTERGY/GEL |  |  |  |  |  | <316 |  |  |  | 853 |  |  |  |  |  |  | 991 |  | 2740 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 614 |  |  |  |  |  |  | 964 |  | 2408 |  |  |  |  |
| 6/1/2015 | ENTERGY/GEL | <318 | 459 | <337 | <333 | 956 | <334 | <335 | <330 | <333 | 888 | 612 | 1040 | 533 | <329 | <327 | 826 | 1400 | <349 | 2150 | 410 | 823 | <332 | <331 |
| MDPH/MERL | <300 | 380 | <300 | 496 | 923 | <300 | 414 | <300 | <300 | 720 | 485 | 1118 | 676 | <300 | <300 | 633 | 2077 | <300 | 1590 | 438 | 678 | <300 | <300 |
| 6/9/2015 | ENTERGY/GEL |  |  |  |  |  | <331 |  |  |  | 875 |  |  |  |  |  |  | 2730 |  | 1720 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 511 |  |  |  |  |  |  | 2429 |  | 1772 |  |  |  |  |
| 6/16/2015 | ENTERGY/GEL |  |  |  |  |  | <329 |  |  |  | 874 |  |  |  |  |  |  | 3050 |  | 1780 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 444 |  |  |  |  |  |  | 2963 |  | 1613 |  |  |  |  |
| 6/22/2015 | ENTERGY/GEL |  |  |  |  |  | <307 |  |  |  | 641 |  |  |  |  |  |  | 2360 |  | 1680 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | 527 |  |  |  |  |  |  | 2195 |  | 1580 |  |  |  |  |
| 6/30/2015 | ENTERGY/GEL |  |  |  |  |  | <335 |  |  |  | 831 |  |  |  |  |  |  | 3330 |  | 2060 |  |  |  |  |
| MDPH/MERL |  |  |  |  |  | <300 |  |  |  | <300 |  |  |  |  |  |  | 3044 |  | 1195 |  |  |  |  |

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| Notes:  1. < = Not detected above the reporting level shown.  2. Entergy samples collected by Entergy/Consultant and analyzed by Entergy contract laboratory; Split samples received from Entergy by MDPH and analyzed by MDPH/RCP Massachusetts Environmental Radiation Laboratory (MERL). |