

| <b>Data Table 6-26, Diffuse and Fugitive Releases and MEI Doses for NESHAP</b> |                              |                                                         |                        |
|--------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------|------------------------|
|                                                                                |                              |                                                         |                        |
|                                                                                |                              |                                                         |                        |
| <b>Radionuclide</b>                                                            | <b>Releases<br/>(curies)</b> | <b>Maximally Exposed<br/>Individual Dose<br/>(mrem)</b> | <b>Percent of Dose</b> |
| Cs-137                                                                         | 7.70E-02                     | 7.96E-03                                                | 0.6                    |
| Unidentified Beta                                                              | 4.10E-02                     | 3.25E-03                                                | 0.2                    |
| Unidentified Alpha                                                             | 1.25E-03                     | 7.89E-04                                                | 0.1                    |
| Pu-239                                                                         | 8.52E-04                     | 5.38E-04                                                | 0.04                   |
| H-3(oxide.)                                                                    | 2.09E+02                     | 3.17E-04                                                | 0.02                   |
| Pu-238                                                                         | 1.42E-04                     | 8.22E-05                                                | 0.01                   |
| Sr-90                                                                          | 4.78E-04                     | 3.78E-05                                                | 0.003                  |
| I-129                                                                          | 1.15E-04                     | 2.63E-05                                                | 0.002                  |
| U-234                                                                          | 2.06E-05                     | 1.41E-05                                                | 0.001                  |
| Am-241                                                                         | 1.12E-05                     | 5.88E-06                                                | 0.0005                 |
| Pu-240                                                                         | 7.68E-06                     | 4.85E-06                                                | 0.0004                 |
| Pu-241                                                                         | 2.07E-04                     | 2.41E-06                                                | 0.0002                 |
| U-238                                                                          | 2.04E-05                     | 1.18E-06                                                | 0.0001                 |
| Co-60                                                                          | 8.49E-06                     | 5.96E-07                                                | 0.00005                |
| Np-237                                                                         | 1.53E-06                     | 5.11E-07                                                | 0.00004                |
| Ra-226                                                                         | 3.01E-07                     | 1.35E-07                                                | 0.00001                |
| F-18                                                                           | 3.60E-02                     | 1.17E-07                                                | 0.00001                |
| Cm-244                                                                         | 2.78E-07                     | 9.05E-08                                                | 0.00001                |
| Ra-228                                                                         | 3.01E-07                     | 7.14E-08                                                | 0.00001                |
| Nb-94                                                                          | 2.42E-07                     | 6.67E-08                                                | 0.00001                |
| Sn-126                                                                         | 1.70E-07                     | 6.42E-08                                                | 0.000005               |
| U-235                                                                          | 9.12E-07                     | 6.16E-08                                                | 0.000005               |
| U-236                                                                          | 3.01E-08                     | 2.82E-08                                                | 0.000002               |
| Cs-134                                                                         | 4.31E-07                     | 2.00E-08                                                | 0.000002               |
| Eu-154                                                                         | 3.55E-07                     | 1.81E-08                                                | 0.000001               |
| Ru-106                                                                         | 3.04E-06                     | 1.07E-08                                                | 0.000001               |
| Y-90                                                                           | 4.78E-04                     | 1.02E-08                                                | 0.000001               |
| Sb-125                                                                         | 1.18E-06                     | 8.33E-09                                                | 0.000001               |
| Pu-242                                                                         | 1.38E-08                     | 8.27E-09                                                | 0.000001               |
| Tc-99                                                                          | 4.09E-07                     | 6.13E-09                                                | 0.0000005              |
| Pb-212                                                                         | 8.43E-07                     | 1.42E-09                                                | 0.0000001              |
| Th-231                                                                         | 2.12E-04                     | 6.90E-10                                                | 0.0000001              |
| U-233                                                                          | 3.47E-10                     | 3.95E-10                                                | 0.00000003             |
| Pm-147                                                                         | 2.89E-06                     | 2.74E-10                                                | 0.00000002             |
| Pa-233                                                                         | 1.42E-06                     | 2.47E-10                                                | 0.00000002             |
| Zr-95                                                                          | 1.22E-07                     | 2.11E-10                                                | 0.00000002             |
| Sm-151                                                                         | 2.89E-06                     | 1.89E-10                                                | 0.00000001             |
| Eu-155                                                                         | 1.18E-07                     | 1.81E-10                                                | 0.00000001             |
| Nb-95                                                                          | 3.63E-07                     | 1.77E-10                                                | 0.00000001             |
| U-232                                                                          | 2.23E-10                     | 1.72E-10                                                | 0.00000001             |
| Sb-126                                                                         | 1.70E-07                     | 1.14E-10                                                | 0.00000001             |
| Se-79                                                                          | 4.90E-09                     | 8.67E-11                                                | 0.00000001             |
| Ce-144                                                                         | 2.00E-08                     | 3.68E-11                                                | 0.000000003            |
| C-14                                                                           | 7.10E-09                     | 1.67E-12                                                | 0.0000000001           |
| Ni-63                                                                          | 5.62E-09                     | 1.33E-12                                                | 0.0000000001           |
| Y-91                                                                           | 7.98E-10                     | 3.08E-13                                                | 0.00000000002          |
| Sr-89                                                                          | 4.12E-10                     | 2.19E-13                                                | 0.00000000002          |
| Ru-103                                                                         | 5.11E-10                     | 2.05E-13                                                | 0.00000000002          |
| Ag-110m                                                                        | 1.48E-11                     | 1.70E-13                                                | 0.00000000001          |
| Th-232                                                                         | 4.79E-14                     | 4.16E-14                                                | 0.000000000003         |
| Ni-59                                                                          | 5.76E-11                     | 6.73E-15                                                | 0.000000000001         |
| Ce-141                                                                         | 4.94E-11                     | 5.76E-15                                                | 0.0000000000004        |
| Sn-123                                                                         | 6.66E-12                     | 5.09E-15                                                | 0.0000000000004        |
| Pm-148m                                                                        | 1.90E-12                     | 3.12E-15                                                | 0.00000000000002       |
| Pr-144                                                                         | 2.00E-08                     | 4.22E-16                                                | 0.000000000000003      |
| Te-127                                                                         | 1.04E-11                     | 1.22E-17                                                | 0.0000000000000001     |
| Cm-242                                                                         | 1.89E-16                     | 9.83E-18                                                | 0.0000000000000001     |
| Tl-208                                                                         | 1.41E-06                     | 8.15E-18                                                | 0.0000000000000001     |
| Rh-106                                                                         | 1.19E-08                     | 2.01E-18                                                | 0.00000000000000002    |
| Te-129                                                                         | 1.05E-12                     | 3.43E-19                                                | 0.000000000000000003   |
| <b>TOTAL</b>                                                                   | <b>2.09E+02</b>              | <b>1.30E-02</b>                                         | <b>100.00%</b>         |