Table of Contents

<table>
<thead>
<tr>
<th>Part I: Mixture Sums and Single Radionuclide Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dose Conversion Factor (and Related) Parameter Summary ... 2</td>
</tr>
<tr>
<td>Site-Specific Parameter Summary ................................. 5</td>
</tr>
<tr>
<td>Summary of Pathway Selections ........................................ 35</td>
</tr>
<tr>
<td>Contaminated Zone and Total Dose Summary ........................ 36</td>
</tr>
<tr>
<td>Total Dose Components</td>
</tr>
<tr>
<td>Time = 0.000E+00 .................................................. 37</td>
</tr>
<tr>
<td>Time = 1.000E+00 .................................................. 38</td>
</tr>
<tr>
<td>Time = 3.000E+00 .................................................. 39</td>
</tr>
<tr>
<td>Time = 6.000E+00 .................................................. 40</td>
</tr>
<tr>
<td>Time = 1.200E+01 .................................................. 41</td>
</tr>
<tr>
<td>Time = 3.000E+01 .................................................. 42</td>
</tr>
<tr>
<td>Time = 7.500E+01 .................................................. 43</td>
</tr>
<tr>
<td>Time = 1.750E+02 .................................................. 44</td>
</tr>
<tr>
<td>Time = 4.200E+02 .................................................. 45</td>
</tr>
<tr>
<td>Time = 9.700E+02 .................................................. 46</td>
</tr>
<tr>
<td>Dose/Source Ratios Summed Over All Pathways ................. 47</td>
</tr>
<tr>
<td>Single Radionuclide Soil Guidelines ............................... 47</td>
</tr>
<tr>
<td>Dose Per Nuclide Summed Over All Pathways ...................... 48</td>
</tr>
<tr>
<td>Soil Concentration Per Nuclide ..................................... 48</td>
</tr>
<tr>
<td>Run Time Information ................................................ 49</td>
</tr>
</tbody>
</table>
### Dose Conversion Factor (and Related) Parameter Summary

**Current Library:** PGR 12  
**Default Library:** PGR 12

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>Current Value</th>
<th>Default Value</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCSF</td>
<td>DCF's for external ground radiation, (nrem/yr)/(pCi/g)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCSF</td>
<td>Ac-227  (Source: PGR 12)</td>
<td>4.951E-04</td>
<td>4.951E-04</td>
<td>DCFEXT( 1)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Ba-137m  (Source: PGR 12)</td>
<td>3.606E+00</td>
<td>3.606E+00</td>
<td>DCFEXT( 2)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Bi-211  (Source: PGR 12)</td>
<td>2.559E-01</td>
<td>2.559E-01</td>
<td>DCFEXT( 3)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Cs-137  (Source: PGR 12)</td>
<td>7.510E-04</td>
<td>7.510E-04</td>
<td>DCFEXT( 4)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Fr-223  (Source: PGR 12)</td>
<td>1.906E-01</td>
<td>1.906E-01</td>
<td>DCFEXT( 5)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pa-231  (Source: PGR 12)</td>
<td>1.906E-01</td>
<td>1.906E-01</td>
<td>DCFEXT( 6)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pb-211  (Source: PGR 12)</td>
<td>3.064E-01</td>
<td>3.064E-01</td>
<td>DCFEXT( 7)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Po-211  (Source: PGR 12)</td>
<td>4.764E-02</td>
<td>4.764E-02</td>
<td>DCFEXT( 8)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Po-215  (Source: PGR 12)</td>
<td>1.016E-03</td>
<td>1.016E-03</td>
<td>DCFEXT( 9)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pu-239  (Source: PGR 12)</td>
<td>2.952E-04</td>
<td>2.952E-04</td>
<td>DCFEXT(10)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Ra-223  (Source: PGR 12)</td>
<td>6.034E-01</td>
<td>6.034E-01</td>
<td>DCFEXT(11)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Rn-222  (Source: PGR 12)</td>
<td>3.083E-01</td>
<td>3.083E-01</td>
<td>DCFEXT(12)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Sr-90  (Source: PGR 12)</td>
<td>7.043E-04</td>
<td>7.043E-04</td>
<td>DCFEXT(13)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Th-227  (Source: PGR 12)</td>
<td>5.212E-01</td>
<td>5.212E-01</td>
<td>DCFEXT(14)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Th-229  (Source: PGR 12)</td>
<td>3.643E-02</td>
<td>3.643E-02</td>
<td>DCFEXT(15)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Tl-207  (Source: PGR 12)</td>
<td>1.080E-02</td>
<td>1.080E-02</td>
<td>DCFEXT(16)</td>
</tr>
<tr>
<td>DCSF</td>
<td>U-235  (Source: PGR 12)</td>
<td>7.211E-01</td>
<td>7.211E-01</td>
<td>DCFEXT(17)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Y-90  (Source: PGR 12)</td>
<td>2.391E-02</td>
<td>2.391E-02</td>
<td>DCFEXT(18)</td>
</tr>
</tbody>
</table>

---

### Dose Conversion Factors for Inhalation, nrem/pCi:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>Current Value</th>
<th>Default Value</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCSF</td>
<td>Dose conversion factors for inhalation, nrem/pCi:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCSF</td>
<td>Ac-227+D</td>
<td>6.724E+00</td>
<td>6.724E+00</td>
<td>DCF2(1)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Ca-137+D</td>
<td>3.190E+05</td>
<td>3.190E+05</td>
<td>DCF2(2)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pa-231</td>
<td>1.280E+00</td>
<td>1.280E+00</td>
<td>DCF2(3)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pu-239</td>
<td>4.290E-01</td>
<td>4.290E-01</td>
<td>DCF2(4)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Sr-90+D</td>
<td>1.308E-03</td>
<td>1.308E-03</td>
<td>DCF2(5)</td>
</tr>
<tr>
<td>DCSF</td>
<td>U-235+D</td>
<td>1.230E-01</td>
<td>1.230E-01</td>
<td>DCF2(6)</td>
</tr>
</tbody>
</table>

---

### Dose Conversion Factors for Ingestion, nrem/pCi:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>Current Value</th>
<th>Default Value</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCSF</td>
<td>Dose conversion factors for ingestion, nrem/pCi:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCSF</td>
<td>Ac-227+D</td>
<td>1.480E-02</td>
<td>1.480E-02</td>
<td>DCF3(1)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Ca-137+D</td>
<td>5.000E-05</td>
<td>5.000E-05</td>
<td>DCF3(2)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pa-231</td>
<td>1.060E-02</td>
<td>1.060E-02</td>
<td>DCF3(3)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Pu-239</td>
<td>3.540E-03</td>
<td>3.540E-03</td>
<td>DCF3(4)</td>
</tr>
<tr>
<td>DCSF</td>
<td>Sr-90+D</td>
<td>1.528E-04</td>
<td>1.528E-04</td>
<td>DCF3(5)</td>
</tr>
<tr>
<td>DCSF</td>
<td>U-235+D</td>
<td>2.673E-04</td>
<td>2.673E-04</td>
<td>DCF3(6)</td>
</tr>
</tbody>
</table>

---

Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

RESRAD-OFFSITE, Version 3.1  
Ts Limit = 30 days  
10/26/2016 19:27 Page 2  
Parent Dose Report  
Title: RESRAD-OFFSITE Default Parameters  
File: AREA 4.2 COLLECTOR PU.ROF
### Dose Conversion Factor (and Related) Parameter Summary (continued)

Current Library: RESRAD Default Transfer factors

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Default</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil to plant transfer factors:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TF [ Ac-227+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(1,1)</td>
</tr>
<tr>
<td>TF [ Ac-227+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(1,2)</td>
</tr>
<tr>
<td>TF [ Ac-227+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(1,3)</td>
</tr>
<tr>
<td>TF [ Ac-227+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(1,4)</td>
</tr>
<tr>
<td>TF [ Cs-137+D, plant/soil concentration ratio, dimensionless ]</td>
<td>4.000E-02</td>
<td>4.000E-02</td>
<td>RTF(2,1)</td>
</tr>
<tr>
<td>TF [ Cs-137+D, plant/soil concentration ratio, dimensionless ]</td>
<td>4.000E-02</td>
<td>4.000E-02</td>
<td>RTF(2,2)</td>
</tr>
<tr>
<td>TF [ Cs-137+D, plant/soil concentration ratio, dimensionless ]</td>
<td>4.000E-02</td>
<td>4.000E-02</td>
<td>RTF(2,3)</td>
</tr>
<tr>
<td>TF [ Cs-137+D, plant/soil concentration ratio, dimensionless ]</td>
<td>4.000E-02</td>
<td>4.000E-02</td>
<td>RTF(2,4)</td>
</tr>
<tr>
<td>TF [ Pa-231, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-02</td>
<td>1.000E-02</td>
<td>RTF(3,1)</td>
</tr>
<tr>
<td>TF [ Pa-231, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-02</td>
<td>1.000E-02</td>
<td>RTF(3,2)</td>
</tr>
<tr>
<td>TF [ Pa-231, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-02</td>
<td>1.000E-02</td>
<td>RTF(3,3)</td>
</tr>
<tr>
<td>TF [ Pa-231, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-02</td>
<td>1.000E-02</td>
<td>RTF(3,4)</td>
</tr>
<tr>
<td>TF [ Pu-239, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-03</td>
<td>1.000E-03</td>
<td>RTF(4,1)</td>
</tr>
<tr>
<td>TF [ Pu-239, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-03</td>
<td>1.000E-03</td>
<td>RTF(4,2)</td>
</tr>
<tr>
<td>TF [ Pu-239, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-03</td>
<td>1.000E-03</td>
<td>RTF(4,3)</td>
</tr>
<tr>
<td>TF [ Pu-239, plant/soil concentration ratio, dimensionless ]</td>
<td>1.000E-03</td>
<td>1.000E-03</td>
<td>RTF(4,4)</td>
</tr>
<tr>
<td>TF [ Sr-90+D, plant/soil concentration ratio, dimensionless ]</td>
<td>3.000E-01</td>
<td>3.000E-01</td>
<td>RTF(5,1)</td>
</tr>
<tr>
<td>TF [ Sr-90+D, plant/soil concentration ratio, dimensionless ]</td>
<td>3.000E-01</td>
<td>3.000E-01</td>
<td>RTF(5,2)</td>
</tr>
<tr>
<td>TF [ Sr-90+D, plant/soil concentration ratio, dimensionless ]</td>
<td>3.000E-01</td>
<td>3.000E-01</td>
<td>RTF(5,3)</td>
</tr>
<tr>
<td>TF [ Sr-90+D, plant/soil concentration ratio, dimensionless ]</td>
<td>3.000E-01</td>
<td>3.000E-01</td>
<td>RTF(5,4)</td>
</tr>
<tr>
<td>TF [ U-235+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(6,1)</td>
</tr>
<tr>
<td>TF [ U-235+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(6,2)</td>
</tr>
<tr>
<td>TF [ U-235+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(6,3)</td>
</tr>
<tr>
<td>TF [ U-235+D, plant/soil concentration ratio, dimensionless ]</td>
<td>2.500E-03</td>
<td>2.500E-03</td>
<td>RTF(6,4)</td>
</tr>
<tr>
<td>Intake to meat/milk transfer factors:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TF [ Ac-227+D, beef/livestock-intake ratio, (pCi/kg)/pCi/d ]</td>
<td>2.000E-05</td>
<td>2.000E-05</td>
<td>I_M[1,1]</td>
</tr>
<tr>
<td>TF [ Ac-227+D, milk/livestock-intake ratio, (pCi/L)/pCi/d ]</td>
<td>2.000E-05</td>
<td>2.000E-05</td>
<td>I_M[1,2]</td>
</tr>
<tr>
<td>TF [ Ca-137+D, beef/livestock-intake ratio, (pCi/kg)/pCi/d ]</td>
<td>3.000E-02</td>
<td>3.000E-02</td>
<td>I_M[2,1]</td>
</tr>
<tr>
<td>TF [ Ca-137+D, milk/livestock-intake ratio, (pCi/L)/pCi/d ]</td>
<td>8.000E-03</td>
<td>8.000E-03</td>
<td>I_M[2,2]</td>
</tr>
<tr>
<td>TF [ Pa-231, beef/livestock-intake ratio, (pCi/kg)/pCi/d ]</td>
<td>5.000E-03</td>
<td>5.000E-03</td>
<td>I_M[3,1]</td>
</tr>
<tr>
<td>TF [ Pa-231, milk/livestock-intake ratio, (pCi/L)/pCi/d ]</td>
<td>5.000E-06</td>
<td>5.000E-06</td>
<td>I_M[3,2]</td>
</tr>
<tr>
<td>TF [ Pu-239, beef/livestock-intake ratio, (pCi/kg)/pCi/d ]</td>
<td>1.000E-04</td>
<td>1.000E-04</td>
<td>I_M[4,1]</td>
</tr>
<tr>
<td>TF [ Pu-239, milk/livestock-intake ratio, (pCi/L)/pCi/d ]</td>
<td>1.000E-06</td>
<td>1.000E-06</td>
<td>I_M[4,2]</td>
</tr>
</tbody>
</table>
### Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>Current Value</th>
<th>Default Value</th>
<th>Parameter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF</td>
<td>Sr-90+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)</td>
<td>8.000E-03</td>
<td>8.000E-03</td>
<td>I_M(5,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Sr-90+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)</td>
<td>2.000E-03</td>
<td>2.000E-03</td>
<td>I_M(5,2)</td>
</tr>
<tr>
<td>TF</td>
<td>U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)</td>
<td>3.400E-04</td>
<td>3.400E-04</td>
<td>I_M(6,1)</td>
</tr>
<tr>
<td>TF</td>
<td>U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)</td>
<td>6.000E-04</td>
<td>6.000E-04</td>
<td>I_M(6,2)</td>
</tr>
<tr>
<td>TF</td>
<td>Bioaccumulation factors, fresh water, L/kg:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TF</td>
<td>Ac-227+D , fish</td>
<td>1.500E+01</td>
<td>1.500E+01</td>
<td>BIOFA(1,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Ac-227+D , crustacea and mollusks</td>
<td>1.000E+03</td>
<td>1.000E+03</td>
<td>BIOFA(1,2)</td>
</tr>
<tr>
<td>TF</td>
<td>Cs-137+D , fish</td>
<td>2.000E+03</td>
<td>2.000E+03</td>
<td>BIOFA(2,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Cs-137+D , crustacea and mollusks</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>BIOFA(2,2)</td>
</tr>
<tr>
<td>TF</td>
<td>Pa-231 , fish</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>BIOFA(3,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Pa-231 , crustacea and mollusks</td>
<td>1.100E+02</td>
<td>1.100E+02</td>
<td>BIOFA(3,2)</td>
</tr>
<tr>
<td>TF</td>
<td>Pu-239 , fish</td>
<td>3.000E+01</td>
<td>3.000E+01</td>
<td>BIOFA(4,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Pu-239 , crustacea and mollusks</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>BIOFA(4,2)</td>
</tr>
<tr>
<td>TF</td>
<td>Sr-90+D , fish</td>
<td>6.000E+01</td>
<td>6.000E+01</td>
<td>BIOFA(5,1)</td>
</tr>
<tr>
<td>TF</td>
<td>Sr-90+D , crustacea and mollusks</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>BIOFA(5,2)</td>
</tr>
<tr>
<td>TF</td>
<td>U-235+D , fish</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>BIOFA(6,1)</td>
</tr>
<tr>
<td>TF</td>
<td>U-235+D , crustacea and mollusks</td>
<td>6.000E+01</td>
<td>6.000E+01</td>
<td>BIOFA(6,2)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exposure duration</td>
<td>1.00E+00</td>
<td>3.00E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Basic radiation dose limit (mrem/yr)</td>
<td>2.50E+01</td>
<td>2.50E+01</td>
<td>---</td>
</tr>
<tr>
<td>CONC</td>
<td>Initial principal radionuclide (pCi/g): Cs-137</td>
<td>4.47E-01</td>
<td>0.00E+00</td>
<td>---</td>
</tr>
<tr>
<td>CONC</td>
<td>Initial principal radionuclide (pCi/g): Pu-239</td>
<td>3.07E-01</td>
<td>0.00E+00</td>
<td>---</td>
</tr>
<tr>
<td>CONC</td>
<td>Initial principal radionuclide (pCi/g): Sr-90</td>
<td>2.25E-01</td>
<td>0.00E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for Ac-227</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for Cs-137</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for Pa-231</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for Pu-239</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for Sr-90</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td></td>
<td>VDEP</td>
<td>Deposition velocity for U-235</td>
<td>1.00E-03</td>
<td>1.00E-03</td>
</tr>
<tr>
<td>DCLR</td>
<td>Distribution coefficients for Cs-137</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCLR</td>
<td>Contaminated zone (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Saturated zone (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td>4.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td>2.80E+02</td>
<td>4.60E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Initial Leach rate (/yr) Cs-137</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
<td>5.462E-04</td>
</tr>
<tr>
<td>DCLR</td>
<td>Distribution coefficients for Pu-239</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCLR</td>
<td>Contaminated zone (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Saturated zone (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td>3.00E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td>2.60E+03</td>
<td>2.00E+03</td>
<td>---</td>
</tr>
<tr>
<td>DCLR</td>
<td>Initial Leach rate (/yr) Pu-239</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
<td>5.884E-05</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCIR</td>
<td>Distribution coefficients for Sr-90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCIR</td>
<td>Contaminated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Saturated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (5)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Initial Leach rate (/yr) Sr-90</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>2.890E-02</td>
</tr>
<tr>
<td>DCIR</td>
<td>Distribution coefficients for progeny Ao-227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCIR</td>
<td>Contaminated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Saturated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (1)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Initial Leach rate (/yr) Ao-227</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>8.793E-05</td>
</tr>
<tr>
<td>DCIR</td>
<td>Distribution coefficients for progeny Pa-231</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCIR</td>
<td>Contaminated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Saturated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (3)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Initial Leach rate (/yr) Pa-231</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>7.500E-05</td>
</tr>
<tr>
<td>DCIR</td>
<td>Distribution coefficients for progeny U-235</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCIR</td>
<td>Contaminated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Unsaturated zone 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Saturated zone (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE01C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Sediment in surface water body (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 1 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 2 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 3 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Agricultural area 4 (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Offsite Dwelling (cm**3/g)</td>
<td></td>
<td></td>
<td>DCE10C (6)</td>
</tr>
<tr>
<td>DCIR</td>
<td>Initial Leach rate (/yr) U-235</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>4.357E-03</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Input</td>
<td>Default</td>
<td>computed</td>
</tr>
<tr>
<td></td>
<td>Bearing of X axis (clockwise angle N--&gt;X in degrees)</td>
<td>9.000E+01</td>
<td>9.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Length of Primary contamination in X Direction</td>
<td>9.000E+01</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Length of Primary contamination in Y Direction</td>
<td>1.120E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Agricultural Area 1</td>
<td>-3.580E+02</td>
<td>3.438E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Agricultural Area 1</td>
<td>5.420E+02</td>
<td>6.563E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Agricultural Area 1</td>
<td>-1.100E+02</td>
<td>2.340E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Agricultural Area 1</td>
<td>3.900E+02</td>
<td>2.660E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Agricultural Area 2</td>
<td>-3.580E+02</td>
<td>3.438E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Agricultural Area 2</td>
<td>5.420E+02</td>
<td>6.563E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Agricultural Area 2</td>
<td>-1.100E+02</td>
<td>2.680E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Agricultural Area 2</td>
<td>3.900E+02</td>
<td>3.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Agricultural Area 3</td>
<td>-3.580E+02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Agricultural Area 3</td>
<td>5.420E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Agricultural Area 3</td>
<td>-1.100E+02</td>
<td>4.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Agricultural Area 3</td>
<td>3.900E+02</td>
<td>5.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Agricultural Area 4</td>
<td>-3.580E+02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Agricultural Area 4</td>
<td>5.420E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Agricultural Area 4</td>
<td>-1.100E+02</td>
<td>3.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Agricultural Area 4</td>
<td>3.900E+02</td>
<td>4.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Dwelling Area</td>
<td>0.000E+00</td>
<td>3.438E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Dwelling Area</td>
<td>1.000E+00</td>
<td>6.563E+01</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Dwelling Area</td>
<td>0.000E+00</td>
<td>1.340E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Dwelling Area</td>
<td>1.000E+00</td>
<td>1.660E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller X coordinate of Surface water body</td>
<td>-3.580E+02</td>
<td>-1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger X coordinate of Surface water body</td>
<td>7.420E+02</td>
<td>2.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Smaller Y coordinate of Surface water body</td>
<td>-2.100E+02</td>
<td>5.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>LYOT</td>
<td>Larger Y coordinate of Surface water body</td>
<td>-1.100E+02</td>
<td>8.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Storage times of contaminated foodstuffs (days):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOR</td>
<td>Surface water</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Well water</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Fruits, non-leafy vegetables, and grain</td>
<td>1.400E+01</td>
<td>1.400E+01</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Leafy vegetables</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Livestock feed - pasture or silage</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Livestock feed - grain</td>
<td>4.500E+01</td>
<td>4.500E+01</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Meat and poultry</td>
<td>2.000E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Milk</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Fish</td>
<td>7.000E+00</td>
<td>7.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>STOR</td>
<td>Crustacea and mollusks</td>
<td>7.000E+00</td>
<td>7.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>3.000E+00</td>
<td>3.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>6.000E+00</td>
<td>6.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>1.200E+01</td>
<td>1.200E+01</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>3.000E+01</td>
<td>3.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>7.500E+01</td>
<td>7.500E+01</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>1.750E+02</td>
<td>1.750E+02</td>
<td>---</td>
</tr>
<tr>
<td>Menu</td>
<td>Parameter</td>
<td>User</td>
<td>RESRAD</td>
<td>Parameter</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------</td>
<td>---------</td>
<td>-----------</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>4.200E+02</td>
<td>4.200E+02</td>
<td>---</td>
</tr>
<tr>
<td>TIME</td>
<td>Times at which dose/risk are to be reported (yr)</td>
<td>9.700E+02</td>
<td>9.700E+02</td>
<td>---</td>
</tr>
<tr>
<td>SITE</td>
<td>Precipitation (m/yr)</td>
<td>1.160E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SITE</td>
<td>Average annual wind speed (m/sec)</td>
<td>2.278E+00</td>
<td>2.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Area of primary contamination (m**2)</td>
<td>1.008E+04</td>
<td>1.008E+04</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Length parallel to aquifer flow (m)</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Depth of soil mixing layer (m)</td>
<td>1.500E+01</td>
<td>1.500E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Deposition velocity of dust (m)</td>
<td>1.000E+03</td>
<td>1.000E+03</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Irrigation (m/yr)</td>
<td>5.875E+02</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Evapotranspiration coefficient</td>
<td>6.500E+01</td>
<td>5.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Runoff coefficient</td>
<td>4.100E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Rainfall Erosion Index</td>
<td>1.600E+02</td>
<td>1.600E+02</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Erosion factor of prim. contamination</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Cropping-management factor of primary contamination</td>
<td>3.000E+03</td>
<td>3.000E+03</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Conservation practice factor of prim. contamination</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Thickness of contaminated zone (m)</td>
<td>1.000E+00</td>
<td>2.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Contaminated zone total porosity</td>
<td>3.600E+01</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Computed erosion rate of contaminated zone (m/yr)</td>
<td>0.000E+00</td>
<td>1.147E+05</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Density of contaminated zone (g/cm**3)</td>
<td>1.700E+00</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Soil erodibility factor of contaminated zone</td>
<td>0.000E+00</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Contaminated zone field capacity</td>
<td>2.000E+01</td>
<td>3.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Contaminated zone b parameter</td>
<td>1.400E+00</td>
<td>5.300E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Contaminated zone hydraulic conductivity (m/yr)</td>
<td>1.400E+00</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Contaminated zone effective porosity</td>
<td>2.500E+01</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Longitudinal dispersivity of prime contamination (m)</td>
<td>5.000E+02</td>
<td>5.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Cover depth (m)</td>
<td>not used</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Total porosity of the cover material</td>
<td>not used</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Computed erosion rate of cover material (m/yr)</td>
<td>not used</td>
<td>1.147E-05</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Density of cover material (g/cm**3)</td>
<td>not used</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Soil erodibility factor of cover</td>
<td>4.000E+01</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>PRCZ</td>
<td>Volumetric water content of the cover material</td>
<td>not used</td>
<td>5.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Areal extent of Agricultural Area 1 (m**2)</td>
<td>4.500E+05</td>
<td>1.000E+03</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Fraction of Agri. Area 1 directly over the c.z.</td>
<td>2.240E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Evapotranspiration coefficient in Agri. Area 1</td>
<td>6.500E+01</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Runoff coefficient in Agricultural Area 1</td>
<td>4.100E+01</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Mixing depth/plow layer of Agricultural Area 1</td>
<td>1.500E+01</td>
<td>1.500E+01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Water filled porosity of soil in Agri. Area 1</td>
<td>3.000E-01</td>
<td>3.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Computed erosion rate of soil in Agri. Area 1</td>
<td>0.000E+00</td>
<td>1.147E-05</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Dry Bulk Density of soil in Agricultural Area 1</td>
<td>1.700E+00</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Soil erodibility factor of Agricultural Area 1</td>
<td>0.000E+00</td>
<td>4.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Slope-length-steepness factor, Agricultural Area 1</td>
<td>4.000E+01</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Cropping-management factor of Agricultural Area 1</td>
<td>3.000E-03</td>
<td>3.000E-03</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Conservation practice factor of Agricultural Area 1</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AGR</td>
<td>Total porosity of soil in Agri. Area 1</td>
<td>not used</td>
<td>4.000E-01</td>
<td>---</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Input</td>
<td>Default</td>
<td>computed</td>
</tr>
</tbody>
</table>

| AGRI | Areal extent of Agricultural Area 2 (m²)**2 | 4.500E+05 | 1.000E+03 | --- | AREA0(2) |
| AGRI | Fraction of Agri. Area 2 directly over the c.z. | 2.240E-02 | 0.000E+00 | --- | FAREA PLANT(2) |
| AGRI | Evapotranspiration coefficient in Agri. Area 2 | 6.500E-01 | 5.000E-01 | --- | EVAPTRH(2) |
| AGRI | Runoff coefficient in Agricultural Area 2 | 4.100E-01 | 2.000E-01 | --- | RUNKF(2) |
| AGRI | Mixing depth/plow layer of Agricultural Area 2 | 1.500E-01 | 1.500E-01 | --- | DPTMRIXG(2) |
| AGRI | Water filled porosity of soil in Agri. Area 2 | 3.000E-01 | 3.000E-01 | --- | TMOF(2) |
| AGRI | Computed erosion rate of soil in Agri. Area 2 | 0.000E+00 | 1.147E-05 | --- | ERGON(2) |
| AGRI | Dry Bulk Density of soil in Agricultural Area 2 | 1.700E+00 | 1.500E+00 | --- | RHOB(2) |
| AGRI | Soil erodibility factor of Agricultural Area 2 | 0.000E+00 | 4.000E-01 | --- | ERODIBILITY(2) |
| AGRI | Slope-length-steepness factor, Agricultural Area 2 | 4.000E-01 | 4.000E-01 | --- | SLPLENSTP(2) |
| AGRI | Cropping-management factor of Agricultural Area 2 | 3.000E-03 | 3.000E-03 | --- | CRPMANO(2) |
| AGRI | Conservation practice factor of Agricultural Area 2 | 1.000E+00 | 1.000E+00 | --- | CONFRAC(2) |
| AGRI | Total porosity of soil in Agri. Area 2 | not used | 4.000E-01 | --- | TPOF(2) |
| AGRI | Areal extent of Agricultural Area 3 (m²)**2 | 4.500E+05 | 1.000E+04 | --- | AREA0(3) |
| AGRI | Fraction of Agri. Area 3 directly over the c.z. | 2.240E-02 | 0.000E+00 | --- | FAREA PLANT(3) |
| AGRI | Evapotranspiration coefficient in Agri. Area 3 | 6.200E-01 | 5.000E-01 | --- | EVAPTRH(3) |
| AGRI | Runoff coefficient in Agricultural Area 3 | 4.100E-01 | 2.000E-01 | --- | RUNKF(3) |
| AGRI | Mixing depth/plow layer of Agricultural Area 3 | 1.500E-01 | 1.500E-01 | --- | DPTMRIXG(3) |
| AGRI | Water filled porosity of soil in Agri. Area 3 | 3.000E-01 | 3.000E-01 | --- | TMOF(3) |
| AGRI | Computed erosion rate of soil in Agri. Area 3 | 0.000E+00 | 1.147E-05 | --- | ERGON(3) |
| AGRI | Dry Bulk Density of soil in Agricultural Area 3 | 1.700E+00 | 1.500E+00 | --- | RHOB(3) |
| AGRI | Soil erodibility factor of Agricultural Area 3 | 0.000E+00 | 4.000E-01 | --- | ERODIBILITY(3) |
| AGRI | Slope-length-steepness factor, Agricultural Area 3 | 4.000E-01 | 4.000E-01 | --- | SLPLENSTP(3) |
| AGRI | Cropping-management factor of Agricultural Area 3 | 3.000E-03 | 3.000E-03 | --- | CRPMANO(3) |
| AGRI | Conservation practice factor of Agricultural Area 3 | 1.000E+00 | 1.000E+00 | --- | CONFRAC(3) |
| AGRI | Total porosity of soil in Agri. Area 3 | not used | 4.000E-01 | --- | TPOF(3) |
| AGRI | Areal extent of Agricultural Area 4 (m²)**2 | 4.500E+05 | 1.000E+04 | --- | AREA0(4) |
| AGRI | Fraction of Agri. Area 4 directly over the c.z. | 2.240E-02 | 0.000E+00 | --- | FAREA PLANT(4) |
| AGRI | Evapotranspiration coefficient in Agri. Area 4 | 6.200E-01 | 5.000E-01 | --- | EVAPTRH(4) |
| AGRI | Runoff coefficient in Agricultural Area 4 | 4.100E-01 | 2.000E-01 | --- | RUNKF(4) |
| AGRI | Mixing depth/plow layer of Agricultural Area 4 | 1.500E-01 | 1.500E-01 | --- | DPTMRIXG(4) |
| AGRI | Water filled porosity of soil in Agri. Area 4 | 3.000E-01 | 3.000E-01 | --- | TMOF(4) |
| AGRI | Computed erosion rate of soil in Agri. Area 4 | 0.000E+00 | 1.147E-05 | --- | ERGON(4) |
| AGRI | Dry Bulk Density of soil in Agricultural Area 4 | 1.700E+00 | 1.500E+00 | --- | RHOB(4) |
| AGRI | Soil erodibility factor of Agricultural Area 4 | 0.000E+00 | 4.000E-01 | --- | ERODIBILITY(4) |
| AGRI | Slope-length-steepness factor, Agricultural Area 4 | 4.000E-01 | 4.000E-01 | --- | SLPLENSTP(4) |
| AGRI | Cropping-management factor of Agricultural Area 4 | 3.000E-03 | 3.000E-03 | --- | CRPMANO(4) |
| AGRI | Conservation practice factor of Agricultural Area 4 | 1.000E+00 | 1.000E+00 | --- | CONFRAC(4) |
| AGRI | Total porosity of soil in Agri. Area 4 | not used | 4.000E-01 | --- | TPOF(4) |

<p>| DWEL | Areal extent of Offsite dwelling site (m²)**2 | 1.000E+00 | 1.000E+03 | --- | AREAOHDEWELL |
| DWEL | Evapotranspiration coefficient in dwelling (Offsite) | 6.200E-01 | 5.000E-01 | --- | EVAPTRHDEWELL |
| DWEL | Runoff coefficient in Offsite dwelling site | 4.100E-01 | 2.000E-01 | --- | RUNKFDDEWELL |
| DWEL | Mixing depth of Offsite dwelling site | 1.500E-01 | 1.500E-01 | --- | DPTMRIXGDEWELL |
| DWEL | Water filled porosity of soil in Offsite dwelling | 3.000E-01 | 3.000E-01 | --- | TMOFDEWELL |
| DWEL | Computed erosion rate of soil in Offsite dwelling | 0.000E+00 | 0.000E+00 | --- | ERGONDEWELL |
| DWEL | Dry Bulk Density of soil in Offsite dwelling site | 1.700E+00 | 1.500E+00 | --- | RHOBDEWELL |</p>
<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWEL</td>
<td>Soil erodibility factor of soil in Dwelling site</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>ERODIBILITYDowell</td>
</tr>
<tr>
<td>DWEL</td>
<td>Slope-length-steepness factor of Dwelling site</td>
<td>4.000E-01</td>
<td>4.000E-01</td>
<td>---</td>
<td>SLPENSTPDowell</td>
</tr>
<tr>
<td>DWEL</td>
<td>Cropping-management factor of Dwelling site</td>
<td>3.000E-03</td>
<td>3.000E-03</td>
<td>---</td>
<td>CRPMANGDowell</td>
</tr>
<tr>
<td>DWEL</td>
<td>Conservation practice factor of Offsite Dwelling site</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
<td>CONFRACDowell</td>
</tr>
<tr>
<td>DWEL</td>
<td>Total porosity of soil in Offsite Dwelling</td>
<td>not used</td>
<td>4.000E-01</td>
<td>---</td>
<td>TPOPDMowell</td>
</tr>
<tr>
<td>AINT</td>
<td>Dispersion Coefficients; 1 = Pasquill-Gifford</td>
<td>1</td>
<td>1</td>
<td>---</td>
<td>IDISSMOD</td>
</tr>
<tr>
<td>AINT</td>
<td>Population zone; 1 = Rural</td>
<td>1</td>
<td>1</td>
<td>---</td>
<td>IZONE</td>
</tr>
<tr>
<td>AINT</td>
<td>Release height, (m)</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
<td>AIRRELHT</td>
</tr>
<tr>
<td>AINT</td>
<td>Heat flux for buoyant plume (cal/s),</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>HEATFLX</td>
</tr>
<tr>
<td>AINT</td>
<td>Anemometer height, (m)</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
<td>ANH</td>
</tr>
<tr>
<td>AINT</td>
<td>Absolute temperature (Kelvin)</td>
<td>2.850E+02</td>
<td>2.850E+02</td>
<td>---</td>
<td>TABK</td>
</tr>
<tr>
<td>AINT</td>
<td>AM atmospheric mixing height (m)</td>
<td>4.000E+02</td>
<td>4.000E+02</td>
<td>---</td>
<td>AMIX</td>
</tr>
<tr>
<td>AINT</td>
<td>PM atmospheric mixing height (m)</td>
<td>1.600E+03</td>
<td>1.600E+03</td>
<td>---</td>
<td>PMIX</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Agricultural Area 1 above primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>AGRIELLEV(1)</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Agricultural Area 2 above primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>AGRIELLEV(2)</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Agricultural Area 3 above primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>AGRIELLEV(3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Agricultural Area 4 above primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>AGRIELLEV(4)</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Dwelling Site relative to primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DWELLELEV</td>
</tr>
<tr>
<td>AINT</td>
<td>Elevation of Surf.Wtr body relative to primary cont.</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>SMELEV</td>
</tr>
<tr>
<td></td>
<td>Joint frequency Meteorological data;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 1 (m/s)</td>
<td>7.500E-01</td>
<td>8.900E-01</td>
<td>---</td>
<td>WINDSPED(1)</td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 2 (m/s)</td>
<td>2.250E+00</td>
<td>2.460E+00</td>
<td>---</td>
<td>WINDSPED(2)</td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 3 (m/s)</td>
<td>4.500E+00</td>
<td>4.740E+00</td>
<td>---</td>
<td>WINDSPED(3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 4 (m/s)</td>
<td>7.500E+00</td>
<td>6.930E+00</td>
<td>---</td>
<td>WINDSPED(4)</td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 5 (m/s)</td>
<td>1.050E+01</td>
<td>9.610E+00</td>
<td>---</td>
<td>WINDSPED(5)</td>
</tr>
<tr>
<td>AINT</td>
<td>Upper limit for windspeed class 6 (m/s)</td>
<td>1.350E+01</td>
<td>1.252E+01</td>
<td>---</td>
<td>WINDSPED(6)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class A</td>
<td>1.000E-04</td>
<td>1.000E+00</td>
<td>---</td>
<td>DFREQ(1,1,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(1,2,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class C</td>
<td>1.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(1,3,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class D</td>
<td>6.950E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(1,4,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class E</td>
<td>1.983E-02</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(1,5,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class F</td>
<td>1.547E-02</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(1,6,1)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class A</td>
<td>2.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,1,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class B</td>
<td>5.600E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,2,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class C</td>
<td>1.660E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,3,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class D</td>
<td>2.274E-02</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,4,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class E</td>
<td>2.191E-02</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,5,1)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class F</td>
<td>2.400E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFREQ(2,6,1)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>5.100E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>1.030E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>1.810E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.506E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>7.710E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>6.100E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class A</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class B</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class C</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class D</td>
<td>7.200E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class E</td>
<td>1.092E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class F</td>
<td>6.760E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in N Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>8.300E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>1.810E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>2.296E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>7.050E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>2.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NNE Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>3.900E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,1,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>6.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,2,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>7.100E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,3,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>6.930E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,4,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>9.500E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,5,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(3,6,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NNE Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,1,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,2,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,3,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,4,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,5,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(4,6,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NNW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,1,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,2,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,3,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,4,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,5,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(5,6,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NE Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,1,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,2,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,3,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,4,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,5,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(6,6,2)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,1,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,2,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,3,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>6.290E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,4,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>6.860E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,5,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>4.060E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(1,6,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in ESE Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>3.900E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,1,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>1.220E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,2,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>2.500E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,3,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>1.785E-02</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,4,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>1.440E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,5,3)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>DFRQ(2,6,3)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Joint Frequency in NE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class A</td>
<td>3.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class B</td>
<td>6.600E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class C</td>
<td>7.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class D</td>
<td>4.430E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class E</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in NE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,6,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in NE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,6,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in NE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,1,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,2,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,3,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,4,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,5,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,6,3)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in NEK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class A</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class C</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class D</td>
<td>6.150E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class E</td>
<td>6.540E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class F</td>
<td>2.720E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in NEK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class A</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class B</td>
<td>6.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class C</td>
<td>1.180E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class D</td>
<td>1.227E-02</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class E</td>
<td>1.000E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,4)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class F</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,4)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Joint Frequency in ENE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>4.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>2.350E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ENE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ENE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ENE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ESE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>8.320E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>7.100E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>1.660E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ESE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>8.300E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>1.740E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>2.025E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>1.620E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>1.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
</tbody>
</table>
### Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

RESRAD-OFFSITE, Version 3.1  
**Tm Limit = 30 days**  
10/26/2016 19:27 Page 15

**Parent Dose Report**  
Title : RESRAD-OFFSITE Default Parameters  
File  : AREA 4.2 COLLECTOR PU.ROF

---

**Site-Specific Parameter Summary (continued)**

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Joint Frequency in E Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class A</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class B</td>
<td>3.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class C</td>
<td>5.100E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class D</td>
<td>5.240E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class E</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,5)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in E Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,6,5)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in E Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,5)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,6,5)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class B</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class C</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class D</td>
<td>1.050E-02</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class E</td>
<td>7.760E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 1 and stability class F</td>
<td>6.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,6)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class A</td>
<td>5.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class B</td>
<td>1.640E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class C</td>
<td>3.500E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class D</td>
<td>3.529E-02</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class E</td>
<td>4.480E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,6)</td>
</tr>
<tr>
<td>A1RT</td>
<td>for wind speed class 2 and stability class F</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,6)</td>
</tr>
</tbody>
</table>
## Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>9.800E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>1.490E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>1.760E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.809E-02</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,6,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,6,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in ESK Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,1,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,2,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,3,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,4,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,5,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,6,6)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>1.700E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>9.060E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>4.280E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>4.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>1.100E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>2.900E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>4.300E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>6.300E-02</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>6.540E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,7)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>1.500E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,7)</td>
</tr>
<tr>
<td>Menu</td>
<td>Parameter</td>
<td>User</td>
<td>RESRAD</td>
<td>Parameter</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------</td>
<td>--------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class A</td>
<td>5.920E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class B</td>
<td>5.900E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class C</td>
<td>8.350E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class D</td>
<td>4.470E-02</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class E</td>
<td>6.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class A</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class B</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class C</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,7)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class C</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class D</td>
<td>3.600E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class E</td>
<td>1.470E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 1 and stability class F</td>
<td>5.600E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>Joint Frequency in SE Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class A</td>
<td>4.700E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class B</td>
<td>8.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class C</td>
<td>2.330E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class D</td>
<td>1.542E-02</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class E</td>
<td>8.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,8)</td>
</tr>
<tr>
<td>AINT</td>
<td>for wind speed class 2 and stability class F</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,8)</td>
</tr>
<tr>
<td>Menu</td>
<td>Parameter</td>
<td>User</td>
<td>RESRAD</td>
<td>Parameter</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------</td>
<td>------</td>
<td>---------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SSR Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>1.640E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>2.330E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>2.890E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.205E-02</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,8)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SSR Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>1.500E-04</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>1.200E-04</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,6,8)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SSR Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,6,8)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SSR Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,1,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,2,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,3,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,4,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,5,8)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,6,8)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>3.210E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>9.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>3.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,9)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>5.100E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>5.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>1.740E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>1.031E-02</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,9)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>4.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>4.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>7.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>3.080E-03</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,6,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,6,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,6,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in S Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,1,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,2,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,3,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,4,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,5,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,6,9)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>2.200E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>3.400E-03</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>9.300E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,6,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>4.400E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>6.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>9.500E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>6.390E-03</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>DFRQ(2,6,10)</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Joint Frequency in SSN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>2.900E-04</td>
<td>0.000E+00</td>
<td>DFRQ(1,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>3.700E-04</td>
<td>0.000E+00</td>
<td>DFRQ(2,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>DFRQ(3,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.130E-03</td>
<td>0.000E+00</td>
<td>DFRQ(4,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,1,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,2,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,3,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,4,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in SSN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(1,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(2,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(3,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(4,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(5,5,10)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 7 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFRQ(6,5,10)</td>
</tr>
</tbody>
</table>
## Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class A</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(3,1,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class B</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(3,2,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class C</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(3,3,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class D</td>
<td>7.100E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(3,4,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(3,5,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(3,6,11)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,1,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,2,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,3,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,4,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,5,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(4,6,11)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,1,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,2,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,3,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,4,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,5,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(5,6,11)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,1,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,2,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,3,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,4,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,5,11)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(6,6,11)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(1,1,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class B</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>DFR3Q(1,2,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class C</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>DFR3Q(1,3,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class D</td>
<td>2.200E-03</td>
<td>0.000E+00</td>
<td>DFR3Q(1,4,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class E</td>
<td>1.320E-03</td>
<td>0.000E+00</td>
<td>DFR3Q(1,5,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 1 and stability class F</td>
<td>4.200E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(1,6,12)</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in SW Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class A</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(2,1,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class B</td>
<td>3.200E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(2,2,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class C</td>
<td>4.400E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(2,3,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class D</td>
<td>3.480E-03</td>
<td>0.000E+00</td>
<td>DFR3Q(2,4,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class E</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>DFR3Q(2,5,12)</td>
</tr>
<tr>
<td>A1NT</td>
<td>for wind speed class 2 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>DFR3Q(2,6,12)</td>
</tr>
</tbody>
</table>
## Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User Input</th>
<th>Default</th>
<th>RESRAD computed</th>
<th>Parameter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>2.900E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 1, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 2, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>1.500E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 3, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>2.860E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 4, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 5, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 3, 6, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 1, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 2, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 3, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 4, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 5, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 4, 6, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 1, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 2, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 3, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 4, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 5, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 5, 6, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 1, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 2, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 3, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 4, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 5, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 6, 6, 12</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 1, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 2, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>5.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 3, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>2.520E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 4, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>2.330E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 5, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>1.030E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 1, 6, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in WSN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td>3.900E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 1, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>3.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 2, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>4.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 3, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>3.940E-03</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 4, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>3.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 5, 13</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
<td>D Freddie 2, 6, 13</td>
</tr>
</tbody>
</table>
## Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class A</td>
<td>2.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class B</td>
<td>1.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class C</td>
<td>4.900E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class D</td>
<td>3.130E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class E</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 3 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class C</td>
<td>1.000E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class C</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class D</td>
<td>3.430E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class E</td>
<td>2.790E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 1 and stability class F</td>
<td>2.350E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>Joint Frequency in W Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class A</td>
<td>1.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class B</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class C</td>
<td>5.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class D</td>
<td>7.690E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class E</td>
<td>1.790E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>IART</td>
<td>for wind speed class 2 and stability class F</td>
<td>3.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
</tbody>
</table>
# Site-Specific Parameter Summary (continued)

| Menu | Parameter | | | User | Input | Default | RESRAD | Parameter | Name |
|------|-----------|---|---|---|---|---|---|---|---|---|
| AIRT | Joint Frequency in WNW Sector | | | | | | | | | |
| AIRT | for wind speed class 3 and stability class A | 1.5000E-04 | 0.0000E+00 | --- | DFRQ(3,1,14) |
| AIRT | for wind speed class 3 and stability class B | 1.0000E-04 | 0.0000E+00 | --- | DFRQ(3,2,14) |
| AIRT | for wind speed class 3 and stability class C | 3.4000E-04 | 0.0000E+00 | --- | DFRQ(3,3,14) |
| AIRT | for wind speed class 3 and stability class D | 4.9500E-03 | 0.0000E+00 | --- | DFRQ(3,4,14) |
| AIRT | for wind speed class 3 and stability class E | 1.7000E-04 | 0.0000E+00 | --- | DFRQ(3,5,14) |
| AIRT | for wind speed class 3 and stability class F | 2.0000E-05 | 0.0000E+00 | --- | DFRQ(3,6,14) |
| AIRT | Joint Frequency in WNW Sector | | | | | | | | | |
| AIRT | for wind speed class 4 and stability class A | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(4,1,14) |
| AIRT | for wind speed class 4 and stability class B | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(4,2,14) |
| AIRT | for wind speed class 4 and stability class C | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(4,3,14) |
| AIRT | for wind speed class 4 and stability class D | 5.0000E-05 | 0.0000E+00 | --- | DFRQ(4,4,14) |
| AIRT | for wind speed class 4 and stability class E | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(4,5,14) |
| AIRT | for wind speed class 4 and stability class F | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(4,6,14) |
| AIRT | Joint Frequency in WNW Sector | | | | | | | | | |
| AIRT | for wind speed class 5 and stability class A | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,1,14) |
| AIRT | for wind speed class 5 and stability class B | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,2,14) |
| AIRT | for wind speed class 5 and stability class C | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,3,14) |
| AIRT | for wind speed class 5 and stability class D | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,4,14) |
| AIRT | for wind speed class 5 and stability class E | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,5,14) |
| AIRT | for wind speed class 5 and stability class F | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(5,6,14) |
| AIRT | Joint Frequency in WNW Sector | | | | | | | | | |
| AIRT | for wind speed class 6 and stability class A | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,1,14) |
| AIRT | for wind speed class 6 and stability class B | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,2,14) |
| AIRT | for wind speed class 6 and stability class C | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,3,14) |
| AIRT | for wind speed class 6 and stability class D | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,4,14) |
| AIRT | for wind speed class 6 and stability class E | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,5,14) |
| AIRT | for wind speed class 6 and stability class F | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(6,6,14) |
| AIRT | Joint Frequency in NW Sector | | | | | | | | | |
| AIRT | for wind speed class 1 and stability class A | 0.0000E+00 | 0.0000E+00 | --- | DFRQ(1,1,15) |
| AIRT | for wind speed class 1 and stability class B | 2.0000E-05 | 0.0000E+00 | --- | DFRQ(1,2,15) |
| AIRT | for wind speed class 1 and stability class C | 1.2000E-04 | 0.0000E+00 | --- | DFRQ(1,3,15) |
| AIRT | for wind speed class 1 and stability class D | 4.6800E-03 | 0.0000E+00 | --- | DFRQ(1,4,15) |
| AIRT | for wind speed class 1 and stability class E | 6.7300E-03 | 0.0000E+00 | --- | DFRQ(1,5,15) |
| AIRT | for wind speed class 1 and stability class F | 5.4600E-03 | 0.0000E+00 | --- | DFRQ(1,6,15) |
| AIRT | Joint Frequency in NW Sector | | | | | | | | | |
| AIRT | for wind speed class 2 and stability class A | 2.2000E-04 | 0.0000E+00 | --- | DFRQ(2,1,15) |
| AIRT | for wind speed class 2 and stability class B | 3.7000E-04 | 0.0000E+00 | --- | DFRQ(2,2,15) |
| AIRT | for wind speed class 2 and stability class C | 9.5000E-04 | 0.0000E+00 | --- | DFRQ(2,3,15) |
| AIRT | for wind speed class 2 and stability class D | 1.6160E-02 | 0.0000E+00 | --- | DFRQ(2,4,15) |
| AIRT | for wind speed class 2 and stability class E | 1.0600E-02 | 0.0000E+00 | --- | DFRQ(2,5,15) |
| AIRT | for wind speed class 2 and stability class F | 1.7600E-03 | 0.0000E+00 | --- | DFRQ(2,6,15) |
## Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter Description</th>
<th>User Input</th>
<th>Default</th>
<th>RESRAD-computed</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(3,1,15)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>2.400E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>3.900E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.080E-03 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>1.709E-02 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>4.870E-03 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class G</td>
<td>7.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(4,1,15)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>5.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>5.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>2.790E-03 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>7.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(5,1,15)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>1.000E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NW Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(6,1,15)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(1,1,16)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class B</td>
<td>5.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class C</td>
<td>5.000E-05 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class D</td>
<td>4.100E-03 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class E</td>
<td>1.408E-02 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 1 and stability class F</td>
<td>1.741E-02 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class A</td>
<td></td>
<td></td>
<td></td>
<td>DFFREQ(2,1,16)</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class B</td>
<td>1.500E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class C</td>
<td>4.700E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class D</td>
<td>9.500E-04 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class E</td>
<td>1.307E-02 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class F</td>
<td>1.694E-02 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 2 and stability class G</td>
<td>3.300E-03 0.000E+00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Input</td>
<td>Default</td>
<td>computed</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class A</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class B</td>
<td>9.800E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class C</td>
<td>1.030E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class D</td>
<td>1.951E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class E</td>
<td>1.165E-02</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 3 and stability class F</td>
<td>2.400E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class C</td>
<td>2.200E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class D</td>
<td>6.610E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class E</td>
<td>2.300E-03</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 4 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class D</td>
<td>7.100E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class E</td>
<td>2.700E-04</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 5 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Joint Frequency in NNN Sector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class A</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class B</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class C</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class D</td>
<td>7.000E-05</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class E</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>for wind speed class 6 and stability class F</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>AIRT</td>
<td>Spacing of points used for areal integration, (m)</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fractional accuracy desired - convergence criteria</td>
<td>1.000E-03</td>
<td>1.000E-03</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Distance from d/g edge of contamination to Well, (m)</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Contamination to Well c/c distance normal to flow, m</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Distance from d/g edge of cz to surface water, (m)</td>
<td>4.500E+02</td>
<td>4.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Contamination to near edge of swb, c/c normal to flow</td>
<td>-1.500E+02</td>
<td>-1.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Contamination to far edge of swb, c/c normal to flow</td>
<td>1.500E+02</td>
<td>1.500E+02</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of main sub zones in primary contamination</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of main sub zones in last main PC sub zone</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of main sub zones in each unsaturated stratum</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of main sub zones in last main UZ sub zone</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of main zones in saturated stratum</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td>GNRD</td>
<td>Number of minor sub zones in last main SZ sub zone</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
</tbody>
</table>
| GNRD | Distribution coefficient and longitudinal dispersion | 1 | 1 | --- | 1 = Nuclide specific distribution coefficients in all subzones. Longitudinal dispersion in all but the subzone of transformation.
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Retardation factor flag for groundwater transport</td>
<td>0</td>
<td>0</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Number of unsaturated zone strata</td>
<td>1</td>
<td>1</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, thickness (m)</td>
<td>2.000E+00</td>
<td>4.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, soil density (g/cm**3)</td>
<td>1.700E+00</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, total porosity</td>
<td>3.600E-01</td>
<td>4.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, effective porosity</td>
<td>2.500E-01</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, field capacity</td>
<td>2.000E-01</td>
<td>3.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, hydraulic conductivity (m/yr)</td>
<td>1.400E+02</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, soil-specific b parameter</td>
<td>1.400E+00</td>
<td>5.300E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Unsaturated zone 1, longitudinal dispersivity (m)</td>
<td>1.000E-01</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Well pump intake depth (m below water table)</td>
<td>5.000E+00</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Depth of aquifer contributing to surface water body</td>
<td>5.000E+00</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Thickness of saturated zone (m)</td>
<td>1.000E+02</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Density of saturated zone (g/cm**3)</td>
<td>1.700E+00</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Saturated zone total porosity</td>
<td>3.600E-01</td>
<td>4.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Saturated zone effective porosity</td>
<td>2.500E-01</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Saturated zone hydraulic conductivity (m/yr)</td>
<td>1.400E+03</td>
<td>1.000E+02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Saturated zone hydraulic gradient to well</td>
<td>3.000E-02</td>
<td>2.000E-02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Satur. zone hydraulic gradient to surface water body</td>
<td>3.000E-02</td>
<td>2.000E-02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Longitudinal dispersivity to well (m)</td>
<td>3.000E+00</td>
<td>3.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Longitudinal dispersivity to SWB (m)</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Lateral (horizontal) dispersivity to well (m)</td>
<td>4.000E+01</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Lateral (horizontal) dispersivity to SWB (m)</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Lateral (vertical) dispersivity to well (m)</td>
<td>2.000E-02</td>
<td>2.000E-02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Lateral (vertical) dispersivity to SWB (m)</td>
<td>6.000E-02</td>
<td>6.000E-02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Irrigation rate over aquifer to well (m/yr)</td>
<td>not used</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Irrigation rate over aquifer to SWB (m/yr)</td>
<td>not used</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Evapotranspiration coefficient over aquifer to well</td>
<td>not used</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Evapotranspiration coefficient over aquifer to SWB</td>
<td>not used</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Runoff coefficient over aquifer to well</td>
<td>not used</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Runoff coefficient over aquifer to SWB</td>
<td>not used</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Concentration of mobile colloids in the aquifer</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Water - Soil Distribution coefficient of colloids</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Water - Mobile Colloids Distribution coefficient</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Drinking water intake (L/yr)</td>
<td>0.000E+00</td>
<td>5.100E+02</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of drinking water from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of drinking water from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of household water from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of household water from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Livestock water intake for meat 1 (L/day)</td>
<td>5.000E+01</td>
<td>5.000E+01</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of livestock water 1 from surface water</td>
<td>1.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Fraction of livestock water 1 from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Livestock water intake for milk (L/day)</td>
<td>0.000E+00</td>
<td>1.600E+02</td>
<td>---</td>
</tr>
<tr>
<td>Menu</td>
<td>Parameter</td>
<td>User</td>
<td>RESRAD</td>
<td>Parameter</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------</td>
<td>--------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Input</td>
<td>Default</td>
<td>computed</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of dairy cow water from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of dairy cow water from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Irrigation rate in Agricultural Area 1 (m/yr)</td>
<td>5.875E-02</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 1 from surface water</td>
<td>5.000E-01</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 1 from well water</td>
<td>5.000E-01</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Irrigation rate in Agricultural Area 2 (m/yr)</td>
<td>5.875E-02</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 2 from surface water</td>
<td>5.000E-01</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 2 from well water</td>
<td>5.000E-01</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Irrigation rate in Agricultural Area 3 (m/yr)</td>
<td>0.000E+00</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 3 from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 3 from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Irrigation rate in Agricultural Area 4 (m/yr)</td>
<td>0.000E+00</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 4 from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water 4 from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Irrigation rate in Offsite dwelling site (m/yr)</td>
<td>0.000E+00</td>
<td>2.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water from surface water</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Fraction of irrigation water from well water</td>
<td>0.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>MTRU</td>
<td>Well pumping rate (m³/3/yr)</td>
<td>4.227E+04</td>
<td>5.100E+03</td>
<td>---</td>
</tr>
<tr>
<td>SWBY</td>
<td>Sediment delivery ratio</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SWBY</td>
<td>Volume of surface water body</td>
<td>1.100E+05</td>
<td>1.500E+05</td>
<td>---</td>
</tr>
<tr>
<td>SWBY</td>
<td>Mean residence time of water in surface water body</td>
<td>2.740E+03</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SWBY</td>
<td>Surface area of water in surface water body</td>
<td>1.100E+05</td>
<td>9.000E+04</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fish consumption (kg/yr)</td>
<td>1.630E+01</td>
<td>5.400E+00</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of Fish from affected area</td>
<td>1.000E+00</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Other Aquatic food consumption (kg/yr)</td>
<td>0.000E+00</td>
<td>9.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of Aquatic food from affected area</td>
<td>1.000E+00</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Non-Leafy vegetables consumption (kg/yr)</td>
<td>8.260E+01</td>
<td>1.600E+02</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of vegetable 1 from affected area</td>
<td>1.000E+00</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Leafy vegetable consumption (kg/yr)</td>
<td>5.900E+01</td>
<td>1.400E+01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of vegetable 2 from affected area</td>
<td>1.000E+00</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Meat 1 consumption (kg/yr)</td>
<td>5.220E+01</td>
<td>6.300E+01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of meat 1 from affected area</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Milk consumption (L/yr)</td>
<td>0.000E+00</td>
<td>9.200E+01</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Fraction of milk from affected area</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>INGE</td>
<td>Soil ingestion rate (g/yr)</td>
<td>1.830E+01</td>
<td>3.650E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Wet weight crop yield for Non-Leafy (kg/m²/2)</td>
<td>1.750E+00</td>
<td>7.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Growing Season for Non-Leafy (years)</td>
<td>1.700E-01</td>
<td>1.700E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Translocation Factor for Non-Leafy</td>
<td>1.000E+01</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Weathering Removal Constant for Non-Leafy</td>
<td>1.800E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Interception Fraction for dust Non-Leafy</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Intercept-n Fract-n for irrigation Non-Leafy</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Depth of roots for Non-Leafy (m)</td>
<td>9.000E+00</td>
<td>1.200E+00</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Wet weight crop yield for Leafy (kg/m²/2)</td>
<td>1.500E+00</td>
<td>1.500E+00</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Growing Season for Leafy (years)</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Input</td>
<td>Default</td>
<td>computed</td>
</tr>
<tr>
<td>VEGE</td>
<td>Translocation Factor for Leafy</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Weathering Removal Constant for Leafy</td>
<td>1.800E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Interception Fraction for dust Leafy</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Intercept-n Fract-n for irrigation Leafy</td>
<td>6.700E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Depth of roots for Leafy (m)</td>
<td>9.000E+01</td>
<td>9.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Wet weight crop yield for Pasture (kg/m**2)</td>
<td>1.100E+00</td>
<td>1.100E+00</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Growing Season for Pasture (years)</td>
<td>8.000E+02</td>
<td>8.000E+02</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Translocation Factor for Pasture</td>
<td>1.000E+00</td>
<td>1.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Weathering Removal Constant for Pasture</td>
<td>1.800E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Interception Fraction for dust Pasture</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Intercept-n Fract-n for irrigation Pasture</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Depth of roots for Pasture (m)</td>
<td>9.000E+01</td>
<td>9.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Wet weight crop yield for Grain (kg/m**2)</td>
<td>7.000E+01</td>
<td>7.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Growing Season for Grain (years)</td>
<td>1.700E+01</td>
<td>1.700E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Translocation Factor for Grain</td>
<td>1.000E-01</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Weathering Removal Constant for Grain</td>
<td>1.800E+01</td>
<td>2.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Interception Fraction for dust Grain</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Foliar Intercept-n Fract-n for irrigation Grain</td>
<td>2.500E-01</td>
<td>2.500E-01</td>
<td>---</td>
</tr>
<tr>
<td>VEGE</td>
<td>Depth of roots for Grain (m)</td>
<td>9.000E+01</td>
<td>1.200E+00</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Feed 1 intake by livestock 1 (kg/day)</td>
<td>2.250E+00</td>
<td>1.400E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Soil intake with feed 1 by livestock 1 (kg/day)</td>
<td>5.000E+00</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Feed 1 intake by dairy cow (kg/day)</td>
<td>0.000E+00</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Soil intake with feed 1 by dairy cow (kg/day)</td>
<td>0.000E+00</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Feed 2 intake by livestock 1 (kg/day)</td>
<td>0.000E+00</td>
<td>5.400E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Soil intake with feed 2 by livestock 1 (kg/day)</td>
<td>0.000E+00</td>
<td>4.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Feed 2 intake by dairy cow (kg/day)</td>
<td>0.000E+00</td>
<td>1.100E+01</td>
<td>---</td>
</tr>
<tr>
<td>LINT</td>
<td>Soil intake with feed 2 by dairy cow (kg/day)</td>
<td>0.000E+00</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Inhalation rate (m**3/yr)</td>
<td>8.400E+03</td>
<td>8.400E+03</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Mass loading above primary contamination (g/m**3)</td>
<td>1.480E-05</td>
<td>1.000E-04</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Mass loading for inhalation (g/m**3)</td>
<td>1.480E-05</td>
<td>1.000E-04</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Indoor dust filtration factor, inhalation</td>
<td>1.000E+00</td>
<td>4.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Shielding factor, external gamma</td>
<td>2.730E-01</td>
<td>7.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>INHE</td>
<td>Shape factor flag, external gamma</td>
<td>-1.000E+00</td>
<td>1.000E+00</td>
<td>noncicular</td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Onsite shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 1:</td>
<td>6.167E+00</td>
<td>6.00E+00</td>
<td>RAD_SHAPE(1)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 2:</td>
<td>1.233E+01</td>
<td>1.20E+01</td>
<td>RAD_SHAPE(2)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 3:</td>
<td>1.850E+01</td>
<td>1.80E+01</td>
<td>RAD_SHAPE(3)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 4:</td>
<td>2.467E+01</td>
<td>2.40E+01</td>
<td>RAD_SHAPE(4)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 5:</td>
<td>3.083E+01</td>
<td>3.00E+01</td>
<td>RAD_SHAPE(5)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 6:</td>
<td>3.700E+01</td>
<td>3.60E+01</td>
<td>RAD_SHAPE(6)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 7:</td>
<td>4.317E+01</td>
<td>4.20E+01</td>
<td>RAD_SHAPE(7)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 8:</td>
<td>4.933E+01</td>
<td>4.80E+01</td>
<td>RAD_SHAPE(8)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 9:</td>
<td>5.550E+01</td>
<td>5.40E+01</td>
<td>RAD_SHAPE(9)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 10:</td>
<td>6.167E+01</td>
<td>6.00E+01</td>
<td>RAD_SHAPE(10)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 11:</td>
<td>6.783E+01</td>
<td>6.60E+01</td>
<td>RAD_SHAPE(11)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 12:</td>
<td>7.400E+01</td>
<td>7.20E+01</td>
<td>RAD_SHAPE(12)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 1</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(1)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 2</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(2)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 3</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(3)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 4</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(4)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 5</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(5)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 6</td>
<td>9.700E-01</td>
<td>1.00E+00</td>
<td>FRACA(6)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 7</td>
<td>1.00E+00</td>
<td>1.00E+00</td>
<td>FRACA(7)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 8</td>
<td>8.600E-01</td>
<td>1.00E+00</td>
<td>FRACA(8)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 9</td>
<td>6.500E+01</td>
<td>7.70E+01</td>
<td>FRACA(9)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 10</td>
<td>4.00E+01</td>
<td>3.70E+01</td>
<td>FRACA(10)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 11</td>
<td>1.60E+01</td>
<td>1.70E+01</td>
<td>FRACA(11)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 12</td>
<td>2.700E+02</td>
<td>3.10E+02</td>
<td>FRACA(12)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Shape factor array from offsite dwelling:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 13:</td>
<td>1.200E+01</td>
<td>1.325E+01</td>
<td>RAD_SHAPE(13)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 14:</td>
<td>2.400E+01</td>
<td>2.65E+01</td>
<td>RAD_SHAPE(14)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 15:</td>
<td>3.600E+01</td>
<td>3.975E+01</td>
<td>RAD_SHAPE(15)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 16:</td>
<td>4.800E+01</td>
<td>5.30E+01</td>
<td>RAD_SHAPE(16)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 17:</td>
<td>6.000E+01</td>
<td>6.625E+01</td>
<td>RAD_SHAPE(17)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 18:</td>
<td>7.200E+01</td>
<td>7.95E+01</td>
<td>RAD_SHAPE(18)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 19:</td>
<td>8.400E+01</td>
<td>9.275E+01</td>
<td>RAD_SHAPE(19)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 20:</td>
<td>9.600E+01</td>
<td>1.06E+02</td>
<td>RAD_SHAPE(20)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 21:</td>
<td>1.080E+02</td>
<td>1.193E+02</td>
<td>RAD_SHAPE(21)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 22:</td>
<td>1.200E+02</td>
<td>1.325E+02</td>
<td>RAD_SHAPE(22)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 23:</td>
<td>1.320E+02</td>
<td>1.45E+02</td>
<td>RAD_SHAPE(23)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 24:</td>
<td>1.440E+02</td>
<td>1.59E+02</td>
<td>RAD_SHAPE(24)</td>
</tr>
</tbody>
</table>
## Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter Description</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 13</td>
<td>3.000E-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 14</td>
<td>3.000E-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 15</td>
<td>3.000E-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 16</td>
<td>2.600E-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 17</td>
<td>2.500E-01</td>
<td>1.900E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 18</td>
<td>2.500E-01</td>
<td>2.400E-02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 19</td>
<td>2.500E-01</td>
<td>2.000E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 20</td>
<td>2.200E-01</td>
<td>1.700E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 21</td>
<td>1.700E-01</td>
<td>1.500E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 22</td>
<td>1.200E-01</td>
<td>1.300E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 23</td>
<td>4.900E-02</td>
<td>1.200E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 24</td>
<td>1.200E-02</td>
<td>5.200E-02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Shape factor array from offsite area 1:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 25:</td>
<td>2.807E+01</td>
<td>2.807E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 26:</td>
<td>4.169E+01</td>
<td>4.169E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 27:</td>
<td>5.531E+01</td>
<td>5.531E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 28:</td>
<td>6.893E+01</td>
<td>6.893E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 29:</td>
<td>8.255E+01</td>
<td>8.255E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 30:</td>
<td>9.617E+01</td>
<td>9.617E+01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 31:</td>
<td>1.071E+02</td>
<td>1.071E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 32:</td>
<td>1.181E+02</td>
<td>1.181E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 33:</td>
<td>1.291E+02</td>
<td>1.291E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 34:</td>
<td>1.400E+02</td>
<td>1.400E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 35:</td>
<td>1.538E+02</td>
<td>1.538E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 36:</td>
<td>1.675E+02</td>
<td>1.675E+02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 25</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 26</td>
<td>7.480E-02</td>
<td>7.480E-02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 27</td>
<td>1.449E-01</td>
<td>1.449E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 28</td>
<td>1.703E-01</td>
<td>1.703E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 29</td>
<td>1.855E-01</td>
<td>1.855E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 30</td>
<td>1.957E-01</td>
<td>1.957E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 31</td>
<td>1.795E-01</td>
<td>1.795E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 32</td>
<td>1.499E-01</td>
<td>1.499E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 33</td>
<td>1.313E-01</td>
<td>1.313E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 34</td>
<td>1.176E-01</td>
<td>1.176E-01</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 35</td>
<td>7.121E-02</td>
<td>7.121E-02</td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 36</td>
<td>1.637E-02</td>
<td>1.637E-02</td>
<td></td>
</tr>
</tbody>
</table>
### Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEXT</td>
<td>Shape factor array from offsite area 2:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 37:</td>
<td>2.807E+01</td>
<td>2.807E+01</td>
<td>RAD SHAPE(37)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 38:</td>
<td>4.169E+01</td>
<td>4.169E+01</td>
<td>RAD SHAPE(38)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 39:</td>
<td>5.531E+01</td>
<td>5.531E+01</td>
<td>RAD SHAPE(39)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 40:</td>
<td>6.893E+01</td>
<td>6.893E+01</td>
<td>RAD SHAPE(40)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 41:</td>
<td>8.255E+01</td>
<td>8.255E+01</td>
<td>RAD SHAPE(41)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 42:</td>
<td>9.617E+01</td>
<td>9.617E+01</td>
<td>RAD SHAPE(42)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 43:</td>
<td>1.071E+02</td>
<td>1.071E+02</td>
<td>RAD SHAPE(43)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 44:</td>
<td>1.181E+02</td>
<td>1.181E+02</td>
<td>RAD SHAPE(44)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 45:</td>
<td>1.291E+02</td>
<td>1.291E+02</td>
<td>RAD SHAPE(45)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 46:</td>
<td>1.400E+02</td>
<td>1.400E+02</td>
<td>RAD SHAPE(46)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 47:</td>
<td>1.538E+02</td>
<td>1.538E+02</td>
<td>RAD SHAPE(47)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 48:</td>
<td>1.675E+02</td>
<td>1.675E+02</td>
<td>RAD SHAPE(48)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 37</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>FRACA(37)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 38</td>
<td>7.480E-02</td>
<td>7.480E-02</td>
<td>FRACA(38)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 39</td>
<td>1.449E-01</td>
<td>1.449E-01</td>
<td>FRACA(39)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 40</td>
<td>1.703E-01</td>
<td>1.703E-01</td>
<td>FRACA(40)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 41</td>
<td>1.855E-01</td>
<td>1.855E-01</td>
<td>FRACA(41)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 42</td>
<td>1.957E-01</td>
<td>1.957E-01</td>
<td>FRACA(42)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 43</td>
<td>1.795E-01</td>
<td>1.795E-01</td>
<td>FRACA(43)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 44</td>
<td>1.499E-01</td>
<td>1.499E-01</td>
<td>FRACA(44)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 45</td>
<td>1.313E-01</td>
<td>1.313E-01</td>
<td>FRACA(45)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 46</td>
<td>1.176E-01</td>
<td>1.176E-01</td>
<td>FRACA(46)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 47</td>
<td>7.121E-02</td>
<td>7.121E-02</td>
<td>FRACA(47)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 48</td>
<td>1.637E-02</td>
<td>1.637E-02</td>
<td>FRACA(48)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Shape factor array from offsite area 3:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 49:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(49)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 50:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(50)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 51:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(51)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 52:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(52)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 53:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(53)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 54:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(54)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 55:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(55)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 56:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(56)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 57:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(57)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 58:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(58)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 59:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(59)</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 60:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>RAD SHAPE(60)</td>
</tr>
</tbody>
</table>
### Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 49</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 50</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 51</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 52</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 53</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 54</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 55</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 56</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 57</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 58</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 59</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 60</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Shape factor array from offsite area 4:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Radii of shape factor array (used if non-circular):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 61:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 62:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 63:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 64:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 65:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 66:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 67:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 68:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 69:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 70:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 71:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Outer annular radius (m), ring 72:</td>
<td>1.000E+01</td>
<td>1.000E+01</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Fractions of annular areas within AREA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 61</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 62</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 63</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 64</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 65</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 66</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 67</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 68</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 69</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 70</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 71</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>SEXT</td>
<td>Ring 72</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent indoors on contaminated site</td>
<td>0.000E+00</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors on contaminated site</td>
<td>1.358E+01</td>
<td>0.000E+00</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent indoors in Offsite Dwelling</td>
<td>0.000E+00</td>
<td>5.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors in Offsite Dwelling</td>
<td>0.000E+00</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors in agri. area 1</td>
<td>1.045E-01</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors in agri. area 2</td>
<td>8.330E-02</td>
<td>1.000E-01</td>
<td>---</td>
</tr>
</tbody>
</table>
## Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors in agrl. area 3</td>
<td>0.000E+00</td>
<td>1.000E-01</td>
<td>OCCUPANCY(3)</td>
</tr>
<tr>
<td>OCCU</td>
<td>Fraction of time spent outdoors in agrl. area 4</td>
<td>0.000E+00</td>
<td>1.000E-01</td>
<td>OCCUPANCY(4)</td>
</tr>
<tr>
<td>RADN</td>
<td>Diffusion coefficient for radon gas (m/sec)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADN</td>
<td>in cover material</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFCV</td>
</tr>
<tr>
<td>RADN</td>
<td>in contaminated zone soil</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFCZ</td>
</tr>
<tr>
<td>RADN</td>
<td>in fruit, grain and non-leafy vegetable field</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFPOS(1)</td>
</tr>
<tr>
<td>RADN</td>
<td>in leafy vegetable field</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFPOS(2)</td>
</tr>
<tr>
<td>RADN</td>
<td>in pature</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFPOS(3)</td>
</tr>
<tr>
<td>RADN</td>
<td>in livestock grain field</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFPOS(4)</td>
</tr>
<tr>
<td>RADN</td>
<td>in offsite dwelling site</td>
<td>not used</td>
<td>2.000E-06</td>
<td>DIFPOS(5)</td>
</tr>
<tr>
<td>RADN</td>
<td>in foundation material</td>
<td>not used</td>
<td>3.000E-07</td>
<td>DIFFL</td>
</tr>
<tr>
<td>RADN</td>
<td>Thickness of building foundation (m)</td>
<td>not used</td>
<td>1.500E-01</td>
<td>FLOOR1</td>
</tr>
<tr>
<td>RADN</td>
<td>Bulk density of building foundation (g/cm**3)</td>
<td>not used</td>
<td>2.400E+00</td>
<td>DENSFL</td>
</tr>
<tr>
<td>RADN</td>
<td>Total porosity of the building foundation</td>
<td>not used</td>
<td>1.000E-01</td>
<td>TPNF</td>
</tr>
<tr>
<td>RADN</td>
<td>Volumetric water content of the foundation</td>
<td>not used</td>
<td>3.000E-02</td>
<td>PH2OFL</td>
</tr>
<tr>
<td>RADN</td>
<td>Building depth below ground surface (m)</td>
<td>not used</td>
<td>-1.000E+00</td>
<td>DMFL</td>
</tr>
<tr>
<td>RADN</td>
<td>Radon vertical dimension of mixing (m)</td>
<td>not used</td>
<td>2.000E+00</td>
<td>HMIX</td>
</tr>
<tr>
<td>RADN</td>
<td>Height of the building (room) (m)</td>
<td>not used</td>
<td>2.500E+00</td>
<td>HRM</td>
</tr>
<tr>
<td>RADN</td>
<td>Average building air exchange rate (l/hr)</td>
<td>not used</td>
<td>5.000E-01</td>
<td>REEX</td>
</tr>
<tr>
<td>RADN</td>
<td>Building interior area factor</td>
<td>not used</td>
<td>0.000E+00</td>
<td>FAI</td>
</tr>
<tr>
<td>RADN</td>
<td>Emitting power of Ra-222 gas</td>
<td>not used</td>
<td>2.500E-01</td>
<td>EMANA(1)</td>
</tr>
<tr>
<td>RADN</td>
<td>Emitting power of Ra-220 gas</td>
<td>not used</td>
<td>1.500E-01</td>
<td>EMANA(2)</td>
</tr>
<tr>
<td>C14</td>
<td>C-14 evasion layer thickness in soil (m)</td>
<td>not used</td>
<td>3.000E-01</td>
<td>DMC</td>
</tr>
<tr>
<td>C14</td>
<td>Vertical dimension of mixing for vegetation (m)</td>
<td>not used</td>
<td>1.000E+00</td>
<td>HMIXV</td>
</tr>
<tr>
<td>C14</td>
<td>C-14 evasion flux rate from soil (l/sec)</td>
<td>not used</td>
<td>7.000E-07</td>
<td>C14EVSN</td>
</tr>
<tr>
<td>C14</td>
<td>C-12 evasion flux rate from soil (l/sec)</td>
<td>not used</td>
<td>1.000E-10</td>
<td>C12EVSN</td>
</tr>
<tr>
<td>C14</td>
<td>Fraction of vegetation carbon from air</td>
<td>not used</td>
<td>9.800E-01</td>
<td>CAIR</td>
</tr>
<tr>
<td>C14</td>
<td>Fraction of vegetation carbon from soil</td>
<td>not used</td>
<td>2.000E-02</td>
<td>CSOIL</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in the atmosphere (g/m**3)</td>
<td>not used</td>
<td>1.800E-01</td>
<td>C12AIR</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in contaminated soil (g/g)</td>
<td>not used</td>
<td>3.000E-02</td>
<td>C12CZ</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in water (g/cm**3)</td>
<td>not used</td>
<td>2.000E-05</td>
<td>C12WTR</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in meat 1 (g/g)</td>
<td>not used</td>
<td>2.400E-01</td>
<td>C12MEAT_MILK(1)</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in milk (g/g)</td>
<td>not used</td>
<td>7.000E-02</td>
<td>C12MEAT_MILK(2)</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in vegetable 1 (g/g)</td>
<td>not used</td>
<td>4.000E-01</td>
<td>C12PLANT(1)</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in vegetable 2 (g/g)</td>
<td>not used</td>
<td>9.000E-02</td>
<td>C12PLANT(2)</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in livestock feed 1 (g/g)</td>
<td>not used</td>
<td>9.000E-02</td>
<td>C12PLANT(3)</td>
</tr>
<tr>
<td>C12</td>
<td>C-12 concentration in livestock feed 2 (g/g)</td>
<td>not used</td>
<td>4.000E-01</td>
<td>C12PLANT(4)</td>
</tr>
<tr>
<td>H3</td>
<td>Humidity in air (g/cm**3)</td>
<td>not used</td>
<td>8.000E+00</td>
<td>HMID</td>
</tr>
<tr>
<td>H3</td>
<td>Mass fraction of water in meat 1 (g/g)</td>
<td>not used</td>
<td>6.000E-01</td>
<td>H2OMEAT_MILK(1)</td>
</tr>
<tr>
<td>H3</td>
<td>Mass fraction of water in milk (g/g)</td>
<td>not used</td>
<td>8.800E-01</td>
<td>H2OMEAT_MILK(2)</td>
</tr>
<tr>
<td>H3</td>
<td>Mass fraction of water in vegetable 1 (g/g)</td>
<td>not used</td>
<td>8.000E-01</td>
<td>H2OPLANT(1)</td>
</tr>
<tr>
<td>H3</td>
<td>Mass fraction of water in vegetable 2 (g/g)</td>
<td>not used</td>
<td>8.000E-01</td>
<td>H2OPLANT(2)</td>
</tr>
<tr>
<td>H3</td>
<td>Mass fraction of water in livestock feed 1 (g/g)</td>
<td>not used</td>
<td>8.000E-01</td>
<td>H2OPLANT(3)</td>
</tr>
</tbody>
</table>
Site-Specific Parameter Summary (continued)

<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameter</th>
<th>User</th>
<th>RESRAD</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>N3</td>
<td>Mass fraction of water in livestock feed 2 (g/g)</td>
<td>not used</td>
<td>8.0000E-01</td>
<td>---</td>
</tr>
</tbody>
</table>

Summary of Pathway Selections

<table>
<thead>
<tr>
<th>Pathway</th>
<th>User Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 -- external gamma</td>
<td>active</td>
</tr>
<tr>
<td>2 -- inhalation (w/o radon)</td>
<td>active</td>
</tr>
<tr>
<td>3 -- plant ingestion</td>
<td>active</td>
</tr>
<tr>
<td>4 -- meat ingestion</td>
<td>active</td>
</tr>
<tr>
<td>5 -- milk ingestion</td>
<td>active</td>
</tr>
<tr>
<td>6 -- aquatic foods</td>
<td>active</td>
</tr>
<tr>
<td>7 -- drinking water</td>
<td>active</td>
</tr>
<tr>
<td>8 -- soil ingestion</td>
<td>active</td>
</tr>
<tr>
<td>9 -- radon</td>
<td>suppressed</td>
</tr>
</tbody>
</table>
### Contaminated Zone Dimensions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>10088.00 square meters</td>
</tr>
<tr>
<td>Thickness</td>
<td>1.00 meters</td>
</tr>
<tr>
<td>Cover Depth</td>
<td>0.00 meters</td>
</tr>
</tbody>
</table>

### Initial Soil Concentrations, pCi/g

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>4.470E-01</td>
</tr>
<tr>
<td>Pu-239</td>
<td>3.070E-01</td>
</tr>
<tr>
<td>Sr-90</td>
<td>2.250E-01</td>
</tr>
</tbody>
</table>

### Total Dose TDOSE(t), mrem/yr

Basic Radiation Dose Limit = 2.500E+01 mrem/yr

<table>
<thead>
<tr>
<th>t (years)</th>
<th>TDOSE(t)</th>
<th>M(t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.000E+00</td>
<td>2.365E-01</td>
<td>9.46E-03</td>
</tr>
<tr>
<td>1.000E+00</td>
<td>2.302E-01</td>
<td>9.207E-03</td>
</tr>
<tr>
<td>3.000E+00</td>
<td>2.181E-01</td>
<td>8.724E-03</td>
</tr>
<tr>
<td>6.000E+00</td>
<td>2.014E-01</td>
<td>8.054E-03</td>
</tr>
<tr>
<td>1.200E+01</td>
<td>1.722E-01</td>
<td>6.886E-03</td>
</tr>
<tr>
<td>3.000E+01</td>
<td>1.103E-01</td>
<td>4.410E-03</td>
</tr>
<tr>
<td>7.500E+01</td>
<td>4.733E-02</td>
<td>1.892E-03</td>
</tr>
<tr>
<td>1.750E+02</td>
<td>9.674E-03</td>
<td>3.869E-04</td>
</tr>
<tr>
<td>4.200E+02</td>
<td>6.369E-03</td>
<td>2.548E-04</td>
</tr>
<tr>
<td>9.700E+02</td>
<td>6.066E-03</td>
<td>2.424E-04</td>
</tr>
</tbody>
</table>

Maximum TDOSE(t): 2.365E-01 mrem/yr at t = 0 years
### Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

#### Total Dose Contributions TDOSE(t,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 0 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cs-137</td>
<td>1.46E-15</td>
<td>9.39E-11</td>
<td>0.00E+00</td>
<td>5.26E-13</td>
<td>2.19E-13</td>
<td>0.00E+00</td>
<td>4.27E-19</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Pu-239</td>
<td>9.40E-20</td>
<td>6.96E-11</td>
<td>0.00E+00</td>
<td>2.59E-11</td>
<td>3.60E-14</td>
<td>0.00E+00</td>
<td>2.12E-17</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.12E-18</td>
<td>4.25E-12</td>
<td>0.00E+00</td>
<td>8.00E-13</td>
<td>8.81E-14</td>
<td>0.00E+00</td>
<td>6.10E-19</td>
<td>0.00E+00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1.46E-15</td>
<td>1.68E-10</td>
<td>0.00E+00</td>
<td>2.73E-11</td>
<td>3.43E-13</td>
<td>0.00E+00</td>
<td>2.23E-17</td>
<td>0.00E+00</td>
</tr>
</tbody>
</table>

#### Total Dose Contributions TDOSE(t,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 0 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cs-137</td>
<td>1.94E-01</td>
<td>4.01E-08</td>
<td>0.00E+00</td>
<td>2.80E-03</td>
<td>1.57E-04</td>
<td>0.00E+00</td>
<td>5.49E-05</td>
<td>1.97E-01</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>3.74E-04</td>
<td>0.00E+00</td>
<td>3.45E-03</td>
<td>6.23E-05</td>
<td>0.00E+00</td>
<td>2.70E-03</td>
<td>1.66E-03</td>
</tr>
<tr>
<td>Sr-90</td>
<td>6.95E-04</td>
<td>8.15E-07</td>
<td>0.00E+00</td>
<td>3.19E-02</td>
<td>3.68E-04</td>
<td>0.00E+00</td>
<td>8.32E-05</td>
<td>3.30E-02</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1.94E-01</td>
<td>3.75E-04</td>
<td>0.00E+00</td>
<td>3.81E-02</td>
<td>8.89E-04</td>
<td>0.00E+00</td>
<td>2.84E-03</td>
<td>1.23E-01</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

Total Dose Contributions TDOS(\(i,p,t\)) for Individual Radionuclides (\(i\)) and Pathways (\(p\))
in mrem/yr and as a Percentage of Total Dose at \(t = 1\) years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Fish Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>Water Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>5.66E-15</td>
<td>0.00E+00</td>
<td>6.81E-13</td>
<td>2.94E-13</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
<td>1.66E-18</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Pu-239</td>
<td>3.72E-19</td>
<td>0.00E+00</td>
<td>3.42E-11</td>
<td>4.93E-14</td>
<td>0.00E+00</td>
<td>8.41E-17</td>
<td>0.00E+00</td>
<td></td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.83E-17</td>
<td>0.00E+00</td>
<td>1.02E-12</td>
<td>1.15E-13</td>
<td>0.00E+00</td>
<td>2.18E-18</td>
<td>0.00E+00</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>5.68E-15</td>
<td>0.00E+00</td>
<td>3.59E-11</td>
<td>4.58E-13</td>
<td>0.00E+00</td>
<td>8.79E-17</td>
<td>0.00E+00</td>
<td></td>
</tr>
</tbody>
</table>

Total Dose Contributions TDOS(\(i,p,t\)) for Individual Radionuclides (\(i\)) and Pathways (\(p\))
in mrem/yr and as a Percentage of Total Dose at \(t = 1\) years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Inhalation Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>1.89E-01</td>
<td>3.91E-08</td>
<td>2.74E-03</td>
<td>4.46E-04</td>
<td>0.00E+00</td>
<td>5.36E-05</td>
<td>1.92E-01</td>
<td>84</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>3.74E-04</td>
<td>3.45E-03</td>
<td>6.38E-05</td>
<td>0.00E+00</td>
<td>2.70E-03</td>
<td>6.60E-03</td>
<td>3</td>
</tr>
<tr>
<td>Sr-90</td>
<td>6.58E-04</td>
<td>7.72E-07</td>
<td>3.02E-02</td>
<td>3.49E-04</td>
<td>0.00E+00</td>
<td>7.88E-05</td>
<td>3.13E-02</td>
<td>14</td>
</tr>
<tr>
<td>Total</td>
<td>1.90E-01</td>
<td>3.75E-04</td>
<td>3.64E-02</td>
<td>8.60E-04</td>
<td>0.00E+00</td>
<td>2.83E-03</td>
<td>2.30E-01</td>
<td>108</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

Total Dose Contributions TDose(t,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 3 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>1.39E-14</td>
<td>0</td>
<td>1.17E-10</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>6.54E-13</td>
<td>0</td>
</tr>
<tr>
<td>Pu-239</td>
<td>9.62E-19</td>
<td>0</td>
<td>9.24E-11</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.42E-11</td>
<td>0</td>
</tr>
<tr>
<td>Sr-90</td>
<td>3.66E-17</td>
<td>0</td>
<td>4.85E-12</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>9.50E-13</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>1.40E-14</td>
<td>0</td>
<td>2.14E-10</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.58E-11</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Dose Contributions TDose(t,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 3 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>1.80E-01</td>
<td>83</td>
<td>3.73E-08</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>2.61E-03</td>
<td>1</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>0</td>
<td>3.74E-04</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.45E-03</td>
<td>2</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.91E-04</td>
<td>0</td>
<td>6.94E-07</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>2.71E-02</td>
<td>12</td>
</tr>
<tr>
<td>Total</td>
<td>1.81E-01</td>
<td>83</td>
<td>3.75E-04</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.32E-02</td>
<td>15</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

in mrem/yr and as a Percentage of Total Dose at t = 6 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose %</th>
<th>Fish Dose %</th>
<th>Radon Dose %</th>
<th>Plant Dose %</th>
<th>Meat Dose %</th>
<th>Milk Dose %</th>
<th>Soil Dose %</th>
<th>Water Dose %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>2.48E-14</td>
<td>0.10E-10</td>
<td>0.00E+00</td>
<td>6.15E-13</td>
<td>2.61E-13</td>
<td>7.28E-13</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Pu-239</td>
<td>9.32E-11</td>
<td>0.00E+00</td>
<td>3.42E-11</td>
<td>4.93E-14</td>
<td>4.17E-16</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Sr-90</td>
<td>4.83E-17</td>
<td>0.00E+00</td>
<td>8.34E-13</td>
<td>8.82E-14</td>
<td>5.76E-18</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
<td>0.00E+00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2.49E-14</strong></td>
<td><strong>2.05E-10</strong></td>
<td><strong>3.56E-11</strong></td>
<td><strong>3.98E-13</strong></td>
<td><strong>4.30E-16</strong></td>
<td><strong>0.00E+00</strong></td>
<td><strong>0.00E+00</strong></td>
<td><strong>0.00E+00</strong></td>
</tr>
</tbody>
</table>

### Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

in mrem/yr and as a Percentage of Total Dose at t = 6 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose %</th>
<th>Inhalation Dose %</th>
<th>Radon Dose %</th>
<th>Plant Dose %</th>
<th>Meat Dose %</th>
<th>Milk Dose %</th>
<th>Soil Dose %</th>
<th>All Pathways* Dose %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>1.66E-01</td>
<td>3.48E-08</td>
<td>0.00E+00</td>
<td>2.43E-03</td>
<td>3.97E-04</td>
<td>0.00E+00</td>
<td>4.76E-05</td>
<td>1.71E-01</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>3.74E-04</td>
<td>0.00E+00</td>
<td>3.45E-03</td>
<td>6.38E-05</td>
<td>0.00E+00</td>
<td>2.70E-03</td>
<td>6.59E-03</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.03E-04</td>
<td>5.90E-07</td>
<td>0.00E+00</td>
<td>2.31E-02</td>
<td>2.67E-04</td>
<td>0.00E+00</td>
<td>6.03E-05</td>
<td>2.39E-02</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1.68E-01</strong></td>
<td><strong>3.75E-04</strong></td>
<td><strong>0.00E+00</strong></td>
<td><strong>2.90E-02</strong></td>
<td><strong>7.28E-04</strong></td>
<td><strong>0.00E+00</strong></td>
<td><strong>2.81E-03</strong></td>
<td><strong>2.01E-01</strong></td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Total Dose Contributions TDose(1,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 12 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>4.18E-14</td>
<td>9.42E-11</td>
<td>0.00E+00</td>
<td>5.43E-13</td>
<td>2.26E-13</td>
<td>0.00E+00</td>
<td>1.23E-17</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Pu-239</td>
<td>3.61E-18</td>
<td>9.23E-11</td>
<td>0.00E+00</td>
<td>3.42E-11</td>
<td>4.93E-14</td>
<td>0.00E+00</td>
<td>8.15E-16</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Sr-90</td>
<td>4.73E-17</td>
<td>2.99E-12</td>
<td>0.00E+00</td>
<td>6.22E-13</td>
<td>6.39E-14</td>
<td>0.00E+00</td>
<td>5.62E-18</td>
<td>0.00E+00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>4.19E-14</td>
<td>1.90E-10</td>
<td>0.00E+00</td>
<td>3.53E-11</td>
<td>3.40E-13</td>
<td>0.00E+00</td>
<td>8.33E-16</td>
<td>0.00E+00</td>
</tr>
</tbody>
</table>

### Total Dose Contributions TDose(1,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 12 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>1.46E-01</td>
<td>3.02E-08</td>
<td>0.00E+00</td>
<td>2.11E-03</td>
<td>3.44E-04</td>
<td>0.00E+00</td>
<td>4.13E-05</td>
<td>1.48E-01</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>3.74E-04</td>
<td>0.00E+00</td>
<td>3.44E-03</td>
<td>2.63E-05</td>
<td>0.00E+00</td>
<td>2.70E-03</td>
<td>6.59E-03</td>
</tr>
<tr>
<td>Sr-90</td>
<td>3.65E-04</td>
<td>4.28E-07</td>
<td>0.00E+00</td>
<td>1.67E-02</td>
<td>1.94E-04</td>
<td>0.00E+00</td>
<td>4.37E-05</td>
<td>1.73E-02</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1.46E-01</td>
<td>3.74E-04</td>
<td>0.00E+00</td>
<td>2.23E-02</td>
<td>6.01E-04</td>
<td>0.00E+00</td>
<td>2.78E-03</td>
<td>1.72E-01</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Total Dose Contributions $T_D(O(t,p),t)$ for Individual Radionuclides (i) and Pathways (p)

in mrem/yr and as a Percentage of Total Dose at $t = 30$ years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>6.56E-14</td>
<td>0</td>
<td>6.16E-11</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.73E-13</td>
<td>0</td>
</tr>
<tr>
<td>Pu-239</td>
<td>8.87E-18</td>
<td>0</td>
<td>9.21E-11</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.42E-11</td>
<td>0</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.76E-09</td>
<td>0</td>
<td>1.14E-12</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>2.44E-04</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>5.76E-09</td>
<td>0</td>
<td>1.55E-10</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>2.44E-04</td>
<td>0</td>
</tr>
</tbody>
</table>

### Total Dose Contributions $T_D(O(t,p),t)$ for Individual Radionuclides (i) and Pathways (p)

in mrem/yr and as a Percentage of Total Dose at $t = 30$ years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>9.52E-02</td>
<td>86</td>
<td>1.57E-08</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>1.38E-03</td>
<td>1</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>0</td>
<td>3.73E-04</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.44E-03</td>
<td>3</td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.39E-04</td>
<td>0</td>
<td>1.63E-07</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>6.37E-03</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>9.54E-02</td>
<td>86</td>
<td>3.74E-04</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>1.12E-02</td>
<td>10</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
## Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

**Total Dose Contributions TDose(i,p,t) for Individual Radionuclides (i) and Pathways (p)**

in mrem/yr and as a Percentage of Total Dose at t = 75 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>5.26E-14</td>
<td>0</td>
<td>2.12E-11</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>1.43E-13</td>
<td>0</td>
</tr>
<tr>
<td>Pu-239</td>
<td>2.18E-17</td>
<td>0</td>
<td>9.18E-11</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.42E-11</td>
<td>0</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.24E-07</td>
<td>0</td>
<td>1.14E-06</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>6.75E-03</td>
<td>14</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>5.24E-07</td>
<td>0</td>
<td>1.14E-06</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>6.75E-03</td>
<td>14</td>
</tr>
</tbody>
</table>

**Total Dose Contributions TDose(i,p,t) for Individual Radionuclides (i) and Pathways (p)**

in mrem/yr and as a Percentage of Total Dose at t = 75 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
<td>Dose %</td>
</tr>
<tr>
<td>Cs-137</td>
<td>3.28E-02</td>
<td>69</td>
<td>6.80E-09</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>4.76E-04</td>
<td>1</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.18E-05</td>
<td>0</td>
<td>3.72E-04</td>
<td>1</td>
<td>0.00E+00</td>
<td>0</td>
<td>3.42E-03</td>
<td>7</td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.24E-05</td>
<td>0</td>
<td>1.45E-08</td>
<td>0</td>
<td>0.00E+00</td>
<td>0</td>
<td>5.68E-04</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>3.29E-02</td>
<td>69</td>
<td>3.72E-04</td>
<td>1</td>
<td>0.00E+00</td>
<td>0</td>
<td>4.47E-03</td>
<td>9</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

Total Dose Contributions TDose(i,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 175 years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Fish</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
</tr>
<tr>
<td>Cs-137</td>
<td>9.96E-15</td>
<td>0</td>
<td>2.00E-12</td>
<td>0</td>
<td>1.59E-14</td>
<td>0</td>
<td>4.79E-15</td>
<td>0</td>
</tr>
<tr>
<td>Pu-239</td>
<td>2.88E-16</td>
<td>0</td>
<td>9.10E-11</td>
<td>0</td>
<td>3.42E-11</td>
<td>0</td>
<td>4.86E-14</td>
<td>0</td>
</tr>
<tr>
<td>Sr-90</td>
<td>2.99E-09</td>
<td>0</td>
<td>4.71E-07</td>
<td>0</td>
<td>3.49E-05</td>
<td>0</td>
<td>1.01E-08</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>2.99E-09</td>
<td>0</td>
<td>4.71E-07</td>
<td>0</td>
<td>3.49E-05</td>
<td>0</td>
<td>1.01E-08</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Dose Contributions TDose(i,p,t) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at t = 175 years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground</th>
<th>Inhalation</th>
<th>Radon</th>
<th>Plant</th>
<th>Meat</th>
<th>Milk</th>
<th>Soil</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
<td>Dose</td>
<td>%</td>
</tr>
<tr>
<td>Cs-137</td>
<td>3.09E-03</td>
<td>32</td>
<td>6.39E-10</td>
<td>0</td>
<td>4.47E-05</td>
<td>0</td>
<td>7.29E-06</td>
<td>0</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.17E-05</td>
<td>0</td>
<td>3.69E-04</td>
<td>4</td>
<td>3.39E-03</td>
<td>35</td>
<td>6.28E-05</td>
<td>1</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.76E-08</td>
<td>0</td>
<td>6.76E-11</td>
<td>0</td>
<td>2.64E-06</td>
<td>0</td>
<td>3.06E-08</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>3.10E-03</td>
<td>32</td>
<td>3.69E-04</td>
<td>4</td>
<td>3.44E-03</td>
<td>36</td>
<td>7.02E-05</td>
<td>1</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Total Dose Contributions TDOSER(i,p,t) for Individual Radionuclides (i) and Pathways (p)

#### in mrem/yr and as a Percentage of Total Dose at \( t = 420 \) years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Fish Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>Water Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>5.27E-17</td>
<td>0</td>
<td>0.00E+00</td>
<td>5.92E-17</td>
<td>0</td>
<td>1.46E-17</td>
<td>0</td>
<td>1.55E-20</td>
</tr>
<tr>
<td>Pu-239</td>
<td>9.95E-12</td>
<td>0</td>
<td>0.00E+00</td>
<td>1.44E-09</td>
<td>0</td>
<td>4.75E-14</td>
<td>0</td>
<td>9.69E-14</td>
</tr>
<tr>
<td>Sr-90</td>
<td>5.77E-15</td>
<td>0</td>
<td>0.00E+00</td>
<td>6.75E-11</td>
<td>0</td>
<td>1.96E-14</td>
<td>0</td>
<td>6.88E-16</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9.95E-12</td>
<td>0</td>
<td>0.00E+00</td>
<td>1.51E-09</td>
<td>0</td>
<td>6.72E-14</td>
<td>0</td>
<td>9.76E-14</td>
</tr>
</tbody>
</table>

#### Total Dose Contributions TDOSER(i,p,t) for Individual Radionuclides (i) and Pathways (p)

in mrem/yr and as a Percentage of Total Dose at \( t = 420 \) years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Inhalation Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>9.39E-06</td>
<td>1.94E-12</td>
<td>0.00E+00</td>
<td>1.36E-07</td>
<td>2.22E-08</td>
<td>0.00E+00</td>
<td>2.66E-09</td>
<td>9.55E-06</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.14E-05</td>
<td>3.61E-04</td>
<td>6.00E+00</td>
<td>3.32E-03</td>
<td>52</td>
<td>6.15E-05</td>
<td>1</td>
<td>2.60E-03</td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.13E-13</td>
<td>1.31E-16</td>
<td>0.00E+00</td>
<td>5.11E-12</td>
<td>5.91E-14</td>
<td>0.00E+00</td>
<td>1.33E-14</td>
<td>7.38E-11</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>2.08E-05</td>
<td>3.61E-04</td>
<td>6.00E+00</td>
<td>3.32E-03</td>
<td>52</td>
<td>6.15E-05</td>
<td>1</td>
<td>2.60E-03</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Total Dose Contributions TDOS(\(i,p,t\)) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at \(t = 970\) years

From releases to ground water and to surface water

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Fish Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>Water Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>2.36E-21</td>
<td>1.36E-10</td>
<td>0.00E+00</td>
<td>1.55E-10</td>
<td>3.27E-23</td>
<td>0.00E+00</td>
<td>6.93E-25</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Pu-239</td>
<td>5.40E-11</td>
<td>8.67E-10</td>
<td>0.00E+00</td>
<td>5.51E-09</td>
<td>5.55E-14</td>
<td>0.00E+00</td>
<td>6.78E-13</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Sr-90</td>
<td>8.60E-28</td>
<td>1.37E-08</td>
<td>0.00E+00</td>
<td>1.01E-23</td>
<td>2.92E-27</td>
<td>0.00E+00</td>
<td>1.03E-28</td>
<td>0.00E+00</td>
</tr>
<tr>
<td>Total</td>
<td>5.40E-11</td>
<td>8.67E-10</td>
<td>0.00E+00</td>
<td>5.51E-09</td>
<td>5.55E-14</td>
<td>0.00E+00</td>
<td>6.78E-13</td>
<td>0.00E+00</td>
</tr>
</tbody>
</table>

### Total Dose Contributions TDOS(\(i,p,t\)) for Individual Radionuclides (i) and Pathways (p) in mrem/yr and as a Percentage of Total Dose at \(t = 970\) years

Directly from primary contamination and from release to atmosphere (Inhalation excludes radon)

<table>
<thead>
<tr>
<th>Radio-Nuclide</th>
<th>Ground Dose</th>
<th>Inhalation Dose</th>
<th>Radon Dose</th>
<th>Plant Dose</th>
<th>Meat Dose</th>
<th>Milk Dose</th>
<th>Soil Dose</th>
<th>All Pathways*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>2.11E-11</td>
<td>4.36E-10</td>
<td>0.00E+00</td>
<td>3.05E-13</td>
<td>4.97E-14</td>
<td>0.00E+00</td>
<td>5.97E-15</td>
<td>2.14E-11</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.09E-05</td>
<td>3.44E-04</td>
<td>6.00E+00</td>
<td>3.17E-03</td>
<td>5.86E-05</td>
<td>1.00E+00</td>
<td>2.48E-03</td>
<td>6.66E-03 100</td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.66E-26</td>
<td>1.95E-09</td>
<td>0.00E+00</td>
<td>7.61E-25</td>
<td>8.80E-27</td>
<td>0.00E+00</td>
<td>1.99E-27</td>
<td>1.10E-23</td>
</tr>
<tr>
<td>Total</td>
<td>1.09E-05</td>
<td>3.44E-04</td>
<td>6.00E+00</td>
<td>3.17E-03</td>
<td>5.86E-05</td>
<td>1.00E+00</td>
<td>2.48E-03</td>
<td>6.66E-03 100</td>
</tr>
</tbody>
</table>

*Sum of dose from all releases and from primary contamination.
### Dose/Source Ratios Summed Over All Pathways

Parent and Progeny Principal Radionuclide Contributions Indicated

<table>
<thead>
<tr>
<th>Parent (i)</th>
<th>Product (j)</th>
<th>Thread Fraction</th>
<th>DSR &lt;i&gt;(j,t)&lt;/i&gt; (mrem/yr)/(pCi/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137+D</td>
<td>Cs-137+D</td>
<td>1.000E+00</td>
<td>4.404E-01 4.302E-01 4.103E-01 3.822E-01 3.316E-01 2.166E-01 7.474E-02 7.021E-03 2.137E-05 4.792E-11</td>
</tr>
<tr>
<td>Pu-239</td>
<td>Pu-239</td>
<td>1.000E+00</td>
<td>2.149E-02 2.149E-02 2.149E-02 2.148E-02 2.147E-02 2.143E-02 2.135E-02 2.116E-02 2.271E-02 1.974E-02</td>
</tr>
<tr>
<td>Pu-239</td>
<td>U-235+D</td>
<td>1.000E+00</td>
<td>5.013E-10 1.501E-10 3.488E-10 6.436E-10 1.222E-09 2.865E-09 6.441E-09 1.222E-08 2.865E-08 3.881E-08</td>
</tr>
<tr>
<td>Pu-239</td>
<td>Pa-231</td>
<td>1.000E+00</td>
<td>1.551E-15 1.029E-14 5.393E-14 1.842E-13 6.756E-13 3.916E-12 2.248E-11 1.057E-10 4.562E-10 1.673E-09</td>
</tr>
<tr>
<td>Pu-239</td>
<td>Ac-227+D</td>
<td>1.000E+00</td>
<td>1.555E-17 1.980E-16 2.119E-15 1.274E-14 8.477E-14 1.052E-12 1.137E-11 7.884E-11 4.138E-10 1.603E-09</td>
</tr>
<tr>
<td>Pu-239</td>
<td>Sr-90+D</td>
<td>1.000E+00</td>
<td>2.149E-02 2.149E-02 2.149E-02 2.148E-02 2.147E-02 2.143E-02 2.135E-02 2.116E-02 2.271E-02 1.974E-02</td>
</tr>
<tr>
<td>Sr-90+D</td>
<td>Sr-90+D</td>
<td>1.000E+00</td>
<td>1.467E-01 1.391E-01 1.249E-01 1.063E-01 7.706E-02 3.540E-02 3.262E-02 1.696E-04 3.278E-10 4.884E-23</td>
</tr>
</tbody>
</table>

The DSR includes contributions from associated (half-life ≤ 30 days) daughters.

#### Single Radionuclide Soil Guidelines G<i>(i,t)</i> in pCi/g

Basic Radiation Dose limit = 2.500E+01 mrem/yr

<table>
<thead>
<tr>
<th>Nuclide (i)</th>
<th>t= 0.000E+00</th>
<th>1.000E+00</th>
<th>3.000E+00</th>
<th>6.000E+00</th>
<th>1.200E+01</th>
<th>3.000E+01</th>
<th>7.500E+01</th>
<th>1.750E+02</th>
<th>4.200E+02</th>
<th>9.700E+02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>5.676E+01</td>
<td>5.812E+01</td>
<td>6.093E+01</td>
<td>6.541E+01</td>
<td>7.539E+01</td>
<td>1.154E+02</td>
<td>3.345E+02</td>
<td>3.561E+03</td>
<td>1.178E+06</td>
<td>5.217E+11</td>
</tr>
<tr>
<td>Pu-239</td>
<td>1.163E+03</td>
<td>1.163E+03</td>
<td>1.164E+03</td>
<td>1.164E+03</td>
<td>1.165E+03</td>
<td>1.166E+03</td>
<td>1.167E+03</td>
<td>1.171E+03</td>
<td>1.181E+03</td>
<td>1.207E+03</td>
</tr>
<tr>
<td>Sr-90</td>
<td>1.704E+02</td>
<td>1.797E+02</td>
<td>2.001E+02</td>
<td>2.351E+02</td>
<td>3.244E+02</td>
<td>3.245E+02</td>
<td>7.656E+02</td>
<td>1.474E+05</td>
<td>7.626E+10</td>
<td>*1.365E+14</td>
</tr>
</tbody>
</table>

*At specific activity limit

Summed Dose/Source Ratios DSR<i>(i,t)</i> in (mrem/yr)/(pCi/g)

and Single Radionuclide Soil Guidelines G<i>(i,t)</i> in pCi/g

at t<sub>min</sub> = time of minimum single radionuclide soil guideline

and at t<sub>max</sub> = time of maximum total dose = 0 years

<table>
<thead>
<tr>
<th>Nuclide (i)</th>
<th>Initial (pCi/g)</th>
<th>t&lt;sub&gt;min&lt;/sub&gt; (years)</th>
<th>DSR&lt;i&gt;(i,t)&lt;/i&gt; G&lt;i&gt;(i,t)&lt;/i&gt; (pCi/g)</th>
<th>DSR&lt;i&gt;(i,t)&lt;/i&gt; G&lt;i&gt;(i,t)&lt;/i&gt; (pCi/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cs-137</td>
<td>4.470E-01</td>
<td>0</td>
<td>4.404E-01 5.676E-01 4.404E-01 5.676E-01</td>
<td></td>
</tr>
<tr>
<td>Pu-239</td>
<td>3.070E-01</td>
<td>0</td>
<td>2.149E-02 2.149E-02 2.149E-02 2.149E-02</td>
<td></td>
</tr>
<tr>
<td>Sr-90</td>
<td>2.250E-01</td>
<td>0</td>
<td>1.467E-01 1.704E-01 1.467E-01 1.704E-01</td>
<td></td>
</tr>
</tbody>
</table>
# Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

## Parent Dose Report

**Title:** RESRAD-OFFSITE Default Parameters  
**File:** AREA 4.2 COLLECTOR PU.ROF

### Individual Nuclide Dose Summed Over All Pathways

<table>
<thead>
<tr>
<th>Nuclide Parent</th>
<th>THF(i)</th>
<th>DOSE(j,t), mrem/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>(j)</td>
<td>(i)</td>
<td>t= 0.00E+00</td>
</tr>
<tr>
<td>Cs-137 Cs-137</td>
<td>1.00E+00</td>
<td>1.969E-01</td>
</tr>
<tr>
<td>U-235 Pu-239</td>
<td>1.00E+00</td>
<td>1.539E-11</td>
</tr>
<tr>
<td>Pa-231 Pu-239</td>
<td>1.00E+00</td>
<td>4.760E-16</td>
</tr>
<tr>
<td>Sr-90 Sr-90</td>
<td>1.00E+00</td>
<td>3.302E-02</td>
</tr>
</tbody>
</table>

THF(i) is the thread fraction of the parent nuclide.

### Individual Nuclide Soil Concentration

<table>
<thead>
<tr>
<th>Nuclide Parent</th>
<th>THF(i)</th>
<th>S(j,t), pCi/g</th>
</tr>
</thead>
<tbody>
<tr>
<td>(j)</td>
<td>(i)</td>
<td>t= 0.00E+00</td>
</tr>
<tr>
<td>U-235 Pu-239</td>
<td>1.00E+00</td>
<td>0.000E+00</td>
</tr>
<tr>
<td>Pa-231 Pu-239</td>
<td>1.00E+00</td>
<td>0.000E+00</td>
</tr>
<tr>
<td>Ac-227 Pu-239</td>
<td>1.00E+00</td>
<td>0.000E+00</td>
</tr>
<tr>
<td>Sr-90 Sr-90</td>
<td>1.00E+00</td>
<td>2.250E-01</td>
</tr>
</tbody>
</table>

THF(i) is the thread fraction of the parent nuclide.

---

Note: The tables above summarize the dose and soil concentration for individual nuclides in the AREA 4.2 COLLECTOR PU context, showing the parent nuclide, thread fraction, and dose or concentration values over time.
Appendix H21 – RESRAD-Offsite 3.1 Output for AREA 4.2 COLLECTOR PU

RESRAD-OFFSITE, Version 3.1    Tm Limit = 30 days    10/26/2016  19:27  Page 49
Parent Dose Report
Title : RESRAD-OFFSITE Default Parameters
File : AREA 4.2 COLLECTOR PU.ROF

Run Time Information

ResoCalc.EXE execution began at 19:27 on 10/26/2016

ResoCalc.EXE execution ended at 19:27 on 10/26/2016

ResoCalc.EXE execution time 3.184 seconds