

TABLE A-1

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Table A-4

## Dose Rates Outside Containment Following a Design Basis LOCA in Salem Unit 1 (1)

| Location Number | Location Description      | Zone No. |       |        |
|-----------------|---------------------------|----------|-------|--------|
|                 |                           | 1 Hour   | 1 Day | 1 Week |
| 01045001        | 11 RHR Rm                 | VIII     | VII   | VII    |
|                 | Shielded (2)              | V        | IV    | III    |
| 01045002        | 11 RHR Pmp Rm             | VIII     | VII   | VII    |
|                 | 11 RHR Pmp Rm (3)         | III      | II    | I      |
| 01045003        | 11 RHR Hx Area            | VIII     | VII   | VI     |
| 01045004        | 11 Cont. Sump Valve Rm    | VIII     | VII   | VI     |
| 01045005        | Instrument Rack 102       | VIII     | VII   | VII    |
|                 | Shielded (2)              | V        | IV    | III    |
| 01045006        | 12 RHR Pmp Rm             | VIII     | VII   | VII    |
|                 | 12 RHR Pmp Rm (3)         | III      | II    | I      |
| 01045007        | 12 RHR Hx Area            | VIII     | VII   | VI     |
| 01045008        | 12 Cont. Sump Valve Rm    | VIII     | VII   | VI     |
| 01055002        | 11 RHR Valve Rm           | V        | IV    | III    |
| 01055003        | 11 RHR Hx Rm              | VIII     | VII   | VI     |
| 01055004        | 11 RHR Valve Rm           | VIII     | VII   | VI     |
| 01055005        | 12 RHR Valve Rm           | V        | IV    | III    |
| 01055006        | 12 RHR Hx Rm              | VIII     | VII   | VI     |
| 01055007        | 12 RHR Valve Rm           | VIII     | VII   | VI     |
| 01064001        | 4KV Vital Bus             | IV       | III   | II     |
|                 | & Battery Rm              |          |       |        |
| 01064003        | Laundry & Chem Dr Pump Rm | IV       | III   | II     |
| 01064004        | 11 Monitor Tk & Pump Rm   | IV       | III   | III    |
| 01064005        | 12 Monitor Tk & Pump Rm   | V        | IV    | III    |
| 01064008        | Waste Holdup Tk Rm        | IV       | III   | II     |
| 01064009        | Waste Holdup Tk Rm        | IV       | III   | II     |
| 01064011        | Waste Monitor Holdup      | IV       | III   | II     |
|                 | Tank Rm                   |          |       |        |
| 01064014        | 11 Waste Gas              | IV       | III   | II     |
|                 | Compressor Rm             |          |       |        |
| 01064017        | 12 Waste Gas              | IV       | III   | II     |
|                 | Compressor Rm             |          |       |        |
| 01064020        | Waste Gas Valve Area      | IV       | III   | II     |
| 01064021        | 11 Gas Decay Tk           | IV       | III   | II     |
| 01064022        | 12 Gas Decay Tk           | IV       | III   | II     |
| 01064028        | 11 HUT Rm                 | IV       | III   | II     |
| 01064029        | 12 HUT Rm                 | IV       | III   | II     |
| 01064031        | Pipeway                   | VIII     | VII   | VII    |
| 01084002        | 460/230V Vital            | IV       | III   | III    |
| 01084003        | Aisle Outside SFP Pump    | I        | I     | I      |
| 01084004        | Spent Fuel Pit Pump Rm    | V        | III   | III    |
| 01084005        | 11 Safety Inj Pmp Rm      | VIII     | VII   | VI     |
| 01084006        | 12 Safety Inj Pmp Rm      | VIII     | VII   | VI     |
| 01084007        | Pipe Alley                | VIII     | VII   | VII    |
|                 | West End of Pipeway       | VII      | VII   | VI     |
| 01084008        | Corridor at CC Hx         | V        | III   | III    |
| 01084009        | 11 CC Pump Rm             | V        | III   | III    |

Table A-4 (Cont.)

| Location Number | Location Description                   | Zone No. |         |        |
|-----------------|--|----------|---------|--------|
|                 |  | 1 Hour   | 1 Day   | 1 Week |
| 01084010        | 11 Comp Cooling VA Rm                  | VII      | VI      | VI     |
| 01084012        | 12 CC Hx Rm                            | III      | II      | II     |
| 01084016        | 13 Aux FW Pump                         | III      | II      | II     |
| 01084018        | LTD Hx Valve Rm                        | I        | I       | I      |
| 01084019        | LTD Hx Rm                              | IV       | III     | II     |
| 01084020        | Seal Water Hx Valve Rm                 | I        | I       | I      |
| 01084021        | Seal Water Hx Rm                       | IV       | III     | II     |
| 01084022        | Elec. Control Center                   | I        | I       | I      |
| 01084024        | Vent Duct<br>& Equipment Hatch         | IV       | III     | II     |
| 01084025        | Corridor at 11 Cont Spray              | IV       | III     | II     |
| 01084026        | Rm Next to 11 Chrg Pmp                 | VII      | VII     | VI     |
| 01084027        | CO2 Fire Equip Rm                      | III      | II      | II     |
| 01084029        | 11 Diesel FOST Rm                      | IV       | III     | II     |
| 01084034        | Chrg Pmp Valve Alley (11)              | VII/III  | VII/N/A | VI/N/A |
| 01084035        | 11 Chrg Pmp Rm                         | VIII     | VII     | VI     |
| 01084036        | 12 Chrg Pmp Rm                         | VIII     | VII     | VI     |
| 01084037        | 13 Chrg Pmp Rm                         | VII      | VII     | VI     |
| 01084038        | Cont. Spray Area                       | IV       | III     | II     |
| 01084041        | No.1 Aisle (4)                         | V        | IV      | III    |
| 01084046        | Stairwell                              | V        | III     | III    |
| 01100013        | Waste Evap Rm                          | V        | III     | III    |
| 01100005        | Chemistry Lab (8)                      | V        | IV      | III    |
| 01100006        | Access Aisle                           | V        | IV      | III    |
| 01100007        | Corridor at BAE (5)                    | III      | II      | I      |
| 01100008        | Boric Acid Evap Rm (5)                 | V        | IV      | III    |
| 01100008        | BAE Room Door                          | I        | I       | I      |
| 01100009        | S/G Blowdown Sample Rm                 | V        | IV      | III    |
| 01100014        | Ion Exchanger Rm                       | V        | III     | III    |
| 01100015        | BA Transfer Pumps                      | V        | IV      | III    |
| 01100019        | Drum Storage Area                      | V        | IV      | III    |
| 01113001        | Primary Sampling Room (9)              | IV       | III     | II     |
| 02078001        | A, B, & C East Valves C.C              | V        | III     | II     |
| 02078002        | Top of 12 Hx Rm                        | VIII     | VII     | VII    |
| 02078003        | BIT Rm Lower Level                     | VII      | VII     | VI     |
| 02078004        | BIT Rm Upper Level                     | VIII     | VII     | VI     |
| 02078005        | Mech. Pen. Area                        | VII      | VII     | VI     |
| 02078006        | Stm Gen Blowdown Area                  | VII      | VII     | VI     |
| 02078007        | S.W. Piping Room                       | III      | II      | II     |
| 02078008        | Mech. Pen Area                         | VII      | VII     | VI     |
| 02078009        | S.W. Piping Rm                         | III      | II      | II     |
| 02078011        | S.W. Piping Rm                         | III      | II      | II     |
| 02078012        | Elec Pen/Cont Rad<br>Mon. Area (6) (7) | V        | III     | II     |
| 02100002        | Main Steam Pen Area                    | V        | IV      | III    |
| 02100003        | Personnel Hatch                        | V        | IV      | III    |
| 12100005        | Counting Room (10)                     | V        | IV      | III    |

**Table A-4 (Cont.)**

Notes

1. Dose rates are due to post accident sources only and do not include normal operating dose rates. Any area not listed is Zone I.
2. This area is behind the partial wall separating this zone from the RHR pump room (Location Code # 01045002, 01045006).
3. This dose rate is due to the adjacent RHR pump room (Location Code # 01045002 or 01045006).
4. This area has the same shielding as the adjacent pump cubicles.
5. The designations shown correspond to conditions prior to initiation of SS.
6. Dose rates are due to shine through containment.
7. Containment atmosphere samples can be obtained approximately 17 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
8. Containment sump boron analysis can be performed approximately 46 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
9. Reactor coolant and containment sump samples can be obtained approximately 19 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
10. Bounding dose rates are those associated with a Design Basis LOCA in Salem Unit 2.
11. The second designation is for a LOCA in Salem Unit 2.

Table A-5

Dose Rates Outside Containment Following a Design Basis LOCA in Salem Unit 2 (1)

| Location Number | Location Description               | Zone No.    |            |           |
|-----------------|------------------------------------|-------------|------------|-----------|
|                 |                                    | 1 Hour      | 1 Day      | 1 Week    |
| 01100005        | Chemistry Lab (10)                 | V           | IV         | III       |
| 01113001        | Primary Sampling Room (11)         | IV          | III        | II        |
| 12045001        | 21 RHR Rm<br>Shielded (2)          | VIII        | VII        | VII       |
| 12045002        | 21 RHR Pmp Rm<br>21 RHR Pmp Rm (3) | V<br>III    | IV<br>II   | III<br>I  |
| 12045002        | 21 RHR Pmp Rm                      | VIII        | VII        | VII       |
| 12045003        | 21 RHR Hx Area                     | VIII        | VII        | VI        |
| 12045004        | 21 Cont. Sump Valve Rm             | VIII        | VII        | VI        |
| 12045005        | Instrument Rack 102                | VIII        | VII        | VII       |
| 12045006        | 22 RHR Pmp Rm<br>22 RHR Pmp Rm (3) | VIII<br>III | VII<br>II  | VII<br>I  |
| 12045007        | 22 RHR Hx Area                     | VIII        | VII        | VI        |
| 12045008        | 22 Cont. Sump Valve Rm             | VIII        | VII        | VI        |
| 12055002        | 21 RHR Valve Rm                    | V           | IV         | III       |
| 12055003        | 21 RHR Hx Rm                       | VIII        | VII        | VI        |
| 12055004        | 21 RHR Valve Rm                    | VIII        | VIII       | VI        |
| 12055005        | 22 RHR Valve Rm                    | V           | IV         | III       |
| 12055006        | 22 RHR Hx Rm                       | VIII        | VII        | VI        |
| 12055007        | 22 RHR Valve Rm                    | VIII        | VII        | VI        |
| 12064001        | 4KV Vital Bus & Battery Rm         | IV          | III        | II        |
| 12064003        | Laundry & Chem Dr Pump Rm          | IV          | III        | II        |
| 12064004        | 21 Monitor Tk & Pump Rm            | IV          | III        | III       |
| 12064005        | 22 Monitor Tk & Pump Rm            | V           | IV         | III       |
| 12064008        | Waste Holdup Tk Rm                 | IV          | III        | II        |
| 12064009        | Waste Holdup Tk Rm                 | IV          | III        | II        |
| 12064011        | Waste Monitor Holdup<br>Tank Rm    | IV          | III        | II        |
| 12064014        | 21 Waste Gas Compressor Rm         | IV          | III        | II        |
| 12064017        | 22 Waste Gas Compressor Rm         | IV          | III        | II        |
| 12064020        | Waste Gas Valve Area               | IV          | III        | II        |
| 12064021        | 21 Gas Decay Tk                    | IV          | III        | II        |
| 12064022        | 22 Gas Decay Tk                    | IV          | III        | II        |
| 12064028        | 21 HUT Rm                          | IV          | III        | II        |
| 12064029        | 22 HUT Rm                          | IV          | III        | II        |
| 12064031        | Pipeway                            | VIII        | VII        | VII       |
| 12084002        | 460/230V Vital                     | IV          | III        | III       |
| 12084003        | Aisle Outside SFP Pump             | I           | I          | I         |
| 12084004        | Spent Fuel Pit Pump Rm             | V           | III        | III       |
| 12084005        | 21 Safety Inj Pmp Rm               | VIII        | VII        | VI        |
| 12084006        | 22 Safety Inj Pmp Rm               | VIII        | VII        | VI        |
| 12084007        | Pipe Alley<br>West End of Pipeway  | VIII<br>VII | VII<br>VII | VII<br>VI |
| 12084008        | Corridor at CC Hx                  | V           | III        | III       |
| 12084009        | 21 CC Pump Rm                      | V           | III        | III       |
| 12084010        | 21 Comp Cooling VA Rm              | VII         | VI         | VI        |
| 12084012        | 22 CC Hx Rm                        | III         | II         | II        |

Table A-5 (Cont.)

| Location Number | Location Description        | Zone No. |         |        |
|-----------------|-----------------------------|----------|---------|--------|
|                 |                             | 1 Hour   | 1 Day   | 1 Week |
| 12084016        | 23 Aux FW Pump              | III      | II      | II     |
| 12084018        | LTD Hx Valve Rm             | I        | I       | I      |
| 12084019        | LTD Hx Rm                   | IV       | III     | II     |
| 12084020        | Seal Water Hx Valve Rm      | I        | I       | I      |
| 12084021        | Seal Water Hx Rm            | IV       | III     | II     |
| 12084022        | Elec. Control Center        | I        | I       | I      |
| 12084024        | Vent Duct & Equipment Hatch | IV       | III     | II     |
| 12084025        | Corridor at 21 Cont Spray   | IV       | III     | II     |
| 12084026        | Rm Next to 21 Chrg Pmp      | VII      | VII     | VI     |
| 12084027        | CO2 Fire Equip Rm           | III      | II      | II     |
| 12084029        | 21 Diesel FOST Rm           | IV       | III     | II     |
| 12084034        | Chrg Pmp Valve Alley (12)   | VII/III  | VII/N/A | VI/N/A |
| 12084035        | 21 Chrg Pmp Rm              | VIII     | VII     | VI     |
| 12084036        | 22 Chrg Pmp Rm              | VIII     | VII     | VI     |
| 12084037        | 23 Chrg Pmp Rm              | VII      | VII     | VI     |
| 12084038        | Cont. Spray Area            | IV       | III     | II     |
| 12084041        | No.2 Aisle (4)              | V        | IV      | III    |
| 12084046        | Stairwell                   | V        | III     | III    |
| 12100005        | Counting Room (6)           | V        | IV      | III    |
| 12100006        | Access Aisle                | V        | IV      | III    |
| 12100007        | Corridor at BAE (5)         | III      | II      | I      |
| 12100008        | Boric Acid Evap Rm (5)      | V        | IV      | III    |
|                 | BAE Room Door               | I        | I       | I      |
| 12100009        | PASS Room (8)               | V        | IV      | III    |
| 12100013        | Waste Evap Rm               | V        | III     | III    |
| 12100014        | Ion Exchanger Rm            | V        | III     | III    |
| 12100015        | BA Transfer Pumps           | V        | IV      | III    |
| 12100019        | Drum Storage Area           | V        | IV      | III    |
| 13078001        | A, B, & C East Valves C.C   | V        | III     | II     |
| 13078002        | Top of 22 Hx Rm             | VIII     | VII     | VII    |
| 13078003        | BIT Rm Lower Level          | VII      | VII     | VI     |
| 13078004        | BIT Rm Upper Level          | VIII     | VII     | VI     |
| 13078005        | Mech. Pen. Area             | VII      | VII     | VI     |
| 13078006        | Stm Gen Blowdown Area       | VII      | VII     | VI     |
| 13078007        | S.W. Piping Room            | III      | II      | II     |
| 13078008        | Mech. Pen Area              | VII      | VII     | VI     |
| 13078009        | S.W. Piping Rm              | III      | II      | II     |
| 13078011        | S.W. Piping Rm              | III      | II      | II     |
| 13078012        | Elec Pen/Cont Rad           | V        | III     | II     |
|                 | Mon. Area (7) (9)           |          |         |        |
| 13100002        | Main Steam Pen Area         | V        | IV      | III    |
| 13100003        | Personnel Hatch             | V        | IV      | III    |



Table A-5 (Cont.)

Notes

1. Dose rates are due to post accident sources only and do not include normal operating dose rates. Any area not listed is Zone I.
2. This area is behind the partial wall separating this zone from the RHR pump room (Location Code # 12045002, 12045006).
3. This dose rate is due to the adjacent RHR pump room (Location Code # 12045002 or 12045006).
4. This area has the same shielding as the adjacent pump cubicles.
5. The designations shown correspond to conditions prior to initiation of SS.
6. The dose rates apply only in the north end of the room. Other areas will be a zone I.
7. Dose rates are due to shine through containment.
8. Dose rates are due to external sources and will allow limited access to obtain samples. Post accident sampling is addressed in the response to item 2.1.8.a.
9. Containment atmosphere samples can be obtained approximately 17 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
10. Containment sump boron analysis can be performed approximately 46 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
11. Reactor coolant and containment sump samples can be obtained approximately 19 hours after accident initiation without exceeding personnel exposure guidelines based on SS.
12. The second designation is for a LOCA in Salem Unit 1.