

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT  | NUREG-0654 STATEMENT   | Fairfield Co.      | State of South Carolina     | Richland Co.   | Newberry Co.             | Lexington Co.            |
|-------------------|--|--------------------|-----------------------------|--|--------------------------|--------------------------|
| A.1.a             | Each plan shall identify the State, local, Federal and private sector organizations (including utilities), that are intended to be part of the overall response organization for Emergency Planning Zones. (See Appendix 5). | Annex Q § V.A.     | See SCORERP Cross Reference | Annex 25C § F  | Annex Q, § I Pg 4        | Annex 25a § II. A, B & C |
| A.1.b             | Each organization and sub organization having an operational role shall specify its concept of operations, and its relationship to the total effort.   | Annex Q § IV.A     | See SCORERP Cross Reference | Annex 25C § IV.A   | Annex Q, § IV.A, pg 9    | Annex 25a § II.B         |
| A.1.c             | Each plan shall illustrate these interrelationships in a block diagram.  | Annex Q Appendix A | See SCORERP Cross Reference | Basic Plan Attachment 1 pg 26                                      | Annex Q, Sec II. a. A-C. | Annex 25a Attachment 1   |
| A.1.d             | Each organization shall identify a specific individual by title who shall be in charge of the emergency response.  | Annex Q § IV.B     | See SCORERP Cross Reference | Annex 25C § IV. B  | Annex Q, Appendix 1      | Annex 25a § IV.B         |
| A.1.e             | Each organization shall provide for 24-hour per day emergency response, including 24-hour per day manning of communications links.   | EOP § IV.B.4       | See SCORERP Cross Reference | Annex 25C § IV.D   | Annex Q § IV.G.7         | Annex 25a § IV.C         |
| A.2.a             | Each organization shall specify the functions and responsibilities for major elements and key individuals by title, of emergency response, including the following: Command and Control,                                     | EOP § V.A.1        | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29                                      | Annex E                  | Annex 25a § IV.D         |
| A.2.a (continued) | Alerting and Notification,   | EOP § V.A.5        | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.C & D              | Annex G                  | Annex 25a § IV.D         |
| A.2.a (continued) | Communications,  | EOP § V.A.4        | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.C & D              | Annex B                  | Annex 25a § IV.D         |
| A.2.a (continued) | Public Information,  | EOP § V.A.6        | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.E                  | Annex D                  | Annex 25a § IV.D         |
| A.2.a (continued) | Accident Assessment,   | EOP § V.A.17       | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.S<br>See SC STRERP | Annex S                  | Annex 25a § IV.D         |
| A.2.a (continued) | Public Health and Sanitation,  | EOP § V.A.         | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.F                  | Annex H<br>Annex M       | Annex 25a § IV.D         |
| A.2.a (continued) | Social Services,   | EOP § V.A.         | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.G                  | Annex K                  | Annex 25a § IV.D         |
| A.2.a (continued) | Fire and Rescue,   | EOP § V.A.8        | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29<br>Annex 25C § IV.H                  | Annex F<br>Annex G       | Annex 25a § IV.D         |

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| A.2.a (continued) | Traffic Control,   | EOP § V.A.7   | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29 Annex 25C § IV.J                | Annex E                   | Annex 25a § IV.D       |
| A.2.a (continued) | Emergency Medical Services,  | EOP § V.A.10  | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29 Annex 25C § IV.I                | Annex H                   | Annex 25a § IV.D       |
| A.2.a (continued) | Law Enforcement,   | EOP § V.A.7   | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29 Annex 25C § IV.J                | Annex E                   | Annex 25a § IV.D       |
| A.2.a (continued) | Transportation,  | EOP § V.A.13  | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29 Annex 25C § IV.K                | Annex L                   | Annex 25a § IV.D       |
| A.2.a (continued) | Protective Response (including authority to request Federal assistance and to initiate other protective actions), and  | SC Operational Radiological Emergency Response Plan (SCORERP) | See SCORERP Cross Reference | SC Operational Radiological Emergency Response Plan (SCORERP) | Annex Q § IV. L           | Annex 25a § IV.D       |
| A.2.a (continued) | Radiological Exposure Control.   | EOP § V.A.16  | See SCORERP Cross Reference | Annex 25C § IV.N  | Annex Q § IV. N           | Annex 25a § IV.D       |
| A.2.a (continued) | The description of these functions shall include a clear and concise summary such as a table of primary and support responsibilities using the agency as one axis, and the function as the other. (See Section B for licensee).  | Basic Plan § V.A.   | See SCORERP Cross Reference | Basic Plan Attachment 3 pg 29                                 | Annex Q Appendix 1, Tab A | Annex 25a § IV.D       |
| A.2.b             | Each plan shall contain (by reference to specific acts, codes or statutes) the legal basis for such authorities.   | Annex Q § I.B   | See SCORERP Cross Reference | Annex 25C § I.B   | Basic Plan Introduction   | Annex 25a § I.B & C    |
| A.3               | Each plan shall include written agreements referring to the concept of operations developed between Federal, State, and local agencies and other support organizations having an emergency response role within the Emergency Planning Zones. The agreements shall identify the emergency measures to be provided and the mutually acceptable criteria for their implementation, and specify the arrangements for exchange of information. These agreements may be provided in an appendix to the plan or the plan itself may contain descriptions of these matters and a signature page in the plan may serve to verify the agreements. The signature page format is appropriate for organizations where response functions are covered by laws, regulations or executive orders where separate written agreements are not necessary. | EOP § V.A.1   | See SCORERP Cross Reference | Basic Plan Section 10 Exhibit B                               | Basic Plan Introduction   | Annex 25a Attachment 9 |

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| A.4              | Each principal organization shall be capable of continuous (24-hour) operations for a protracted period.  | Annex A § IV.B.4       | See SCORERP Cross Reference | Basic Plan § IV F.5 | Annex Q § IV.G.7          | Annex 25a § IV.C.5 |
| A.4 (continued)  | The individual in the principal organization who will be responsible for assuring continuity of resources (technical, administrative, and material) shall be specified by title.  | EOP § V.A.2            | See SCORERP Cross Reference | Basic Plan § III.D  | Annex Q. Appendix 1 Tab A | Annex 25a § IV.B.1 |
| B.1              | Each licensee shall specify the onsite emergency organization of plant staff personnel for all shifts and its relation to the responsibilities and duties of the normal staff complement.   | Applicable to Licensee |                             |                     |                           |                    |
| B.2              | Each licensee shall designate an individual as emergency coordinator who shall be on shift at all times and who shall have the authority and responsibility to immediately and unilaterally initiate any emergency actions, including providing protective action recommendations to authorities responsible for implementing offsite emergency measures. | Applicable to Licensee |                             |                     |                           |                    |
| B.3              | Each licensee shall identify a line of succession for the emergency coordinator position and identify the specific conditions for higher level utility officials assuming this function.  | Applicable to Licensee |                             |                     |                           |                    |
| B.4              | Each licensee shall establish the functional responsibilities assigned to the emergency coordinator and shall clearly specify which responsibilities may not be delegated to other elements of the emergency organization.  | Applicable to Licensee |                             |                     |                           |                    |
| B.4 (continued)  | Among the responsibilities which may not be delegated shall be the decision to notify and to recommend protective actions to authorities responsible for offsite emergency measures.  | Applicable to Licensee |                             |                     |                           |                    |

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| B.5              | Each licensee shall specify the positions or title and major tasks to be performed by the persons to be assigned to the functional areas of emergency activity. For emergency situations, specific assignments shall be made for all shifts and for plant staff members, both onsite and away from the site. These assignments shall cover the emergency functions in Table B-1 entitled, "Minimum Staffing Requirements for Nuclear Power Plant Emergencies." The minimum on-shift staffing levels shall be as indicated in Table B-1. The licensee must be able to augment on-shift capabilities within a short period after declaration of an emergency. This capability shall be as indicated in Table B-1. The implementation schedule for licensed operators, auxiliary operators and the shift technical advisor on shift shall be as specified in the July 31, 1980 letter to all power reactor licensees. Any deficiencies in the other staffing requirements of Table B-1 must be capable of augmentation within 30 minutes by September 1, 1981, and such deficiencies must be fully removed by July 1, 1982. |                        |                         |              |              |               |
|                  |  | Applicable to Licensee |                         |              |              |               |
| B.6              | Each licensee shall specify the interfaces between and among the onsite functional areas of emergency activity, licensee headquarters support, local services support, and State and local government response organization.   |                        |                         |              |              |               |
|                  |  | Applicable to Licensee |                         |              |              |               |
| B.6 (continued)  | This shall be illustrated in a block diagram and shall include the onsite technical support center and the operational support (assembly) center and the licensee's near-site Emergency Operations Facility (EOF)  |                        |                         |              |              |               |
|                  |  | Applicable to Licensee |                         |              |              |               |
| B.7              | Each licensee shall specify the corporate management, administrative, and technical support personnel who will augment the plant staff as specified in the table entitled "Minimum Staffing Requirements for Nuclear Power Plant Emergencies," (Table B-1) and in the following areas:   |                        |                         |              |              |               |
|                  |  | Applicable to Licensee |                         |              |              |               |

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|------------------|---|------------------------|-----------------------------|--------------------------------|--------------|---------------|
| B.7.a            | a. logistics support for emergency personnel, e.g., transportation, communications, temporary quarters, food and water, sanitary facilities in the field, and special equipment and supplies procurement;   | Applicable to Licensee |                             |                                |              |               |
| B.7.b            | b. technical support for planning and reentry/recovery operations;  | Applicable to Licensee |                             |                                |              |               |
| B.7.c            | c. management level interface with governmental authorities; and  | Applicable to Licensee |                             |                                |              |               |
| B.7.d            | d. release of information to news media during an emergency (coordinated with governmental authorities).  | Applicable to Licensee |                             |                                |              |               |
| B.8              | Each licensee shall specify the contractor and private organizations who may be requested to provide technical assistance to and augmentation of the emergency organization.  | Applicable to Licensee |                             |                                |              |               |
| B.9              | Each licensee shall identify the services to be provided by local agencies for handling emergencies, e.g., police, ambulance, medical, hospital, and fire-fighting organizations shall be specified.  | Applicable to Licensee |                             |                                |              |               |
| B.9 (continued)  | The licensee shall provide for transportation and treatment of injured personnel who may also be contaminated.  | Applicable to Licensee |                             |                                |              |               |
| B.9 (continued)  | Copies of the arrangements and agreements reached with contractor, private, and local support agencies shall be appended to the plan. The agreements shall delineate the authorities, responsibilities, and limits on the actions of the contractor, private organization, and local services support groups.   | Applicable to Licensee |                             |                                |              |               |
| C.1.a            | The Federal government maintains in-depth capability to assist licensees, States and local governments through the Federal Radiological Monitoring and Assessment Plan (formerly Radiological Assistance Plan (RAP) and Interagency Radiological Assistance Plan (IRAP).<br>* Each State and licensee shall make provisions for incorporating the Federal response capability into its operation plan, including the following:<br><i>* FEMA issued the Federal Radiological Emergency Response Plan (FRERP) on May 8, 1996 (61 FR 20944), which supersedes these documents.(Source</i> | Annex Q § II.A.1.b     | See SCORERP Cross Reference | Applicable to Licensee & State |              |               |

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|------------------|--|--|-----------------------------|-------------------------------------|--|--|
|                  | <i>NUREG-0654 Addenda Mar 2002</i><br>a. specific persons by title authorized to request Federal assistance; see A.1.d., A.2.a.  |  |                             |                                     |  |  |
| C.1.b            | b. specific Federal resources expected, including expected times of arrival at specific nuclear facility sites; and  | N/A  | See SCORERP Cross Reference | Applicable to Licensee & State      |  |  |
| C.1.c            | c. specific licensee, State and local resources available to support the Federal response, e.g., airfields, command posts, telephone lines, radio frequencies and telecommunications centers.  | SCEOP Annex 2  | See SCORERP Cross Reference | SCEOP Annex 2<br>Annex 25C § VI.A.8 | Annex B § I.D.4<br>Annex B § IV.A                        | Annex 25a § IV.A.7                                       |
| C.2.a            | Each principal offsite organization may dispatch representatives to the licensee's near-site Emergency Operations Facility. (State technical analysis representatives at the near site EOF are preferred.)   | No provision to send representative to the near-site EOF | See SCORERP Cross Reference | Annex 25C § VI.A.5                  | No provision to send representative to the near-site EOF | No provision to send representative to the near-site EOF |
| C.2.b            | b. The licensee shall prepare for the dispatch of a representative to principal offsite governmental emergency operations centers.   | Applicable to Licensee                                   |                             |                                     |  |  |
| C.3              | Each organization shall identify radiological laboratories and their general capabilities and expected availability to provide radiological monitoring and analyses services which can be used in an emergency.                                    | N/A  | See SCORERP Cross Reference | Applicable to Licensee & State      |  |  |
| C.4              | Each organization shall identify nuclear and other facilities, organizations or individuals which can be relied upon in an emergency to provide assistance. Such assistance shall be identified and supported by appropriate letters of agreement. | Assistance provided under SCORERP                        | See SCORERP Cross Reference | Assistance provided under SCORERP   | Assistance provided under SCORERP                        | Assistance provided under SCORERP                        |
| D.1              | An emergency classification and emergency action level scheme as set forth in Appendix 1 must be established by the licensee.  | Applicable to Licensee                                   |                             |                                     |  |  |
| D.1 (continued)  | The specific instruments, parameters or equipment status shall be shown for establishing each emergency class, in the in-plant emergency procedures.   | Applicable to Licensee                                   |                             |                                     |  |  |
| D.1 (continued)  | The plan shall identify the parameter values and equipment status for each emergency class.  | Applicable to Licensee                                   |                             |                                     |  |  |
| D.2              | The initiating conditions shall include the  | Applicable to Licensee                                   |                             |                                     |  |  |

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|------------------|---|--|-----------------------------|--------------------------------------|------------------------------------|-----------------------|
|                  | example conditions found in Appendix I and all postulated accidents in the Final Safety Analysis Report (FSAR) for the nuclear facility.  |  |                             |                                      |                                    |                       |
| D.3              | Each State and local organization shall establish an emergency classification and emergency action level scheme consistent with that established by the facility licensee.  | Annex Q Emergency Classification Levels pp. Q-10 thru Q-16 | See SCORERP Cross Reference | Annex 25C § IV.D                     | Annex Q § IV.D                     | Annex 25a, Appendix 1 |
| D.4              | Each State and local organization should have procedures in place that provide for emergency actions to be taken which are consistent with the emergency actions recommended by the nuclear facility licensee, taking into account local offsite conditions that exist at the time of the emergency.  | Annex Q Emergency Classification Levels pp. Q-10 thru Q-16 | See SCORERP Cross Reference | Annex 25C § IV.D                     | Annex Q § II.A.3                   | Annex 25a, Appendix 1 |
| E.1              | Each organization shall establish procedures which describe mutually agreeable bases for notification of response organizations consistent with the emergency classification and action level scheme set forth in Appendix 1. These procedures shall include means for verification of messages. The specific details of verification need not be included in the plan. | Annex Q Appendix 2 § B.1.b                                 | See SCORERP Cross Reference | Annex 25C § IV.T                     | Annex Q § IV.C.8                   | Annex 25A § IV.D      |
| E.2              | Each organization shall establish procedures for alerting, notifying, and mobilizing emergency response personnel.  | Annex Q § II.D.3   | See SCORERP Cross Reference | Annex 25C § IV.D SAE Local Action #1 | Annex Q § IV.D SAE Local Action #1 | Annex 25A § IV.D      |
| E.3              | The licensee in conjunction with State and local organizations shall establish the contents of the initial emergency messages to be sent from the plant. These measures shall contain information about the class of emergency, whether a release is taking place, potentially affected population and areas, and whether protective measures may be necessary.         | Applicable to Licensee                                     |                             |                                      |                                    |                       |

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|------------------|--|--|-----------------------------|-----------------------|----------------------------|------------------|
| E.4.a            | Each licensee shall make provisions for follow up messages from the facility to offsite authorities which shall contain the following information if it is known and appropriate:<br><br>a. location of incident and name and telephone number (or communications channel identification) of caller; | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.b            | b. date/time of incident;  | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.c            | c. class of emergency;   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.d            | d. type of actual or projected release (airborne, waterborne, surface spill), and estimated duration/impact times;   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.e            | e. estimate of quantity of radioactive material released or being released and the points and height of releases;  | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.f            | f. chemical and physical form of released material, including estimates of the relative quantities and concentration of noble gases, iodines and particulates;   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.g            | g. meteorological conditions at appropriate levels (wind speed, direction (to and from), indicator of stability, precipitation, if any);   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.h            | h. actual or projected dose rates at site boundary; projected integrated dose at site boundary;  | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.i            | i. projected dose rates and integrated dose at the projected peak and at 2, 5 and 10 miles, including sector(s) affected;  | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.j            | j. estimate of any surface radioactive contamination in plant, onsite or offsite;  | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.k            | k. licensee emergency response actions underway;   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.l            | l. recommended emergency actions, including protective measures;   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.m            | m. request for any needed onsite support by offsite organizations; and   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.4.n            | n. prognosis for worsening or termination of event based on plant information.   | Applicable to Licensee                           |                             |                       |                            |                  |
| E.5              | State and local government organizations shall establish a system for disseminating to the public appropriate information contained in initial and follow up messages received from the licensee including the appropriate notification to   | Annex Q, Appendix 2, Tab 2 & Annex C, Appendix 2 | See SCORERP Cross Reference | Annex 25C, Appendix 2 | Annex D , Appendix 4 § B.9 | Annex 25A § IV.C |



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|                  | appropriate broadcast media, e.g., the Emergency Broadcast System (EBS).*<br>* <i>The Emergency Broadcast System (EBS) was replaced by the Emergency Alert System (EAS) by a Report and Order that the Federal Communications Commission issued on December 28, 1994 (59 FR 67090). (Source NUREG-0654 Addenda Mar 2002)</i>   |                     |                             |                       |                             |                         |
| E.6              | Each organization shall establish administrative and physical means, and the time required for notifying and providing prompt instructions to the public within the plume exposure pathway Emergency Planning Zone. (See Appendix 3.) It shall be the licensee's responsibility to demonstrate that such means exist, regardless of who implements this requirement. It shall be the responsibility of the State and local governments to activate such a system.  | Annex Q, Appendix 2 | See SCORERP Cross Reference | Annex 25C § II.A.3    | Annex D , Appendix 4 § B.11 | Annex 25a, Appendix 1   |
| E.7              | Each organization shall provide written messages intended for the public, consistent with the licensee's classification scheme. In particular, draft messages to the public giving instruction with regard to specific protective actions to be taken by occupants of affected areas shall be prepared and included as part of the State and local plans. Such messages should include the appropriate aspects of sheltering, ad hoc, respiratory protection, e.g., handkerchief over mouth, thyroid blocking or evacuation. The role of the licensee is to provide supporting information for the messages. For ad hoc respiratory protection see "Respiratory Protective Devices Manual" American Industrial Hygiene Association, 1963 pp. 123-126.*<br><br>* <i>The current Respiratory Protective Devices Manual (2nd edition) and the forthcoming 3rd edition do not contain a similar table for ad hoc respiratory protection; however, according to the American Industrial Hygiene Association, it is still correct to refer to the 1963 manual as the</i> | Annex D, Appendix 6 | See SCORERP Cross Reference | Annex 25C, Appendix 2 | Annex D , Appendix 4        | Annex 25a, Attachment 7 |

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|                  | <i>most recent version of the Respiratory Protection Manual that contains the ad hoc respiratory protection table. (Source NUREG-0654 Addenda Mar 2002)</i>  |  |                             |   |                       |                                      |
| F.1              | The communication Plans for emergencies shall include organizational titles and alternates for both ends of the communication links.   | Annex Q Appendix 2 § B.1                           | See SCORERP Cross Reference | Annex 25C, Appendix 1 Tab A                         | Annex C § IV.C        | Annex 25A § IV.C                     |
| F.1 (continued)  | Each organization shall establish reliable primary and backup means of communication for licensees, local, and State response organizations. Such systems should be selected to be compatible with one another.  | Annex Q Appendix 2 § B.1.b                         | See SCORERP Cross Reference | Annex 25C § IV.D.                                   | Annex E, Appendix 5   | Thru SCEMD                           |
| F.1.a            | Each plan shall include:<br>a. provision for 24-hour per day notification to and activation of the State/local emergency response network; and at a minimum, a telephone link and alternate, including 24-hour per day manning of communications links that initiate emergency response actions. | Annex Q Appendix 2 § B.1.b                         | See SCORERP Cross Reference | Annex 25C § IV.C.5.                                 | Annex Q § IV.A.8      | Annex 25a § VI.C.3                   |
| F.1.b            | b. provision for communications with contiguous State/local governments within the Emergency Planning Zones;   | Annex Q Appendix 2 § B.1.b                         | See SCORERP Cross Reference | Annex 25C § IV                                      | Annex E, Appendix 5   | Annex 25a § VI.B.1.a                 |
| F.1.c            | c. provision for communications as needed with Federal emergency response organizations;   | State Activity<br>See SCORERP                      | See SCORERP Cross Reference | Annex 25C § VI.A.7                                  | Basic Plan § IV.B.3.h | Annex 25a § VI.7                     |
| F.1.d            | d. provision for communications between the nuclear facility and the licensee's near-site Emergency Operations Facility, State and local emergency operations center, and radiological monitoring teams;   | State Activity<br>See SCORERP Basic Plan § IV.B.10 | See SCORERP Cross Reference | Annex 25C § VI.B                                    | Annex C § IV.A        | Annex 25a § VI.C.4                   |
| F.1.e            | e. provision for alerting or activating emergency personnel in each response organization; and   | Annex C Appendix 2                                 | See SCORERP Cross Reference | Annex 25C § VI.D Site Area Emergency Criteria Table | Annex C § V.B. 1&2    | Annex 25a Attachment 6 § B.2.a(1)(c) |
| F.1.f            | f. provision for communication by the licensee with NRC headquarters and NRC Regional Office Emergency Operations Centers and the licensee's near-site Emergency Operations Facility and radiological monitoring team assembly area.   | Applicable to Licensee                             |                             |   |                       |                                      |
| F.2              | Each organization shall ensure that a coordinated communication link for fixed and mobile medical support facilities exists.   | Annex Q § VII.B.1.b                                | See SCORERP Cross Reference | Annex 25C § VI.B.1.c                                | Annex B § IV.A.2      | Annex 25a § I.E.5                    |

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| F.3              | Each organization shall conduct periodic testing of the entire emergency communications system (see evaluation criteria H.10, N.2.a and Appendix 3).   | Alert Notification Testing conducted by licensee annually. | See SCORERP Cross Reference | Alert Notification Testing conducted by licensee annually. | Annex B § IV.B.1.e            | Annex 25a § IV.Q.2                    |
| G.1              | Each organization shall provide a coordinated periodic (at least annually) dissemination of information to the public regarding how they will be notified and what their actions should be in an emergency.  | Annex Q, Appendix 2, Tab C                                 | See SCORERP Cross Reference | SCE&G Safety Information and Brochure                      | Annex D, Appendix 4 § B.11    | SCE&G Safety Information and Brochure |
| G.1.a            | This information shall include, but not necessarily be limited to:<br>a. educational information on radiation;   | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Safety Information and Brochure                      | Annex D, Appendix 4 § B.11    | SCE&G Safety Information and Brochure |
| G.1.b            | b. contact for additional information;   | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Safety Information and Brochure                      | Annex D, Appendix 4 § B.11    | SCE&G Safety Information and Brochure |
| G.1.c            | c. protective measures, e.g., evacuation routes and relocation centers, sheltering, respiratory protection, radioprotective drugs; and   | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Safety Information and Brochure                      | Annex D, Appendix 4 § B.11    | SCE&G Safety Information and Brochure |
| G.1.d            | d. special needs of the handicapped.   | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Safety Information and Brochure                      | Annex D, Appendix 4 § B.11    | SCE&G Safety Information and Brochure |
| G.1 (continued)  | Means for accomplishing this dissemination may include, but are not necessarily limited to: information in the telephone book; periodic information in utility bills; posting in public areas; and publications distributed on an annual basis.  | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Activity   | Annex D, Appendix 4 § B.11    | SCE&G Activity                        |
| G.2              | The public information program shall provide the permanent and transient adult population within the plume exposure EPZ an adequate opportunity to become aware of the information annually. The programs should include provision for written material that is likely to be available in a residence during an emergency. | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Activity   | Annex D, Appendix 4 § B.11-16 | SCE&G Activity                        |
| G.2 (continued)  | Updated information shall be disseminated at least annually.   | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Activity   | Annex D, Appendix 4 § B.11-16 | SCE&G Activity                        |
| G.2 (continued)  | Signs or other measures (e.g., decals, posted notices or other means, placed in hotels, motels, gasoline stations and phone booths) shall also be used to disseminate to any transient population within the plume exposure pathway EPZ  | Annex D, Appendix 6, § B.11                                | See SCORERP Cross Reference | SCE&G Activity   | Annex D, Appendix 4 § B.11-16 | SCE&G Activity                        |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.               | State of South Carolina     | Richland Co.       | Newberry Co.                  | Lexington Co.                               |
|------------------|--|-----------------------------|-----------------------------|--------------------|-------------------------------|---|
|                  | appropriate information that would be helpful if an emergency or accident occurs.  |                             |                             |                    |                               |   |
| G.2 (continued)  | Such notices should refer the transient to the telephone directory or other source of local emergency information and guide the visitor to appropriate radio and television frequencies.   | Annex D, Appendix 6, § B.11 | See SCORERP Cross Reference | SCE&G Activity     | Annex D, Appendix 4 § B.11-16 | SCE&G Activity                              |
| G.3.a            | a. Each principal organization shall designate the points of contact and physical locations for use by news media during an emergency.   | Annex Q § VII.A.3           | See SCORERP Cross Reference | Basic Plan § VII.D | Annex D Appendix 4            | Annex 25a Appendix 1, SAE, Local Actions 2) |
| G.3.b            | b. Each licensee shall provide space which may be used for a limited number of the news media at the near site Emergency Operations Facility.  | Applicable to Licensee      |                             |                    |                               |   |
| G.4.a            | a. Each principal organization shall designate a spokesperson who should have access to all necessary information.   | Annex D § VII.A.1           | See SCORERP Cross Reference | Basic Plan § VII.D | Annex D, Appendix 4 § B.1     | Annex 25a Appendix 1, SAE, Local Actions 2) |
| G.4.b            | b. Each organization shall establish arrangements for timely exchange of information among designated spokespersons.   | Annex D, Appendix 6 § B.7   | See SCORERP Cross Reference | Annex 25C § IV.E   | Annex D, Appendix 4 § B.5     | Annex 25a Appendix 1, SAE, Local Actions 2) |
| G.4.c            | c. Each organization shall establish coordinated arrangements for dealing with rumors.   | Annex D, Appendix 6 § B.9.f | See SCORERP Cross Reference | Annex 25C § IV.E   | Annex D, Appendix 4 § B.9.f   | Annex 25a Appendix 1, SAE, Local Actions 2) |
| G.5              | Each organization shall conduct coordinated programs at least annually to acquaint news media with the emergency plans, information concerning radiation, and points of contact for release of public information in an emergency.   | Annex D, Appendix 6 § B.17  | See SCORERP Cross Reference | SCE&G Activity     | Annex D, Appendix 4 § B.1.b   | SCE&G Activity                              |
| H.1              | Each licensee shall establish a Technical Support Center and an onsite operations support center (assembly area) in accordance with NUREG-0696, Revision 1.*<br><i>**Revision 1" should be deleted; NUREG-0696 has not been revised. (Source NUREG-0654 Addenda Mar 2002)</i>  | Applicable to Licensee      |                             |                    |                               |   |
| H.2              | Each licensee shall establish an Emergency Operations Facility from which evaluation and coordination of all licensee activities related to an emergency is to be carried out and from which the licensee shall provide information to Federal, State and local authorities responding to radiological emergencies in accordance with NUREG-0696, Revision 1.* | Applicable to Licensee      |                             |                    |                               |   |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT  | NUREG-0654 STATEMENT   | Fairfield Co.                         | State of South Carolina     | Richland Co.             | Newberry Co.     | Lexington Co.                              |
|-------------------|--|---------------------------------------|-----------------------------|--------------------------|------------------|--|
|                   | <i>**"Revision 1" should be deleted; NUREG-0696 has not been revised. (Source NUREG-0654 Addenda Mar 2002)</i>   |                                       |                             |                          |                  |  |
| H.3               | Each organization shall establish an emergency operations center for use in directing and controlling response functions.  | Annex A, § I.C.1<br>Annex A, § II.A.2 | See SCORERP Cross Reference | Basic Plan, Attachment 6 | Annex A § III    | Annex 25a § IV.D SAE County Admin. Actions |
| H.4               | Each organization shall provide for timely activation and staffing of the facilities and centers described in the plan.  | Annex Q § VII.A.1                     | See SCORERP Cross Reference | Annex 25C § VI.A         | Annex A § IV.A.1 | Annex 25a § IV.D SAE Actions               |
| H.5.a             | Each licensee shall identify and establish onsite monitoring systems that are to be used to initiate emergency measures in accordance with Appendix 1, as well as those to be used for conducting assessment.<br><br>The equipment shall include:<br><br>a. geophysical phenomena monitors, (e.g., meteorological, hydrologic, seismic);<br><br>b. | Applicable to Licensee                |                             |                          |                  |  |
| H.5.b             | b. radiological monitors, (e.g., process, area, emergency, effluent, wound and portable monitors and sampling equipment);  | Applicable to Licensee                |                             |                          |                  |  |
| H.5.c             | c. process monitors, (e.g., reactor coolant system pressure and temperature, containment pressure and temperature, liquid levels, flow rates, status or lineup of equipment components); and   | Applicable to Licensee                |                             |                          |                  |  |
| H.5.d             | d. fire and combustion products detectors.   | Applicable to Licensee                |                             |                          |                  |  |
| H.6.a             | Each licensee shall make provision to acquire data from or for emergency access to offsite monitoring and analysis equipment including:<br><br>a. geophysical phenomena monitors, (e.g., meteorological, hydrologic, seismic);   | Applicable to Licensee                |                             |                          |                  |  |
| H.6.b             | b. radiological monitors including radiometers and sampling devices.   | Applicable to Licensee                |                             |                          |                  |  |
| H.6.b (continued) | Dosimetry shall be provided and shall meet, as a minimum, the NRC Radiological Assessment Branch Technical position for the Environmental Radiological Monitoring Program; and   | Applicable to Licensee                |                             |                          |                  |  |
| H.6.c             | c. laboratory facilities, fixed or mobile.   | Applicable to Licensee                |                             |                          |                  |  |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.                       | State of South Carolina     | Richland Co.  | Newberry Co.       | Lexington Co.      |
|------------------|--|-------------------------------------|-----------------------------|---|--------------------|--------------------|
| H.7              | Each organization, where appropriate, shall provide for offsite radiological monitoring equipment in the vicinity of the nuclear facility.   | Annex S, Appendices 3 & 4           | See SCORERP Cross Reference | Annex 25C § IV.Q.3  | Annex Q § IV.M.1.c | Annex 25a § IV.P.3 |
| H.8              | Each licensee shall provide meteorological instrumentation and procedures which satisfy the criteria in Appendix 2,  | Applicable to Licensee              |                             |   |                    |                    |
| H.8 (continued)  | And provisions to obtain representative current meteorological information from other sources.   | Applicable to Licensee              |                             |   |                    |                    |
| H.9              | Each licensee shall provide for an onsite operations support center (assembly area) which shall have adequate capacity, and supplies, including, for example, respiratory protection,  | Applicable to Licensee              |                             |   |                    |                    |
| H.9 (continued)  | protective clothing,   | Applicable to Licensee              |                             |   |                    |                    |
| H.9 (continued)  | portable lighting,   | Applicable to Licensee              |                             |   |                    |                    |
| H.9 (continued)  | portable radiation monitoring equipment,   | Applicable to Licensee              |                             |   |                    |                    |
| H.9 (continued)  | cameras and  | Applicable to Licensee              |                             |   |                    |                    |
| H.9 (continued)  | communications equipment for personnel present in the assembly area.   | Applicable to Licensee              |                             |   |                    |                    |
| H.10             | Each organization shall make provisions to inspect, inventory and operationally check emergency equipment/instruments at least once each calendar quarter and after each use.  | Annex S § VI.C.<br>Annex Q § VI.Q.5 | See SCORERP Cross Reference | Only stated inventory is On June 1 for the Hurricane season.<br>Annex O | Annex Q § IV.Q.8   | Annex 25a § IV.P.8 |
| H.10 (continued) | There shall be sufficient reserves of instruments/equipment to replace those which are removed from emergency kits for calibration or repair.  | Annex S § VI.D.                     | See SCORERP Cross Reference | Annex 25C § IV.Q.3  | Annex Q § IV.Q.8   | Annex 25a § IV.P   |
| H.10 (continued) | Calibration of equipment shall be at intervals recommended by the supplier of the equipment.   | Annex S § IV.C.a.2                  | See SCORERP Cross Reference | Annex 25C § IV.Q.8<br>See STRERP  | Annex Q § IV.Q.8   | Annex 25a § IV.P   |
| H.11             | Each plan shall, in an appendix, include identification of emergency kits by general category (protective equipment, communications equipment, radiological monitoring equipment and emergency supplies).                          | Annex Q § IV.Q. 4.a                 | See SCORERP Cross Reference | Annex 25C § IV.Q.4  | Annex Q § IV.Q.7   | Annex 25a § IV.P   |
| H.12             | Each organization shall establish a central point (preferably associated with the licensee's near-site Emergency Operations Facility), for the receipt and analysis of all field monitoring data and coordination of sample media. | See the SCORERP                     | See SCORERP Cross Reference | See the SCORERP   | See the SCORERP    | See the SCORERP    |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT  | Fairfield Co. | State of South Carolina | Richland Co. | Newberry Co. | Lexington Co.          |
|------------------|---|---------------|-------------------------|--------------|--------------|------------------------|
| I.1              | Each licensee shall identify plant system and effluent parameter values characteristic of a spectrum of off-normal conditions and accidents, and shall identify the plant parameter values or other information, which correspond to the example initiating conditions of Appendix 1.   |               |                         |              |              | Applicable to Licensee |
| I.1 (continued)  | Such parameter values and the corresponding emergency class shall be included in the appropriate facility emergency procedures.   |               |                         |              |              | Applicable to Licensee |
| I.1 (continued)  | Facility emergency procedures shall specify the kinds of instruments being used and their capabilities.   |               |                         |              |              | Applicable to Licensee |
| I.2              | Onsite capability and resources to provide initial values and continuing assessment throughout the course of an accident shall include:<br>post-accident sampling capability,   |               |                         |              |              | Applicable to Licensee |
| I.2 (continued)  | radiation and effluent monitors,  |               |                         |              |              | Applicable to Licensee |
| I.2 (continued)  | in-plant iodine instrumentation, and  |               |                         |              |              | Applicable to Licensee |
| I.2 (continued)  | Containment radiation monitoring in accordance with NUREG-0578, as elaborated in the NRC letter to all power reactor licensees dated October 30, 1979.*<br><i>* NUREG-0737, "Clarification of TMI Action Plan Requirements," November 1980, and Supplement 1 to NUREG-0737, January 1983, supersede these citations. (Source NUREG-0654 Addenda Mar 2002)</i> |               |                         |              |              | Applicable to Licensee |
| I.3.a            | Each licensee shall establish methods and techniques to be used for determining:<br><br>a. the source term of releases of radioactive material within plant systems. An example is the relationship between the containment radiation monitor(s) reading(s) and radioactive material available for release from containment.                                  |               |                         |              |              | Applicable to Licensee |
| I.3.b            | b. the magnitude of the release of radioactive materials based on plant system parameters and effluent monitors.  |               |                         |              |              | Applicable to Licensee |
| I.4              | Each licensee shall establish the relationship between effluent monitor readings and onsite and offsite exposures   |               |                         |              |              | Applicable to Licensee |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.                  | State of South Carolina     | Richland Co.         | Newberry Co.         | Lexington Co.        |
|------------------|--|--------------------------------|-----------------------------|----------------------|----------------------|----------------------|
|                  | and contamination for various meteorological conditions.   |                                |                             |                      |                      |                      |
| I.5              | Each licensee shall have the capability of acquiring and evaluating meteorological information sufficient to meet the criteria of Appendix 2.  | Applicable to Licensee         |                             |                      |                      |                      |
| I.5 (continued)  | There shall be provisions for access to meteorological information by at least the near site Emergency Operations Facility, the Technical Support Center, the Control Room and an offsite NRC center.  | Applicable to Licensee         |                             |                      |                      |                      |
| I.5 (continued)  | The licensee shall make available to the State suitable meteorological data processing interconnections which will permit independent analysis by the State, of facility generated data in those States with the resources to effectively use this information.                              | Applicable to Licensee         |                             |                      |                      |                      |
| I.6              | Each licensee shall establish the methodology for determining the release rate/projected doses if the instrumentation used for assessment are off scale or inoperable.   | Applicable to Licensee         |                             |                      |                      |                      |
| I.7              | Each organization shall describe the capability and resources for field monitoring within the plume exposure Emergency Planning Zone which are an intrinsic part of the concept of operations for the facility.  | Annex S, Appendix 6 § III & IV | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8              | Each organization, where appropriate, shall provide methods, equipment and expertise to make rapid assessments of the actual or potential magnitude and locations of any radiological hazards through liquid or gaseous release pathways. This shall include activation, notification means, | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8 (continued)  | field team composition,  | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8 (continued)  | transportation,  | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8 (continued)  | communication,   | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8 (continued)  | monitoring equipment and   | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |
| I.8 (continued)  | estimated deployment times.  | State Function in SC           | See SCORERP Cross Reference | State Function in SC | State Function in SC | State Function in SC |



## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT  | Fairfield Co.                   | State of South Carolina     | Richland Co.                   | Newberry Co.            | Lexington Co.      |
|------------------|---|---------------------------------|-----------------------------|--------------------------------|-------------------------|--------------------|
| I.9              | Each organization shall have a capability to detect and measure radioiodine concentrations in air in the plume exposure EPZ as low as $10^{-7}$ uCi/cc (microcuries per cubic centimeter) under field conditions. Interference from the presence of noble gas and background radiation shall not decrease the stated minimum detectable activity. | Applicable to Licensee & State  | See SCORERP Cross Reference | Applicable to Licensee & State |                         |                    |
| I.10             | Each organization shall establish means for relating the various measured parameters (e.g., contamination levels, water and air activity levels) to dose rates for key isotopes (i.e., those given in Table 3, page 18) and gross radioactivity measurements.   | Applicable to Licensee & State  | See SCORERP Cross Reference | Applicable to Licensee & State |                         |                    |
| I.10 (continued) | Provisions shall be made for estimating integrated dose from the projected and actual dose rates and for comparing these estimates with the protective action guides. The detailed provisions shall be described in separate procedures.  | Applicable to Licensee & State  | See SCORERP Cross Reference | Applicable to Licensee & State |                         |                    |
| I.11             | Arrangements to locate and track the airborne radioactive plume shall be made, using either or both Federal and State resources.  | Applicable to Licensee & State  | See SCORERP Cross Reference | Applicable to Licensee & State |                         |                    |
| J.1.a            | Each licensee shall establish the means <u>and time</u> required to warn or advise onsite individuals and individuals who may be in areas controlled by the operator, including:  | Applicable to Licensee          |                             |                                |                         |                    |
| J.1.b            | a. Employees not having emergency assignments;  |                                 |                             |                                |                         |                    |
| J.1.c            | b. Visitors;  |                                 |                             |                                |                         |                    |
| J.1.d            | c. Contractor and construction personnel; and   |                                 |                             |                                |                         |                    |
| J.2              | d. Other persons who may be in the public access areas on or passing through the site or within the owner controlled area.  | Annex E § IV.B.1.h & Appendix 7 | See SCORERP Cross Reference | Annex 25C § IV.L.5.c           | Annex E, Appendix 7 A&B | Annex 25a § IV.L.5 |
| J.3              | Each licensee shall provide for radiological monitoring of people evacuated from the  | Applicable to Licensee          |                             |                                |                         |                    |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co. | State of South Carolina | Richland Co.           | Newberry Co. | Lexington Co. |
|------------------|--|---------------|-------------------------|------------------------|--------------|---------------|
|                  | site.  |               |                         |                        |              |               |
| J.4              | Each licensee shall provide for the evacuation of onsite non-essential personnel in the event of a Site or General Emergency and   |               |                         | Applicable to Licensee |              |               |
| J.4 (continued)  | shall provide a decontamination capability at or near the monitoring point specified in J.3.   |               |                         | Applicable to Licensee |              |               |
| J.5              | Each licensee shall provide for a capability to account for all individuals onsite at the time of the emergency and ascertain the names of missing individuals within 30 minutes of the start of an emergency and account for all onsite individuals continuously thereafter.                |               |                         | Applicable to Licensee |              |               |
| J.6.a            | Each licensee shall, for individuals remaining or arriving onsite during the emergency, make provisions for:   |               |                         | Applicable to Licensee |              |               |
| J.6.b            | a. Individual respiratory protection;  |               |                         |                        |              |               |
| J.6.c            | b. Use of protective clothing; and   |               |                         | Applicable to Licensee |              |               |
| J.6.c            | c. Use of radioprotective drugs, (e.g., individual thyroid protection).  |               |                         | Applicable to Licensee |              |               |
| J.7              | Each licensee shall establish a mechanism for recommending protective actions to the appropriate State and local authorities.  |               |                         | Applicable to Licensee |              |               |
| J.7 (continued)  | These shall include Emergency Action Levels corresponding to projected dose to the population-at-risk, in accordance with Appendix 1 and   |               |                         | Applicable to Licensee |              |               |
| J.7 (continued)  | with the recommendations set forth in Tables 2.1 and 2.2 of the Manual of Protective Action Guides and Protective Actions for Nuclear Incidents (EPA-520/1-75-001).*<br><i>* EPA issued EPA-400-R-92-001, May 1992, which supersedes this document. (Source NUREG-0654 Addenda Mar 2002)</i> |               |                         | Applicable to Licensee |              |               |
| J.7 (continued)  | As specified in Appendix 1, prompt notification shall be made directly to the offsite authorities responsible for implementing protective measures within the plume exposure pathway Emergency Planning Zone.  |               |                         | Applicable to Licensee |              |               |
| J.8              | Each licensee's plan shall contain time estimates for evacuation within the plume  |               |                         | Applicable to Licensee |              |               |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT   | NUREG-0654 STATEMENT  | Fairfield Co.              | State of South Carolina     | Richland Co.                                 | Newberry Co.              | Lexington Co.                 |
|--------------------|---|----------------------------|-----------------------------|--|---------------------------|-------------------------------|
|                    | exposure EPZ. These shall be in accordance with Appendix 4.   |                            |                             |  |                           |                               |
| J.9                | Each State and local organization shall establish a capability for implementing protective measures based upon protective action guides and other criteria.   | Annex Q, Appendix 2 § B. 2 | See SCORERP Cross Reference | Annex 25C § IV.L.1                           | Annex Q § IV.L            | Annex 25a § IV.D              |
| J.9 (continued)    | This shall be consistent with the recommendations of EPA regarding exposure resulting from passage of radioactive airborne plumes, (EPA-520/1-75-001) and with those of DHEW (DHHS)/FDA regarding radioactive contamination of human food and animal feeds as published in the Federal Register of December 15, 1978 (43 FR 58790). * EPA issued EPA-400-R-92-001, May 1992, which supersedes EPA-5201 1-75-001. The Food and Drug Administration (FDA), Department of Health and Human Services (DHHS), issued "Guidance on Accidental Radioactive Contamination of Human Food and Animal Feeds, Recommendations for State and Local Agencies, Availability," on August 13, 1998 (63 FR 43402). (Source NUREG-0654 Addenda Mar 2002) | Annex Q, Appendix 2 § B. 2 | See SCORERP Cross Reference | Annex 25C § IV.A.3                           | Annex Q § IV.L            | Annex 25a § IV.D              |
| J.10.a             | The organization's plans to implement protective measures for the plume exposure pathway shall include:<br>a. Maps showing evacuation routes,   | Annex Q Appendix 2 Tab C   | See SCORERP Cross Reference | Annex 25C § IV.E.2<br>Annex 25C Attachment 1 | Annex Q Attachments 1 & 2 | Annex 25a, Attachment 11      |
| J.10.a (continued) | evacuation areas,   | Annex Q Appendix 2 Tab C   | See SCORERP Cross Reference | Annex 25C § IV.E.2<br>Annex 25C Attachment 1 | Annex Q Attachments 1 & 2 | Annex 25a, Attachment 12      |
| J.10.a (continued) | preselected radiological sampling and monitoring points, (identification of radiological sampling and monitoring points shall include the designators in Table J-1 or an equivalent uniform system described in the plan);  | State Function             | See SCORERP Cross Reference | State Function                               |                           |                               |
| J.10.a (continued) | relocation centers in host areas,   | See SCORERP                | See SCORERP Cross Reference | Annex 25C § IV.E.2                           | Annex Q Attachments 1 & 2 | Annex 25a Strip Map pg 25a-54 |
| J.10.a (continued) | and shelter areas.  | See SCORERP                | See SCORERP Cross Reference | Annex 25C § IV.E.2                           | Annex Q Attachments 1 & 2 | Annex 25a Strip Map pg 25a-54 |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT   | NUREG-0654 STATEMENT  | Fairfield Co.                    | State of South Carolina     | Richland Co.             | Newberry Co.                    | Lexington Co.                           |
|--------------------|---|----------------------------------|-----------------------------|--------------------------|---------------------------------|---|
| J.10.b             | b. Maps showing population distribution around the nuclear facility. This shall be by evacuation areas (licensees shall also present the information in a sector format);   | Annex Q § IV.L.5.a               | See SCORERP Cross Reference | Annex 25C Attachment 3   | Annex Q Appendix 2              | Annex 25a, Attachment 12                |
| J.10.c             | c. Means for notifying all segments of the transient and resident population;   | Annex D, Appendix 6 § B & § B.11 | See SCORERP Cross Reference | Annex 25C Appendix 2     | Annex Q Appendix 2              | Annex 25a § IV.D SAE Emer Mgr Duties 3. |
| J.10.d             | d. Means for protecting those persons whose mobility may be impaired due to such factors as institutional or other confinement;   | Annex Q § IV.L.1 & 2             | See SCORERP Cross Reference | Basic Plan § IV.B        | Basic Plan § IV.B               | SCE&G Safety Information and Brochure   |
| J.10.e             | e. Provisions for the use of radioprotective drugs, particularly for emergency workers and institutionalized persons within the plume exposure EPZ whose immediate evacuation may be infeasible or very difficult,  | Annex Q § IV.L.1 & 2             | See SCORERP Cross Reference | Annex 25C Attachment 13. | Annex Q State Action #14 Pg Q18 | Annex25a, Attachment 13                 |
| J.10.e (continued) | including quantities, storage, and means of distribution.   | See SCORERP                      | See SCORERP Cross Reference | See SCORERP              | See SCORERP                     | Annex25a, Attachment 13                 |
| J.10.f             | f. State and local organizations' plans should include the method by which decisions by the State Health Department for administering radioprotective drugs to the general population are made during an emergency  | See SCORERP                      | See SCORERP Cross Reference | See SCORERP              | See SCORERP                     | Annex25a, Attachment 13                 |
| J.10.f (continued) | and the predetermined conditions under which such drugs may be used by offsite emergency workers;*<br>* <i>The Food and Drug Administration (FDA) issued "Potassium Iodide as a Thyroid Blocking Agent in a Radiation Emergency," on December 11, 2001 (66 FR 238:64046), which supersedes this citation.(Source NUREG-0654 Addenda Mar 2002)</i> | See SCORERP                      | See SCORERP Cross Reference | See SCORERP              | Annex Q § IV.G.3                | Annex25a, Attachment 13                 |
| J.10.g             | g. Means of relocation;   | Annex Q, § IV.K.2.E              | See SCORERP Cross Reference | Annex 25C § IV.L.        | Annex Q § IV.P                  | Annex 25a§ IV.K                         |
| J.10.h             | h. Relocation centers in host areas which are at least 5 miles, and preferably 10 miles, <u>beyond</u> the boundaries of the plume exposure emergency planning zone; (See K.8)  | Annex Q § VII.A.6                | See SCORERP Cross Reference | Annex 25C Attachment 1   | Annex Q, Appendix 8 § B.1.c     | Annex 25a§ IV.L.5.i                     |
| J.10.i             | i. Projected traffic capacities of evacuation routes under emergency conditions;  | Annex Q, Appendix 4              | See SCORERP Cross Reference | Annex 25C § IV.L.5.c     | Annex E, Appendix 7             | Annex 25a§ IV.L.5.h                     |
| J.10.j             | j. Control of access to evacuated areas and organization responsibilities for such control;   | Annex Q, Attachment 1            | See SCORERP Cross Reference | Annex 25C § IV.L.5.c     | Annex E, Appendix 7             | Annex 25a§ IV.L5.k                      |
| J.10.k             | k. Identification of and means for dealing with potential impediments (e.g., seasonal impassability of roads) to use of   | Annex O, § IV.B.4                | See SCORERP Cross Reference | Annex 25C § IV.L.5.c     | Annex E, Appendix 7             | Annex 25a§ IV.L.5.e-k                   |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT   | NUREG-0654 STATEMENT   | Fairfield Co.                  | State of South Carolina     | Richland Co.                   | Newberry Co.     | Lexington Co.       |
|--------------------|--|--------------------------------|-----------------------------|--------------------------------|------------------|---------------------|
|                    | evacuation routes, and contingency measures;   |                                |                             |                                |                  |                     |
| J.10.l             | Time estimates for evacuation of various sectors and distances based on a dynamic analysis (time-motion study under various conditions) for the plume exposure pathway emergency planning zone (See Appendix 4); and   | Annex Q, § IV.L.5              | See SCORERP Cross Reference | Annex 25C § IV.L.5.c           | Annex Q § IV.L.5 | Annex 25a§ IV.L.5.d |
| J.10.m             | m. The bases for the choice of recommended protective actions from the plume exposure pathway during emergency conditions.   | Applicable to Licensee & State | See SCORERP Cross Reference | Applicable to Licensee & State |                  |                     |
| J.10.m (continued) | This shall include expected local protection afforded * in residential units or other shelter for direct and inhalation exposure, as well as evacuation time estimates.<br><i>*EPA issued EPA 400-R-92-001 in May 1992, which supersedes this citation. (Source NUREG-0654 Addenda Mar 2002)</i> | Applicable to Licensee & State | See SCORERP Cross Reference | Applicable to Licensee & State |                  |                     |
| J.11               | Each State shall specify the protective measures to be used for the ingestion pathway, including the methods for protecting the public from consumption of contaminated foodstuffs.  | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | This shall include criteria for deciding whether dairy animals should be put on stored feed.   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | The plan shall identify procedures for detecting contamination,  | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | for estimating the dose commitment consequences of uncontrolled ingestion,   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | and for imposing protection procedures such as impoundment, decontamination, processing, decay, product diversion, and preservation.   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | Maps for recording survey and monitoring data, key land use data (e.g., farming), dairies, food processing plants, water sheds, water supply intake and treatment plants and reservoirs shall be maintained.   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | Provisions for maps showing detailed crop information may be by including reference to their availability and location and a plan for their use.   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |
| J.11 (continued)   | The maps shall start at the facility and include all of the 50-mile ingestion pathway EPZ.   | State Function                 | See SCORERP Cross Reference | Applicable to State            |                  |                     |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.          | State of South Carolina     | Richland Co.         | Newberry Co.     | Lexington Co.                                 |
|------------------|--|------------------------|-----------------------------|----------------------|------------------|---|
| J.11 (continued) | Up-to-date lists of the name and location of all facilities which regularly process milk products and other large amounts of food or agricultural products originating in the ingestion pathway Emergency Planning Zone, but located elsewhere, shall be maintained.   | State Function         | See SCORERP Cross Reference | Applicable to State  |                  |   |
| J.12             | Each organization shall describe the means for registering and monitoring of evacuees at relocation centers in host areas.   | Annex Q § V.B.3 & 4    | See SCORERP Cross Reference | Annex 25C § IV.A.4.c | Annex K § IV.B.3 | Annex 25a§ IV.D SAE under Fire Service Task 3 |
| J.12 (continued) | The personnel and equipment available should be capable of monitoring within about a 12 hour period all residents and transients in the plum exposure EPZ arriving at relocation centers.  | Annex S § IV.C.b.1.b   | See SCORERP Cross Reference | Annex 25C § IV.A.4.c | Annex K Page K43 | Annex 25a§ IV.L.6                             |
| K.1.a            | Each licensee shall establish onsite exposure guidelines consistent with EPA Emergency Worker and Lifesaving Activity Protective Actions Guides (EPA-520/1-75/001) for:<br><i>* EPA issued EPA 400-R-92-001 in May 1992, which supersedes this citation. (Source NUREG-0654 Addenda Mar 2002)</i>                  | Applicable to Licensee |                             |                      |                  |   |
| K.1.b            | a. removal of injured persons;   | Applicable to Licensee |                             |                      |                  |   |
| K.1.c            | b. undertaking corrective actions;   | Applicable to Licensee |                             |                      |                  |   |
| K.1.d            | c. performing assessment actions;  | Applicable to Licensee |                             |                      |                  |   |
| K.1.e            | d. providing first aid;  | Applicable to Licensee |                             |                      |                  |   |
| K.1.f            | e. performing personnel decontamination;   | Applicable to Licensee |                             |                      |                  |   |
| K.1.g            | f. providing ambulance service; and  | Applicable to Licensee |                             |                      |                  |   |
| K.1.g            | g. providing medical treatment services.   | Applicable to Licensee |                             |                      |                  |   |
| K.2              | Each licensee shall provide an onsite radiation protection program to be implemented during emergencies, including methods to implement exposure guidelines. The plan shall identify individual(s), by position or title, who can authorize emergency workers to receive doses in excess of 10 CFR Part 20 limits. | Applicable to Licensee |                             |                      |                  |   |
| K.2 (continued)  | Procedures shall be worked out in advance for permitting onsite volunteers to receive radiation exposures in the course  | Applicable to Licensee |                             |                      |                  |   |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT  | NUREG-0654 STATEMENT   | Fairfield Co.  | State of South Carolina     | Richland Co.         | Newberry Co.              | Lexington Co.          |
|-------------------|--|--|-----------------------------|----------------------|---------------------------|------------------------|
|                   | of carrying out lifesaving and other emergency activities. These procedures shall include expeditious decision making and a reasonable consideration of relative risks.  |  |                             |                      |                           |                        |
| K.3.a             | a. Each organization shall make provision for 24-hour-per-day capability to determine the doses received by emergency personnel involved in any nuclear accident, including volunteers.  | Annex S, Appendix 6 § IV   | See SCORERP Cross Reference | Annex 25C § IV.N.11  | Annex Q, Appendix 6       | Annex 25a Attachment 5 |
| K.3.a (continued) | Each organization shall make provisions for distribution of dosimeters, both self-reading and permanent record devices.  | Annex S § IV.C.b.1.d & e<br>Annex S, Appendix 6 § IV<br>Annex Q § IV.N.1 | See SCORERP Cross Reference | Annex 25C § IV.N.6   | Annex Q, Appendix 12      | Annex 25a Attachment 5 |
| K.3.b             | Each organization shall ensure that dosimeters are read at appropriate frequencies and   | Annex Q, Appendix 5<br>Annex Q, § IV.N.6                                 | See SCORERP Cross Reference | Annex 25C § IV.N.7   | Annex Q, Appendix 12      | Annex 25a Attachment 5 |
| K.3.b (continued) | provide for maintaining dose records for emergency workers involved in any nuclear accident.   | Annex Q, Appendix 5  | See SCORERP Cross Reference | Annex 25C § IV.N.8   | SCORERP Annex Q § IV.N    | Annex 25a Attachment 5 |
| K.4               | Each State and local organization shall establish the decision chain for authorizing emergency workers to incur exposures in excess of the EPA General Public Protective Action Guides (i.e., EPA PAGs for emergency workers and lifesaving activities).       | Annex Q, Appendix 5, Tab B   | See SCORERP Cross Reference | Annex 25C § IV.N.10  | SCORERP Annex Q § IV.N    | Annex 25a Attachment 5 |
| K.5.a             | a. Each organization as appropriate shall specify action levels for determining the need for decontamination.  | Annex Q, Appendix 7, § C.5 & SCORERP                                     | See SCORERP Cross Reference | Annex 25C § IV.M.3.d | Annex Q § IV.M.3          | STRERP. Appendix 7     |
| K.5.b             | b. Each organization, as appropriate, shall establish the means for radiological decontamination of emergency personnel wounds, supplies, instruments and equipment, and for waste disposal.   | Annex Q, Appendix 7, § D   | See SCORERP Cross Reference | Annex 25C § IV.M     | Annex Q, Appendix 15 & 18 | Annex 25a§ IV.M        |
| K.6.a             | Each licensee shall provide onsite contamination control measures including:<br>a. area access control;  | Applicable to Licensee   |                             |                      |                           |                        |
| K.6.b             | b. drinking water and food supplies;   | Applicable to Licensee   |                             |                      |                           |                        |
| K.6.c             | c. criteria for permitting return of areas and items to normal use, see Draft ANSI 13.12.*<br><i>*EPA PAG Manual, EPA 400-R-92-001 (see items 16 and 17), and the Food and Drug Administration, DHHS, "Guidance on Accidental Radioactive Contamination of</i> | Applicable to Licensee   |                             |                      |                           |                        |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT  | Fairfield Co.                    | State of South Carolina     | Richland Co.               | Newberry Co.        | Lexington Co.     |
|------------------|---|----------------------------------|-----------------------------|----------------------------|---------------------|-------------------|
|                  | <i>Human Food and Animal Feeds: Recommendations for State and Local Agencies," dated August 13, 1998 (63 FR 43402) supersede this citation. (Source NUREG-0654 Addenda Mar 2002)</i>  |                                  |                             |                            |                     |                   |
| K.7              | Each licensee shall provide the capability for decontaminating relocated onsite personnel,  | Applicable to Licensee           |                             |                            |                     |                   |
| K.7 (continued)  | including provisions for extra clothing and decontaminants suitable for the type of contamination expected, with particular attention given to radiiodine contamination of the skin.  | Applicable to Licensee           |                             |                            |                     |                   |
| L.1              | Each organization shall arrange for local and backup hospital and medical services having the capability for evaluation of radiation exposure and uptake,   | Annex H § IV.F.2.a               | See SCORERP Cross Reference | Annex B, Training, SCORERP | Annex Q § IV.O      | Annex 25a§ IV.N.1 |
| L.1 (continued)  | Including assurance that persons providing these services are adequately prepared to handle contaminated individuals.   | See SCORERP Per Annex Q § IV.S.8 | See SCORERP Cross Reference | Annex B, Training, SCORERP | Annex Q § IV.O.1    | Annex 25a§ IV.N.2 |
| L.2              | Each licensee shall provide for onsite first aid capability.  | Applicable to Licensee           |                             |                            |                     |                   |
| L.3              | Each State shall develop lists indicating the location of public, private and military hospitals and other emergency medical services facilities within the State or contiguous States considered capable of providing medical support for any contaminated injured individual. | Applicable to State              | See SCORERP Cross Reference | Applicable to State        |                     |                   |
| L.3 (continued)  | The listing shall include the name, location, type of facility and capacity and any special radiological capabilities.  | Applicable to State              | See SCORERP Cross Reference | Applicable to State        |                     |                   |
| L.3 (continued)  | These emergency medical services should be able to radiologically monitor personnel contamination, and  | Applicable to State              | See SCORERP Cross Reference | Applicable to State        |                     |                   |
| L.3 (continued)  | have facilities and trained personnel able to care for contaminated injured persons.  | Applicable to State              | See SCORERP Cross Reference | Applicable to State        |                     |                   |
| L.4              | Each organization shall arrange for transporting victims of radiological accidents to medical support facilities.   | Annex Q § IV.O.2                 | See SCORERP Cross Reference | Annex 25C § IV.O           | Annex Q § IV. K.2.c | Annex 25a§ IV.N.3 |
| M.1              | Each organization, as appropriate, shall develop general plans and procedures for reentry and recovery and describe the means by which decisions to relax protective measures (e.g., allow reentry into an evacuated area) are reached.   | Annex Q § IV.P                   | See SCORERP Cross Reference | Annex 25C § IV.P           | Annex Q § IV.P      | Annex 25a§ IV.O   |
| M.1 (continued)  | This process should consider both existing and potential conditions.  | Annex Q § IV.P                   | See SCORERP Cross Reference | Annex 25C § IV.P           | Annex Q § IV.P      | Annex 25a§ IV.O   |



## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT  | Fairfield Co.                    | State of South Carolina     | Richland Co.                     | Newberry Co.       | Lexington Co.     |
|------------------|---|----------------------------------|-----------------------------|----------------------------------|--------------------|-------------------|
| M.2              | Each licensee plan shall contain the position/title, authority and responsibilities of individuals who will fill key positions in the facility recovery organization.   | Applicable to Licensee           |                             |                                  |                    |                   |
| M.2 (continued)  | This organization shall include technical personnel with responsibilities to develop, evaluate and direct recovery and reentry operations. The recovery organization recommended by the Atomic Industrial Forum's "Nuclear Power Plant Emergency Response Plan" dated October 11, 1979, is an acceptable framework.*<br><i>**Functional Criteria for Emergency Response Facilities," NUREG-0696, issued on February 1981, and "Clarification of TMI Action Plan Requirements, Requirements for Emergency Response Capability," NUREG-0737, Supplement No. 1, issued January 1983, supersede this citation. (Source NUREG-0654 Addenda Mar 2002)</i> | Applicable to Licensee           |                             |                                  |                    |                   |
| M.3              | Each licensee and State plan shall specify means for informing members of the response organizations that a recovery operation is to be initiated, and of any changes in the organizational structure that may occur.   | Applicable to Licensee and State | STRERP Appendix VII         | Applicable to Licensee and State |                    |                   |
| M.4              | Each plan shall establish a method for periodically estimating total population exposure.   | Applicable to Licensee and State | STRERP Appendix III         | Applicable to Licensee and State |                    |                   |
| N.1.a            | a. An exercise is an event that tests the integrated capability and a major portion of the basic elements existing within emergency preparedness plans and organizations. The emergency preparedness exercise shall simulate an emergency that results in offsite radiological releases which would require response by offsite authorities. Exercises shall be conducted as set forth in NRC and FEMA rules.   | Annex Q § IV.R                   | See SCORERP Cross Reference | Annex 25C § IV.R.1.a             | Annex Q § IV.R     | Annex 25a§ IV.Q.1 |
| N.1.b            | b. An exercise shall include mobilization of State and local personnel and resources adequate to verify the capability to respond to an accident scenario requiring response.   | Annex Q § IV.R.3                 | See SCORERP Cross Reference | Annex 25C § IV.R.1.a             | Annex Q § IV.R.1.b | Annex 25a§ IV.Q.1 |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT  | NUREG-0654 STATEMENT   | Fairfield Co.                                    | State of South Carolina     | Richland Co.                              | Newberry Co.                              | Lexington Co.                                    |
|-------------------|--|--|-----------------------------|---|---|--|
| N.1.b (continued) | The organization shall provide for a critique of the annual exercise by Federal and State observers/evaluators.  | Annex Q § IV.R.3                                 | See SCORERP Cross Reference | Annex 25C § IV.R.1.a                      | Annex Q § IV.R.1.b                        | Annex 25a§ IV.Q.1                                |
| N.1.b (continued) | The scenario should be varied from year to year such that all major elements of the plans and preparedness organizations are tested within a five-year period.   | Annex Q § IV.R.3                                 | See SCORERP Cross Reference | Annex 25C § IV.R.1.a                      | Annex Q § IV.R.1.b                        | Annex 25a§ IV.Q.1                                |
| N.1.b (continued) | Each organization should make provisions to start an exercise between 6:00 p.m. and midnight, and  | Combined into one activity between 6 pm and 4 am | See SCORERP Cross Reference | Annex 25C § IV.R.1.b                      | Annex Q § IV.R.1.b                        | Combined into one activity between 6 pm and 4 am |
| N.1.b (continued) | another between midnight and 6:00 a.m. once every six years.   | Combined into one activity between 6 pm and 4 am | See SCORERP Cross Reference | Annex 25C § IV.R.1.b                      | Annex Q § IV.R.1.b                        | Combined into one activity between 6 pm and 4 am |
| N.1.b (continued) | Exercises should be conducted under various weather conditions.  | Annex Q § IV.R.3                                 | See SCORERP Cross Reference | Annex 25C § IV.R.1.b                      | Annex Q § IV.R.1.b                        | Annex 25a§ IV.Q.1                                |
| N.1.b (continued) | Some exercises should be unannounced.  | Exercise times are determined by licensee        | See SCORERP Cross Reference | Exercise times are determined by licensee | Exercise times are determined by licensee | Exercise times are determined by licensee        |
| N.2.a             | A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. A drill is often a component of an exercise. A drill shall be supervised and evaluated by a qualified drill instructor. Each organization shall conduct drills, in addition to the annual exercise at the frequencies indicated below:<br><br>a. <u>Communication Drills</u><br>Communications with State and local governments within the plume exposure pathway Emergency Planning Zone shall be tested monthly. | Annex Q § IV.R.2.a                               | See SCORERP Cross Reference | Annex 25C § IV.R.2.a                      | Annex Q § IV.R.2.a                        | Annex 25a§ IV.Q.2.a                              |
| N.2.a (continued) | Communications with Federal emergency response organizations and States within the ingestion pathway shall be tested quarterly.  | See SCORERP                                      | See SCORERP Cross Reference | See SCORERP                               | See SCORERP                               | See SCORERP                                      |
| N.2.a (continued) | Communications between the nuclear facility, State and local emergency operations centers, and field assessment teams shall be tested annually.  | See SCORERP                                      | See SCORERP Cross Reference | See SCORERP                               | See SCORERP                               | See SCORERP                                      |
| N.2.a (continued) | Communication drills shall also include the aspect of understanding the content of messages.   | Annex Q § IV.R.2.a                               | See SCORERP Cross Reference | Annex 25C § IV.R.2.a                      | Annex Q § IV.R.2.a                        | Annex 25a§ IV.Q.2.a                              |
| N.2.b             | b. <u>Fire Drills</u><br>Fire drills shall be conducted in accordance with the plant (nuclear facility) technical specifications.  | Applicable to Licensee                           | See SCORERP Cross Reference | Applicable to Licensee                    |   |  |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT  | NUREG-0654 STATEMENT  | Fairfield Co.                    | State of South Carolina     | Richland Co.                     | Newberry Co.                     | Lexington Co.                    |
|-------------------|---|----------------------------------|-----------------------------|----------------------------------|----------------------------------|----------------------------------|
| N.2.c             | <p>c. <u>Medical Emergency Drills</u></p> <p>A medical emergency drill involving a simulated contaminated individual which contains provisions for participation by the local support services agencies (i.e., ambulance and offsite medical treatment facility) shall be conducted annually. The offsite portions of the medical drill may be performed as part of the required annual exercise.</p> | Annex Q § IV.R.3.a.5             | See SCORERP Cross Reference | Annex 25C § IV.R.2.b             | Annex Q § IV.R.2.b               | Annex 25a§ IV.Q.2.b              |
| N.2.d             | <p>d. <u>Radiological Monitoring Drills</u></p> <p>Plant environs and radiological monitoring drills (onsite and offsite) shall be conducted annually.</p>  | See SCORERP State Activity in SC | See SCORERP Cross Reference | See SCORERP State Activity in SC | Annex Q § IV.R.3                 | Annex 25a§ IV.Q.2.c              |
| N.2.d (continued) | <p>These drills shall include collection and analysis of all sample media (e.g., water, vegetation, soil and air), and provisions for communications and record keeping. The State drills need not be at each site. Where appropriate, local organizations shall participate.</p>   | See SCORERP State Activity in SC | See SCORERP Cross Reference | See SCORERP State Activity in SC | See SCORERP State Activity in SC | See SCORERP State Activity in SC |
| N.2.e.1           | <p>e. <u>Health Physics Drills</u></p> <p>(1) Health Physics drills shall be conducted semi-annually which involve response to, and analysis of, simulated elevated airborne and liquid samples and direct radiation measurements in the environment. The State drills need not be at each site.</p>  | N/A                              | See SCORERP Cross Reference | Applicable to Licensee and State |                                  |                                  |
| N.2.e.2           | <p>(2) Analysis of in plant liquid samples with actual elevated radiation levels including use of the post-accident sampling system shall be included in Health Physics drills by licensees annually.</p>   | Applicable to Licensee           |                             |                                  |                                  |                                  |

**County Offsite Plan Matrix for V.C. Summer**  
**NUREG-0654 Emergency Preparedness Cross Reference**

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.    | State of South Carolina     | Richland Co.           | Newberry Co.   | Lexington Co.                                    |
|------------------|--|------------------|-----------------------------|------------------------|----------------|--|
| N.3.a            | Each organization shall describe how exercises and drills are to be carried out to allow free play for decision making and to meet the following objectives. Pending the development of exercise scenarios and exercise evaluation guidance by NRC and FEMA the scenarios for use in exercises and drills shall include but not be limited to, the following:<br><br>a. The basic objective(s) of each drill and exercise and appropriate evaluation criteria; | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.a & b<br>Conduct of Exercises |
| N.3.b            | b. The date(s), time period, place(s) and participating organizations;   | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.d.1                           |
| N.3.c            | c. The simulated events;   | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.d.2                           |
| N.3.d            | d. A time schedule of real and simulated initiating events;  | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.d.3                           |
| N.3.e            | e. A narrative summary describing the conduct of the exercises or drills to include such things as simulated casualties, offsite fire department assistance, rescue of personnel, use of protective clothing, deployment of radiological monitoring teams, and public information activities; and  | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.d.4                           |
| N.3.f            | f. A description of the arrangements for and advance materials to be provided to official observers.   | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1.    | Annex Q § IV.R | Annex 25a § IV.Q.3.d.5                           |
| N.4              | Official observers from Federal, State or local governments will observe, evaluate, and critique the required exercises. A critique shall be scheduled at the conclusion of the exercise to evaluate the ability of organizations to respond as called for in the plan. The critique shall be conducted as soon as practicable after the exercise, and   | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1     | Annex Q § IV.R | Annex 25a § IV.Q.3.d.6                           |
| N.4 (continued)  | a formal evaluation should result from the critique.   | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.1     | Annex Q § IV.R | Annex 25a § IV.Q.3.d.6                           |
| N.5              | Each organization shall establish means for evaluating observer and participant comments on areas needing improvement, including emergency plan procedural changes, and  | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.3.(6) | Annex Q § IV.R | Annex 25a § IV.Q.3.d.6                           |
| N.5 (continued)  | for assigning responsibility for implementing corrective actions.  | Annex Q § IV.R.3 | See SCORERP Cross Reference | Annex 25C § IV.R.3.(6) | Not addressed  | Annex 25a § IV.Q.3.d.6                           |
| N.5 (continued)  | Each organization shall establish  | Annex Q § IV.R.3 | See SCORERP Cross           | Annex 25C §            | Not addressed  | Annex 25a §                                      |

## County Offsite Plan Matrix for V.C. Summer

### NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT  | Fairfield Co.                    | State of South Carolina     | Richland Co.         | Newberry Co.                            | Lexington Co.       |
|------------------|---|----------------------------------|-----------------------------|----------------------|---|---------------------|
|                  | management control used to ensure that corrective actions are implemented.  |                                  | Reference                   | IV.R.3.(6)           |   | IV.Q.3.d.6          |
| O.1.a            | Each organization shall assure the training of appropriate individuals.<br><br>a. Each facility to which the plant applies shall provide site specific emergency response training for those offsite emergency organizations who may be called upon to provide assistance in the event of an emergency,   | Applicable to Licensee           |                             |                      |   |                     |
| O.1.b            | b. Each offsite response organization shall participate in and receive training. Where mutual aid agreements exist between local agencies such as fire, police and ambulance/rescue, the training shall also be offered to the other departments who are members of the mutual aid district.  | Annex Q § IV.S                   | See SCORERP Cross Reference | Annex 25C § IV.S.3.b | Annex Q § IV.S                          | Annex 25a § IV.R.   |
| O.2              | The training program for members of the onsite emergency organization shall, besides classroom training, include practical drills in which each individual demonstrates ability to perform his assigned emergency function.   | Applicable to Licensee           |                             |                      |   |                     |
| O.2 (continued)  | During the practical drills, on-the-spot correction of erroneous performance shall be made and a demonstration of the proper performance offered by the instructor.   | Applicable to Licensee           |                             |                      |   |                     |
| O.3              | Training for individuals assigned to licensee first aid teams shall include courses equivalent to Red Cross Multi-Media.  | Applicable to Licensee           |                             |                      |   |                     |
| O.4.a            | Each organization shall establish a training program for instructing and qualifying personnel who will implement radiological emergency response plans. <sup>2/</sup> The specialized initial training and periodic retraining programs (including the scope, nature and frequency) shall be provided in the following categories:<br><br>a. Directors or coordinators of the response organizations; | Annex Q § IV.S                   | See SCORERP Cross Reference | Annex 25C § IV.S.1   | Annex Q § IV.S.1.a                      | Annex 25a § IV.R.1  |
| O.4.b            | b. Personnel responsible for accident assessment;   | See SCORERP Per Annex Q § IV.S.4 | See SCORERP Cross Reference | Annex 25C § IV.S.2   | See STRERP AA is a state responsibility | Annex 25a § IV.R.2  |
| O.4.c            | c. Radiological monitoring teams and radiological analysis personnel;   | See SCORERP Per Annex Q § IV.S   | See SCORERP Cross Reference | Annex 25C § IV.S.3   | Annex Q § IV.S                          | Annex 25a § IV.R.33 |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.                    | State of South Carolina     | Richland Co.            | Newberry Co.  | Lexington Co.        |
|------------------|--|----------------------------------|-----------------------------|-------------------------|---|----------------------|
| O.4.d            | d. Police, security and fire fighting personnel;   | Annex Q § IV.S.6                 | See SCORERP Cross Reference | Annex 25C § IV.S.4      | Annex Q § IV.S.3  | Annex 25a § IV.R.4   |
| O.4.e            | e. Repair and damage control/correctional action teams (onsite);   | Applicable to Licensee           |                             |                         |   |                      |
| O.4.f            | f. First aid and rescue personnel;   | See SCORERP Per Annex Q § IV.S.8 | See SCORERP Cross Reference | Annex 25C § IV.S.5      | Annex Q § IV.S.6  | Annex 25a § IV.R.5   |
| O.4.g            | g. Local support services personnel including Civil Defense/Emergency Service personnel;   | Annex Q § IV.S                   | See SCORERP Cross Reference | Annex 25C § IV.S.1      | Annex Q § IV.S  | Annex 25a § IV.R.1   |
| O.4.h            | h. Medical support personnel;  | See SCORERP Per Annex Q § IV.S.8 | See SCORERP Cross Reference | Annex 25C § IV.S.6      | Annex Q § IV.S.6  | Annex 25a § IV.R.6   |
| O.4.i            | i. Licensee's headquarters support personnel;  | Applicable to Licensee           |                             |                         |   |                      |
| O.4.j            | j. Personnel responsible for transmission of emergency information and instructions.   | Annex Q § IV.S.9                 | See SCORERP Cross Reference | Annex 25C § VII.A       | Annex Q § IV.S.7  | Annex 25a § IV.R.7   |
| O.5              | Each organization shall provide for the initial and annual retraining of personnel with emergency response responsibilities.   | Annex Q § IV.S.3                 | See SCORERP Cross Reference | Annex 25C § IV.S        | Annex Q § IV.S  | Annex 25a § IV.R     |
| P.1              | Each organization shall provide for the training of individuals responsible for the planning effort.   | Annex Q § IV.S.3                 | See SCORERP Cross Reference | Basic Plan § IV.3.b     | Basic Plan  | Annex 25a § IV.R     |
| P.2              | Each organization shall identify by title the individual with the overall authority and responsibility for radiological emergency response planning.   | Annex Q § IV.S.3                 | See SCORERP Cross Reference | Annex 25C § I.B         | Basic Plan Ordinance 102876, Article 1 Section (5)(2)(a) pg 7 | Annex 25a § IV.R.1   |
| P.3              | Each organization shall designate an Emergency Planning Coordinator with responsibility for the development and updating of emergency plans and coordination of these plans with other response organizations. | Annex Q § IV.B.1                 | See SCORERP Cross Reference | Annex 25C § IV.S.1.b    | Basic Plan Ordinance 102876, Article 1 Section (5)(2)(a) pg 7 | Annex 25a § IV.A.1.j |
| P.4              | Each organization shall update its plan and agreements as needed, review and certify it to be current on an annual basis.  | Annex Q § IV.T.1                 | See SCORERP Cross Reference | Basic Plan § IV.E.1.b   | Annex Q § IV.T.1  | Annex 25a § IV.A.1.j |
| P.4 (continued)  | The update shall take into account changes identified by drills and exercises.   | Annex Q § VIII.B.2               | See SCORERP Cross Reference | Basic Plan § IV.E.1.c   | Basic Plan IV.B.3.a   | Annex 25a § IV.A.1.j |
| P.5              | The emergency response plans and approved changes to the plans shall be forwarded to all organizations and appropriate individuals with responsibility for implementation of the plans.                        | Annex Q § VIII.B.3               | See SCORERP Cross Reference | Basic Plan Attachment 5 | Basic Plan IV.B.3.a   | Annex 25a § IV.A.1.j |
| P.5 (continued)  | Revised pages shall be dated and marked to show where changes have been made.  | Annex Q § VIII.B.4               | See SCORERP Cross Reference | Basic Plan § IV.E.1.b   | Basic Plan IV.B.3.a   | Annex 25a § IV.A.1.j |
| P.6              | Each plan shall contain a detailed listing of supporting plans and their source.   | Annex Q § I.C                    | See SCORERP Cross Reference | Basic Plan Attachment 4 | Basic Plan Attachment 4                                       | Annex 25a § V.A      |
| P.7              | Each plan shall contain as an appendix listing, by title, procedures required to implement the plan.   | Appendices to Annex, pg Q-34     | See SCORERP Cross Reference | Annex 25C Appendix 8    | Appendices Listing pg Q44                                     | N/A                  |

## County Offsite Plan Matrix for V.C. Summer NUREG-0654 Emergency Preparedness Cross Reference

| PLANNING ELEMENT | NUREG-0654 STATEMENT   | Fairfield Co.              | State of South Carolina     | Richland Co.                   | Newberry Co.               | Lexington Co.            |
|------------------|--|----------------------------|-----------------------------|--------------------------------|----------------------------|--------------------------|
| P.7 (continued)  | The listing shall include the section(s) of the plan to be implemented by each procedure.  | N/A                        | See SCORERP Cross Reference | Annex 25C Appendix 8           | Annex Q, Appendix 7        | N/A                      |
| P.8              | Each plan shall contain a specific table of contents.  | Annex Q TOC                | See SCORERP Cross Reference | Basic Plan TOC & Annex 25C TOC | Basic Plan TOC Annex Q TOC | Annex 25a TOC            |
| P.8 (continued)  | Plans submitted for review should be cross-referenced to these criteria.   | Available but not stated   | See SCORERP Cross Reference | Available but not stated       | Available but not stated   | Available but not stated |
| P.9              | Each licensee shall arrange for and conduct independent reviews of the emergency preparedness program at least every 12 months. (An independent review is one conducted by any competent organization either internal or external to the licensees' organization, but who are not immediately responsible for the emergency preparedness program). | Applicable to Licensee     |                             |                                |                            |                          |
| P.9 (continued)  | The review shall include the emergency plan, its implementing procedures and practices, training, readiness testing, equipment, and interfaces with State and local governments.   | Applicable to Licensee     |                             |                                |                            |                          |
| P.9 (continued)  | Management controls shall be implemented for evaluation and correction of review findings.   | Applicable to Licensee     |                             |                                |                            |                          |
| P.9 (continued)  | The result of the review, along with recommendations for improvements, shall be documented, reported to appropriate licensee corporate and plant management, and involved Federal, State and local organizations,  | Applicable to Licensee     |                             |                                |                            |                          |
| P.9 (continued)  | and retained for a period of five years.   | Applicable to Licensee     |                             |                                |                            |                          |
| P.10             | Each organization shall provide for updating telephone numbers in emergency procedures at least quarterly.   | TAB B, Appendix 2, Annex Q | See SCORERP Cross Reference | Annex 25 C § IV.T.5            | Annex Q § IV.T.4           | Annex 25a § II.a.9       |