

ATTACHMENT 2 TO AEP:NRC:0692CF

EXISTING TECHNICAL SPECIFICATIONS

PAGES MARKED TO REFLECT PROPOSED CHANGES

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TABLE 3.3-10 (Continued)  
Unit 1 and Common Area Fire Detection Systems

| <u>Detector System Location</u>             | <u>Total Number of Detectors</u> |                        |                        |
|---|----------------------------------|------------------------|------------------------|
|   | <u>Heat</u><br>(x/y)*            | <u>Flame</u><br>(x/y)* | <u>Smoke</u><br>(x/y)* |
| <b>U1 Cable Tunnels</b>                     |                                  |                        |                        |
| a) Quad 1 Cable Tunnel                      |                                  | 0/3                    | 0/4                    |
| b) Quad 2 Cable Tunnel                      |                                  | 0/4                    | 0/7                    |
| c) Quad 3N                                  |                                  | 0/3                    | 0/4                    |
| d) Quad 3S                                  |                                  | 0/3                    | 0/3                    |
| e) Quad 3M                                  |                                  | 0/3                    | 0/4                    |
| f) Quad 4                                   |                                  | 0/5                    | 0/6                    |
| <b>U1 Charcoal Filter Ventilation Units</b> |                                  |                        |                        |
| a) 2-HV-AES-1                               | 0/1*****                         |                        |                        |
| b) 2-HV-AES-2                               | 0/1*****                         |                        |                        |
| c) 2-HV-ACRF                                | 0/1*****                         |                        |                        |
| d) 2-HV-CIPX                                | 0/1*****                         |                        |                        |
| e) 2-HV-CPR                                 | 0/1*****                         |                        |                        |
| f) 12-HV-AFX                                | 0/1*****C                        |                        |                        |
| <b>U1 Containment*****</b>                  |                                  |                        |                        |
| a) RCP 1                                    | 1/0                              |                        |                        |
| b) RCP 2                                    | 1/0                              |                        |                        |
| c) RCP 3                                    | 1/0                              |                        |                        |
| d) RCP 4                                    | 1/0                              |                        |                        |
| e) Quad 1                                   | 19/0*****                        |                        |                        |
| f) Quad 2                                   | 4/0*****                         |                        |                        |
| g) Quad 3                                   | 23/0*****                        |                        |                        |
| h) Quad 4                                   | 12/0*****                        |                        |                        |

e) Cable Trays

58/0 \*\*\*\*\*

C (System protects area common to both Units 1 and 2

\*(x/y) x is number of Function A (early warning fire detection and notification only) instruments.

y is number of Function B (actuation of fire suppression systems and early warning and notification) instruments.

\*\*\*\*\* Originally installed to automatically deluge charcoal filters. However, manual actions are now necessary.

\*\*\*\*\* The fire detection instruments located within the Containment are not required to be OPERABLE during the performance of Type A Containment Leakage Rate tests.

\*\*\*\*\* Thermistors located in cable trays are assigned to a quadrant based on the location of the thermistor circuit startpoint.

Thermistors are located within all cable trays which contain combustible cables, in both upper and lower containment throughout quadrants 1-4.

TABLE 3.3-11 (Continued)

Unit 2 and Common Area Fire Detection Systems

| <u>Detection System Location</u>     | <u>Total Number of Detectors</u> |                        |                        |
|--------------------------------------|----------------------------------|------------------------|------------------------|
|                                      | <u>Heat</u><br>(x/y)*            | <u>Flame</u><br>(x/y)* | <u>Smoke</u><br>(x/y)* |
| U2 Cable Tunnels                     |                                  |                        |                        |
| a) Quad 1 Cable Tunnel               |                                  | 0/3                    | 0/4                    |
| b) Quad 2 Cable Tunnel               |                                  | 0/4                    | 0/7                    |
| c) Quad 3N                           |                                  | 0/3                    | 0/3                    |
| d) Quad 3S                           |                                  | 0/3                    | 0/4                    |
| e) Quad 3M                           |                                  | 0/3                    | 0/4                    |
| f) Quad 4                            |                                  | 0/5                    | 0/6                    |
| U2 Charcoal Filter Ventilation Units |                                  |                        |                        |
| a) 2-HV-AES-1                        | 0/1*****                         |                        |                        |
| b) 2-HV-AES-2                        | 0/1*****                         |                        |                        |
| c) 2-HV-ACRF                         | 0/1*****                         |                        |                        |
| d) 2-HV-CIPX                         | 0/1*****                         |                        |                        |
| e) 2-HV-CPR                          | 0/1*****                         |                        |                        |
| f) 12-HV-AFX                         | 0/1*****C                        |                        |                        |
| U2 Containment*****                  |                                  |                        |                        |
| a) RCP 1                             | 1/0                              |                        |                        |
| b) RCP 2                             | 1/0                              |                        |                        |
| c) RCP 3                             | 1/0                              |                        |                        |
| d) RCP 4                             | 1/0                              |                        |                        |
| e) Quad 1                            | 16/0*****                        |                        |                        |
| f) Quad 2                            | 7/0*****                         |                        |                        |
| g) Quad 3                            | 29/0*****                        |                        |                        |
| h) Quad 4                            | 14/0*****                        |                        |                        |
| e) Cable Trays 64/0 *****            |                                  |                        |                        |

C (System protects area common to both Units 1 and 2)

\*(x/y) x is number of Function A (early warning fire detection and notification only) instruments.

y is number of Function B (actuation of fire suppression systems and early warning and notification) instruments.

\*\*\*\*\* Originally installed to automatically deluge charcoal filters. However, manual actions are now necessary.

\*\*\*\*\* The fire detection instruments located within the Containment are not required to be OPERABLE during the performance of Type A Containment Leakage Rate tests.

\*\*\*\*\* Thermistors located in cable trays are assigned to a quadrant based on the location of the thermistor circuit startpoint.

Thermistors are located within cable trays, which contain combustible cables, in both upper and lower containment throughout quadrants 1-4.

ATTACHMENT 3 TO AEP:NRC:0692CF

PROPOSED REVISED TECHNICAL SPECIFICATION PAGES

TABLE 3.3-11 (Continued)

Unit 2 and Common Area Fire Detection Systems

| <u>Detection System Location</u>     | <u>Total Number of Detectors</u>   |                        |                        |
|--------------------------------------|--|------------------------|------------------------|
|                                      | <u>Heat</u><br>(x/y)*  | <u>Flame</u><br>(x/y)* | <u>Smoke</u><br>(x/y)* |
| U2 Cable Tunnels                     |  |                        |                        |
| a) Quad 1 Cable Tunnel               |  | 0/3                    | 0/4                    |
| b) Quad 2 Cable Tunnel               |  | 0/4                    | 0/7                    |
| c) Quad 3N                           |  | 0/3                    | 0/3                    |
| d) Quad 3S                           |  | 0/3                    | 0/4                    |
| e) Quad 3M                           |  | 0/3                    | 0/4                    |
| f) Quad 4                            |  | 0/5                    | 0/6                    |
| U2 Charcoal Filter Ventilation Units |  |                        |                        |
| a) 2-HV-AES-1                        | 0/1*****   |                        |                        |
| b) 2-HV-AES-2                        | 0/1*****   |                        |                        |
| c) 2-HV-ACRF                         | 0/1*****   |                        |                        |
| d) 2-HV-CIPX                         | 0/1*****   |                        |                        |
| e) 2-HV-CPR                          | 0/1*****   |                        |                        |
| f) 12-HV-AFX                         | 0/1*****C  |                        |                        |
| U2 Containment*****                  |  |                        |                        |
| a) RCP 1                             | 1/0  |                        |                        |
| b) RCP 2                             | 1/0  |                        |                        |
| c) RCP 3                             | 1/0  |                        |                        |
| d) RCP 4                             | 1/0  |                        |                        |
| e) Cable Trays                       | 64/0*****  |                        |                        |
| C                                    | System protects area common to both Units 1 and 2  |                        |                        |
| *(x/y)                               | x is number of Function A (early warning fire detection and notification only) instruments.  |                        |                        |
|                                      | y is number of Function B (actuation of fire suppression systems and early warning and notification) instruments.  |                        |                        |
| *****                                | Originally installed to automatically deluge charcoal filters. However, manual actions are now necessary.  |                        |                        |
| *****                                | The fire detection instruments located within the Containment are not required to be OPERABLE during the performance of Type A Containment Leakage Rate tests. |                        |                        |
| *****                                | Thermistors are located within all cable trays which contain combustible cables, in both both upper and lower containment throughout quadrants 1-4.            |                        |                        |

TABLE 3.3-10 (Continued)  
Unit 1 and Common Area Fire Detection Systems

| <u>Detector System Location</u>      | <u>Total Number of Detectors</u>   |                        |                        |
|--------------------------------------|--|------------------------|------------------------|
|                                      | <u>Heat</u><br>(x/y)*  | <u>Flame</u><br>(x/y)* | <u>Smoke</u><br>(x/y)* |
| U1 Cable Tunnels                     |  |                        |                        |
| a) Quad 1 Cable Tunnel               |  | 0/3                    | 0/4                    |
| b) Quad 2 Cable Tunnel               |  | 0/4                    | 0/7                    |
| c) Quad 3N                           |  | 0/3                    | 0/4                    |
| d) Quad 3S                           |  | 0/3                    | 0/3                    |
| e) Quad 3M                           |  | 0/3                    | 0/4                    |
| f) Quad 4                            |  | 0/5                    | 0/6                    |
| U1 Charcoal Filter Ventilation Units |  |                        |                        |
| a) 2-HV-AES-1                        | 0/1*****   |                        |                        |
| b) 2-HV-AES-2                        | 0/1*****   |                        |                        |
| c) 2-HV-ACRF                         | 0/1*****   |                        |                        |
| d) 2-HV-CIPX                         | 0/1*****   |                        |                        |
| e) 2-HV-CPR                          | 0/1*****   |                        |                        |
| f) 12-HV-AFX                         | 0/1*****C  |                        |                        |
| U1 Containment*****                  |  |                        |                        |
| a) RCP 1                             | 1/0  |                        |                        |
| b) RCP 2                             | 1/0  |                        |                        |
| c) RCP 3                             | 1/0  |                        |                        |
| d) RCP 4                             | 1/0  |                        |                        |
| e) Cable Trays                       | 58/0*****  |                        |                        |
| C                                    | System protects area common to both Units 1 and 2  |                        |                        |
| *(x/y)                               | x is number of Function A (early warning fire detection and notification only) instruments.<br>y is number of Function B (actuation of fire suppression systems and early warning and notification) instruments. |                        |                        |
| *****                                | Originally installed to automatically deluge charcoal filters. However, manual actions are now necessary.  |                        |                        |
| *****                                | The fire detection instruments located within the Containment are not required to be OPERABLE during the performance of Type A Containment Leakage Rate tests.   |                        |                        |
| *****                                | Thermistors are located within all cable trays which contain combustible cables, in both upper and lower containment throughout quadrants 1-4.   |                        |                        |