



Commonwealth Edison

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August 15, 1986

Mr. Harold R. Denton
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, DC. 20555

Subject: Braidwood Station Units 1 & 2
Proof and Review Tech Spec Changes
NRC Docket 50-456 and 50-457

Dear Mr. Denton:

Enclosed is an attachment which includes information which is to be included in the Final Draft of the Braidwood Technical Specifications.

Attachment 1 is a mark-up of Section 3/4, "Instrumentation," to the Braidwood Proof and Review Tech Specs. Changes have been made to Tables 3.3-11a and b, "Fire Detection Instruments" (pages 3/4 3-58 through 3-63) and Tables 3.7-5a and b, "Fire Hose Stations" (pages 3/4 7-36 through 7-44). These changes reflect Braidwood as-built conditions as of August 14, 1986. Please incorporate these changes in the Final Draft of the Braidwood Technical Specifications.

Please direct any questions you may have regarding this matter to this office.

One signed original and fifteen copies of this letter and its related attachment are being provided for your review.

Very truly yours,

I. M. Johnson
Nuclear Licensing Administrator

/klj
Att.
cc: J. Stevens
1986F

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Attachment 1
Revisions to Braidwood Station
Proof and Review Technical Specifications

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INSTRUMENTATION

SURVEILLANCE REQUIREMENTS (Continued)

4.3.3.7.2 The NFPA Standard 72D supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments shall be demonstrated OPERABLE at least once per 6 months.

TABLE 3.3-11a
FIRE DETECTION INSTRUMENTS
(UNIT 1)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
1. Containment ***				
Zone 11 Elev 426	Suppression	1 **		
Zone 12 Elev 426	Suppression	1 **		
Zone 2 Elev 401	Detection			2
Zone 3 Elev 401	Detection			2
Zone 4 Elev 401	Detection			2
Zone 5 Elev 401	Detection			2
Zone 6 Elev 426	Detection			6
Zone 76 Elev 426	Detection			13 11
Zone 7 Elev 414	Detection			7
Zone 24 Elev 414	Detection			16 18
2. Control Room				
Zone 29 Elev 383	Detection			4 3
Zone 68 Elev 451	Detection			3
Zone 69 Elev 451	Detection			12
Zone 75 Elev 451	Detection			20
Zone 68 Elev 451 (Unit 2)	Detection			3
3. Switchgear Rooms				
Zone 66 Elev 451	Detection			10 11
Zone 77 Elev 426	Detection			21 18
Zone 78 Elev 426	Detection			19
4. Upper Cable Spreading Room				
Zone 41 Elev 463	Detection			4
Zone 42 Elev 463	Detection			4
Zone 43 Elev 463	Detection			8
Zone 44 Elev 463	Detection			8
Zone 45 Elev 463	Detection			10 7
Zone 46 Elev 463	Detection			10 7
Zone 47 Elev 463	Detection			5
Zone 48 Elev 463	Detection			5
Lower Cable Spreading Room				
Zone 49 Elev 439	Detection			23 21
Zone 50 Elev 439	Detection			23 21
Zone 51 Elev 439	Detection			13 16
Zone 52 Elev 439	Detection			13 16
Zone 53 Elev 439	Detection			9 12
Zone 54 Elev 439	Detection			9 12
Zone 55 Elev 439	Detection			6 4
Zone 56 Elev 439	Detection			6 4
5. Remote Shutdown Panel				
Zone 13 Elev 383	Detection			7 6

TABLE 3.3-11a (Continued)

FIRE DETECTION INSTRUMENTS
(UNIT 1)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
6. Station Battery Room Zone 67 Elev 451	Detection			13 17
7. Diesel Generator Room Zone 37 Elev 401 Zone 38 Elev 401 Zone 71 Elev 401 Zone 72 Elev 401	Suppression Suppression Detection Detection	6 10 6 8	1 1	
8. Diesel Fuel Storage Zone 39 Elev 401 Zone 40 Elev 401 Zone 27 Elev 383 Zone 28 Elev 383 Zone 10 Elev 383	Suppression Suppression Suppression Suppression Detection	1 1 3 3 6		6
9. Safety Related Pumps Zone 41 Elev 383 Zone 42 Elev 383 Zone 16 Elev 364 Zone 18 Elev 364 Zone 19 Elev 364 Zone 20 Elev 346 Zone 21 Elev 346 Zone 11 Elev 330 (Unit 2)	Suppression Suppression Detection Detection Detection Detection Detection Detection	2 3 1		2 10 14 3 2 3 3 23 27
10. Fuel Storage Zone 39 Elev 401 Zone 38 Elev 426	Detection Detection		3	26 32
11. Auxiliary Building Zone 70 Elev 451 Zone 17 Elev 364 Zone 40 Elev 364 Zone 11 Elev 383 Zone 8 Elev 401 Zone 23 Elev 426 Zone 25 Elev 467 Zone 64 Elev 401 414 Zone 65 Elev 401 414 Zone 14 Elev 401 Zone 15 Elev 401 Zone 12 Elev 383	Detection Detection Detection Detection Detection Detection Detection Detection Detection Detection Detection			11 37 24 7 8 37 35 36 6 4 7 6 5 7 5 7 4 4 6

TABLE 3.3-11a (Continued)

FIRE DETECTION INSTRUMENTS
(UNIT 1)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
11. Auxiliary Building (continued)				
Zone 17 Elev 346 (Unit 2)	Detection			32 39
Zone 40 Elev 346 (Unit 2)	Detection			12 10
Zone 12 Elev 459 (Unit 2)	Detection			11
Zone 22 Elev 467 (Unit 2)	Detection			18 20
Zone 62 Elev 451 (Unit 2)	Detection			11
Zone 61 Elev 439 (Unit 2)	Detection			7 8
Zone 75 Elev 426 (Unit 2)	Detection			33 35

TABLE NOTATIONS

*A single detector in a zone marked "Detection" will alarm in the Main Control Room. A single detector in a zone marked "Suppression" will initiate suppression and alarm in the Main Control Room.

**These are Containment Ventilation temperature switches. Upon receipt of a Hi-Hi temperature, suppression must be manually initiated. These switches are not 72D supervised.

***The fire detection instruments located within the containment are not required to be OPERABLE during the performance of Type A containment leakage rate tests.

TABLE 3.3-11b

FIRE DETECTION INSTRUMENTS
(UNIT 2)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
1. Containment ***				
Zone 11 Elev 426	Suppression	1 **		
Zone 12 Elev 426	Suppression	1 **		
Zone 2 Elev 401	Detection			2
Zone 3 Elev 401	Detection			2
Zone 4 Elev 401	Detection			2
Zone 5 Elev 401	Detection			2
Zone 6 Elev 426	Detection			6
Zone 76 Elev 426	Detection			9 11
Zone 7 Elev 414	Detection			6 7
Zone 24 Elev 414	Detection			10 16
2. Control Room				
Zone 29 Elev 383 (Unit 1)	Detection			4 3
Zone 68 Elev 451	Detection			3
Zone 69 Elev 451	Detection			14 15
Zone 75 Elev 451 (Unit 1)	Detection			20
Zone 68 Elev 451 (Unit 1)	Detection			3
3. Switchgear Rooms				
Zone 66 Elev 451	Detection			6 11
Zone 77 Elev 426	Detection			9 18
Zone 78 Elev 426	Detection			9 19
4. Upper Cable Spreading Room				
Zone 41 Elev 463	Detection			4
Zone 42 Elev 463	Detection			4 3
Zone 43 Elev 463	Detection			8
Zone 44 Elev 463	Detection			8
Zone 45 Elev 463	Detection			9
Zone 46 Elev 463	Detection			9
Zone 47 Elev 463	Detection			5
Zone 48 Elev 463	Detection			5
Lower Cable Spreading Room				
Zone 49 Elev 439	Detection			8 21
Zone 50 Elev 439	Detection			8 21
Zone 51 Elev 439	Detection			19 21
Zone 52 Elev 439	Detection			19 22
Zone 53 Elev 439	Detection			11 12
Zone 54 Elev 439	Detection			11 12
Zone 55 Elev 439	Detection			6 7
Zone 56 Elev 439	Detection			6 7

TABLE 3.3-11b (Continued)

FIRE DETECTION INSTRUMENTS
(UNIT 2)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
5. Remote Shutdown Panel Zone 13 Elev 383 (Unit. 1)	Detection			7 8
6. Station Battery Room Zone 67 Elev 451	Detection			6 11
7. Diesel Generator Room Zone 37 Elev 401	Suppression	4 9		
Zone 38 Elev 401	Suppression	4 8		
Zone 71 Elev 401	Detection		1	
Zone 72 Elev 401	Detection		1	
8. Diesel Fuel Storage Zone 39 Elev 401	Suppression	1		
Zone 40 Elev 401	Suppression	1		
Zone 27 Elev 383	Suppression	3		
Zone 28 Elev 383	Suppression	3		
Zone 10 Elev 383	Detection	8		6
9. Safety Related Pumps Zone 41 Elev 383	Suppression	2 3		
Zone 42 Elev 383	Suppression	1		
Zone 16 Elev 364	Detection			2
Zone 18 Elev 364	Detection			3 14
Zone 19 Elev 364	Detection			2
Zone 20 Elev 346	Detection			3
Zone 21 Elev 346	Detection			3
Zone 11 Elev 330	Detection			23 26
10. Fuel Storage Zone 39 Elev 401 (Unit. 1)	Detection			29 32
Zone 38 Elev 426 (Unit. 1)	Detection		3	
11. Auxiliary Building Zone 17 Elev 346	Detection			32 39
Zone 40 Elev 346	Detection			12 10
Zone 22 Elev 467	Detection			18 20
Zone 62 Elev 451	Detection			11
Zone 14 Elev 401	Detection			4
Zone 15 Elev 401	Detection			4
Zone 64 Elev 401 414	Detection			3 7
Zone 65 Elev 401 414	Detection			3 7

TABLE 3.3-11b (Continued)

FIRE DETECTION INSTRUMENTS
(UNIT 2)

<u>INSTRUMENT LOCATION</u>	<u>INSTRUMENT TYPE*</u>	<u>TOTAL NUMBER OF INSTRUMENTS</u>		
		<u>Heat</u>	<u>Flame</u>	<u>Smoke</u>
11. Auxiliary Building (continued)				
Zone 61 Elev 439	Detection			7 ^B
Zone 70 Elev 451	Detection			11
Zone 75 Elev 426	Detection			33 ^B
Zone 25 Elev 467	Detection			7 ^B
Zone 17 Elev 364 (Unit 1)	Detection			37 ^B
Zone 40 Elev 364 (Unit 1)	Detection			7 ^B
Zone 11 Elev 383 (Unit 1)	Detection			37 ^B
Zone 8 Elev 401 (Unit 1)	Detection			36
Zone 23 Elev 426 (Unit 1)	Detection			6 ^B
Zone 12 Elev 459	Detection			11
Zone 12 Elev 383 (Unit 1)	Detection			6

TABLE NOTATIONS

*A single detector in a zone marked "Detection" will alarm in the Main Control Room. A single detector in a zone marked "Suppression" will initiate suppression and alarm in the Main Control Room.

**These are Containment Ventilation temperature switches. Upon receipt of a Hi-Hi temperature, suppression must be manually initiated. These switches are not 72D supervised.

***The fire detection instruments located within the containment are not required to be OPERABLE during the performance of Type A containment leakage rate tests.

TABLE 3.7-5a
(Unit 1)
FIRE HOSE STATIONS

LOCATION	ELEVATION	HOSE RACK REEL	ANGLE VALVE
<u>Aux. Roof</u>			
L-10: North wall U-1 of safety valve penthouse	481	1	OFP331
L-26: South wall U-2 of safety valve penthouse	481	2	OFP338
<u>Aux. Bldg.</u>			
S-18: By dumb waiter	480	233	OFP458
S-15: By U-1 prefilters (near stairs)	471	176	OFP329
S-21: By U-2 prefilters (near stairs)	471	177	OFP334
Q-17: Wall by elevator in upper cable room	469	244*	OFP469
P Q-19: Wall by stairs in upper cable room	469	252*	OFP477
L-11: Outside northwest corner of upper cable spreading room A-1	467	240	OFP465
L-14: By the northwest door of UCSR C-1	467	241*	OFP466
M-13: By the southeast corner of UCSR A-1	467	242*	OFP467
Q-13: In the southeast corner of UCSR B-1	467	243*	OFP468
P-18: Southeast corner of UCSR C-1	467	245*	OFP470
M-18: South wall of UCSR C-1	467	246*	OFP471
M-18: North wall of UCSR C-2	467	247*	OFP472
L-25: Outside southwest corner of UCSR A-2	467	248	OFP473
L-22: In the southwest corner of UCSR C-2	467	249*	OFP474
M-23: In the northeast corner of UCSR A-2	467	250*	OFP475
P-20: East wall of UCSR C-2	467	251*	OFP476
P Q-23: In the northeast corner of UCSR B-2	467	253*	OFP478
S-21: By U-2 VA Filters (U-2 side)	464	232	OFP457
S-15: By U-1 VA Filters (U-1 side)	464	234	OFP459
S-21: By VA Filters (U-2 side)	456	231	OFP456
S-15: By VA Filters (U-1 side)	456	235	OFP460
Q-24: Radwaste drumming Station	387	110	OFP375
L-10: By Control room refrig. units	387	106	OFP385
L-12: By blowdown after filters	387	107	OFP384
S-19: By 2A RHR heat exchanger room	387	112	OFP378

*Fire hoses that do not supply the primary means of fire suppression.

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BRAIDWOOD - UNITS 1 & 2

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TABLE 3.7-5a (Continued)
(Unit 1)
FIRE HOSE STATIONS

LOCATION	ELEVATION	HOSE RACK REEL	ANGLE VALVE
Aux. Bldg. (Continued)			
M-25 M-26: Radwaste control panel	387	109	OFP377
M-18: By Aux. Feedwater motor driven pump 1A	387	108	OFP383
N-23: By remote shutdown panel U-1	387	111	OFP376
Q-15: By 480V MCC 132X3	387	113	OFP382
V-18: By letdown heat exchanger	387	114	OFP379
P-7: East wall 6.9 kV switchgear room	455	20	OFP324
L-11: In UC HVAC Rm OA of LCSR C-1	455	22	OFP332
L-25: By OBVC HVAC room	455	27	OFP335
M-8: North wall of battery room	451 ⁵	279	OFP638
M-26: North wall of battery room	451 ⁵	280	OFP639
M-18: South wall U-1 AB by door	444	238*	OFP463
L-7: West wall LCSR A-1	443	207*	OFP330
M-10: In the northwest corner of LCSR B-1	443	208*	OFP327
P-10: In the northeast corner of LCSR B-1	443	209*	OFP325
M-13: North wall of LCSR C-1	443	210*	OFP326
P-13: East wall of LCSR D-1	443	211*	OFP328
M-18: North wall of LCSR U-2 by door	443	239*	OFP464
L-29: West wall LCSR A-2	443	212*	OFP336
M-26: Southwest corner of LCSR B-2	443	213*	OFP337
P-26: Southeast corner of LCSR B-2	443	214*	OFP340
M-23: South wall of LCSR C-2	443	215*	OFP341
P-21: West wall of LCSR D-2	443	216*	OFP333
S-21: By cabinet 2RY01EC (elec. pen. area)	431	229	OFP454
S-24: By U-2 cont. shield wall (elec pen. area)	431	230	OFP455
S-15: By Pzr htr. transformer (elec pen. area)	431	236	OFP461
S-12: By U-1 cont. shield wall (elec pen. area)	431	237	OFP462
M-18: Rad chem offices	430	57	OFP323
Q-10: Back of Div. 11 swgr room	430	283	OFP640
P-11: Outside Laundry Room	430	52	OFP313
Q-19: By U-2 VCT valve aisle	430	54	OFP342
P-24: By radwaste evaporator	430	55	OFP343
U X-17: By west door to decon/change area	430	58	OFP319
V-17: By east door to decon/change area	430	61	OFP320
Q-10: Curved wall area	430	213	OFP888

*Fire hoses that do not supply the primary means of fire suppression.

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TABLE 3.7-5a (Continued)
(Unit 1)
FIRE HOSE STATIONS

<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK REEL</u>	<u>ANGLE VALVE</u>	
<u>Aux. Bldg. (Continued)</u>				
	S-15: By Pzr. htr. transformer (elec pen. area)	419	174	OFP322
Q-11	Q-10: By electrical penetration area	419	205	OFP321
	L-11: By waste oil tank room	405	90	OFP315
	P-18: By elevator	405	91	OFP318
N-23	P-23: By spent resin pumps	405	92	OFP349
	Q-11: By laundry tanks	405	93	OFP314
	S-21: West of U-2 hydrogen recombiner	405	94	OFP348
	V-21: East of U-2 hydrogen recombiner	405	95	OFP345
	V-15: East of U-1 hydrogen recombiner control panel	405	96	OFP316
	S-15: West of U-1 hydrogen recombiner	405	97	OFP317
	N-11: By the recycle holdup tanks	368	130	OFP373
M-14	M-13: By the U-1 stairs	368	131	OFP374
P-14	P-13: By panel IPL84JB	368	132	OFP369
P-19	L-20: By the U-2 stairs	368	133	OFP355
	P-21: By the blowdown condenser	368	134	OFP356
	L-25: By the PW M/U pumps	368	135	OFP361
	N-25: By chemical drain tank	368	136	OFP357
	S-18: By panel IPL86J	368	138	OFP362
	Q-11: By Aux. Bldg. floor drain tanks	368	139	OFP368
	U-15: By U-1 spray add tank	368	140	OFP372
	V-18: By U-2 cent. chg. pump room	368	141	OFP366
	P-11: By recycle evaporator feed pumps	350	151	OFP381
	M-13: By U-1 stairs	350	152	OFP370
	N-23: By gas decay tanks	350	154	OFP352
	Q-19: By "B" Aux. Bldg. Equip. drain tank	350	155	OFP365
	Q-17: By "A" Aux. Bldg. Equip. drain tank	350	156	OFP371
	Q-13: By collection sump pumps	350	157	OFP380
	S-18: Between moderating heat exchangers	350	158	OFP354
	V-18: Between BR chiller units	350	161	OFP353
V	W-15: By CS pump IA	350	163	OFP367
	L-19: By OB recycle evap. room	350	153	OFP363

BRAIDWOOD - UNITS 1 & 2

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TABLE 3.7-5a (Continued)
(Unit 1)
FIRE HOSE STATIONS

LOCATION	ELEVATION	HOSE RACK REEL	ANGLE VALVE
<u>Aux. Bldg. (Continued)</u>			
M-13: By leak detection sump	334	165	OFP448
Q P-18: By elevator pit	334	166	OFP449
Q P-18: By 1B SX pump room	334	167	OFP351
M-23: By 1B SX pump room	334	168	OFP350
<u>Fuel Hand. Bldg.</u>			
Z-15: North of decon. area	430	170	OFP389
X-21: South of spent fuel pool	430	171	OFP386
Z-15: By 480V MCC 134X6	405	172	OFP388
AA-19: Outside FC pump room	405	173	OFP387
<u>Cont. #1</u>			
R-17: By reactor head assembly area	430	62	1FP163
R-3 R-2: By accumulator tank 1C	430	63	1FP154
R-7: By equipment hatch	430	64	1FP160
R-12: By charcoal filter 1A	430	65	1FP157
R-17: By north stairs	403	98	1FP164
R-2: By RCFC 1C	403	99	1FP155
R-7: By pressurizer (outside missile shield)	403	100	1FP161
R-12: By panel 1PL69J	403	101	1FP158
R-12: By PRT	381	143	1FP159
R-17: By north stairs	381	144	1FP162
R-2: By RCFC 1C	381	145	1FP156
R-7: By panel 1PL52J	381	146	1FP165
<u>Turbine Bldg.</u>			
K-18 K-14: By the control ^{shift off.} room	451 455	16	1FP194
L-6: Outside 1B D/G room	405	87	1FP183
K-10: Outside 1A D/G room	405	281	1FP275
L-7: Basement of Turbine Bldg.	361	129	1FP184
L-7: Outside Div. 12 SWGR	430	47	1FP181
L-10: Outside Div. 11 SWGR	430	51	1FP182
L-6 t-5: Outside non-ESF SWGR	455	18	1FP180
L-10: Outside battery room	455	21	1FP179
L-14: By the control room	455	292	OFP843

TABLE 3.7-5b
(Unit 2)
PIPE HOSE STATIONS

BRAIDWOOD - UNITS 1 & 2

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<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK REEL</u>	<u>ANGLE VALVE</u>
<u>Aux. Roof</u>			
L-10: North wall U-1 of safety valve penthouse	481	1	OFP331
L-26: South wall U-2 of safety valve penthouse	481	2	OFP338
<u>Aux. Bldg.</u>			
S-18: By dumb waiter	480	233	OFP458
S-15: By U-1 prefilters (near stairs)	471	176	OFP329
S-21: By U-2 prefilters (near stairs)	471	177	OFP334
Q-17: Wall by elevator in upper cable room	469	244*	OFP469
Q-19: Wall by stairs in upper cable room	469	252*	OFP477
L-11: Outside northwest corner of upper cable spreading room A-1	467	240	OFP465
L-14: By the northwest door of UCSR C-1	467	241*	OFP466
M-13: By the southeast corner of UCSR A-1	467	242*	OFP467
Q-13: In the southeast corner of UCSR B-1	467	243*	OFP468
P-18: Southeast corner of UCSR C-1	467	245*	OFP470
M-18: South wall of UCSR C-1	467	246*	OFP471
M-18: North wall of UCSR C-2	467	247*	OFP472
L-25: Outside southwest corner of UCSR A-2	467	248	OFP473
L-22: In the southwest corner of UCSR C-2	467	249*	OFP474
M-23: In the northeast corner of UCSR A-2	467	250*	OFP475
P-20: East wall of UCSR C-2	467	251*	OFP476
Q-23: In the northeast corner of UCSR B-2	467	253*	OFP478
S-21: By U-2 VA Filters (U-2 side)	464	232	OFP457
S-15: By U-1 VA Filters (U-1 side)	464	234	OFP459
S-21: By VA Filters (U-2 side)	456	231	OFP456
S-15: By VA Filters (U-1 side)	456	235	OFP460
Q-24: Radwaste Drumming Station	387	110	OFP375
L-10: By control room refrig. units	387	106	OFP385
L-12: By blowdown after filters	387	107	OFP384
S-19: By 2A RHR Heat Exchanger Room	387	112	OFP378

*Fire hoses that do not supply the primary means of fire suppression.

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TABLE 3.7-5b (Continued)
(Unit 2)
FIRE HOSE STATIONS

BRAIDWOOD UNITS 1 & 2 3/4 7-41	LOCATION	ELEVATION	HOSE RACK REEL	ANGLE VALVE
	Aux. Bldg (Continued)			
M-25	M-26: Radwaste Control Panel	387	109	OFFP377
	M-18: By Aux. Feedwater motor driven pump 1A	387	108	OFFP383
	N-23: By remote shutdown panel U-1	387	111	OFFP376
	Q-15: By 480V MCC 132X3	387	113	OFFP382
	V-18: By letdown heat exchanger	387	114	OFFP379
	P-29: East wall 6.9kV SWGR Rm U-2	455	29	OFFP339
	L-11: In UC HVAC Rm OA of LCSR C-1	455	22	OFFP332
	L-25: By OBVC HVAC Room	455	27	OFFP335
	M-8: North wall of battery room	451 ⁴⁵⁵	279	OFFP638
	M-26: North wall of battery room	451 ⁴⁵⁵	280	OFFP639
	M-18: South wall U-1 AB by door	444	238*	OFFP463
	L-7: West wall LCSR A-1	443	207*	OFFP330
	M-10: In the northwest corner of LCSR B-1	443	208*	OFFP327
	P-10: In the northwest corner of LCSR B-1	443	209*	OFFP325
	M-13: North wall of LCSR C-1	443	210*	OFFP326
	P-13: East wall of LCSR D-1	443	211*	OFFP328
	M-18: North wall of LCSR U-2 AB By Door	443	239*	OFFP464
	L-29: West wall LCSR A-2	443	212*	OFFP336
	M-26: In southwest corner of LCSR B-2	443	213*	OFFP337
	P-26: In southeast corner of LCSR B-2	443	214*	OFFP340
	M-23: South wall of LCSR C-2	443	215*	OFFP341
	P-21: West wall of LCSR D-2	443	216*	OFFP333
	S-21: By cabinet 2RY01EC (elec. pen. area)	431	229	OFFP454
	S-24: By U-2 cont. shield wall (elec pen. area)	431	230	OFFP455
	S-15: By Pzr htr. transformer (elec pen area)	431	236	OFFP461
	S-12: By U-1 cont shield wall (elec pen area)	431	237	OFFP462
	M-18: Rad Chem Offices	430	57	OFFP323
	P-11: Outside Laundry Room	430	52	OFFP313
	Q-19: By U-2 VCT valve aisle	430	54	OFFP342
	P-24: By radwaste evaporator	430	55	OFFP343
U	V-17: By west door to decon/change area	430	58	OFFP319
	V-17: By east door to decon/change area	430	61	OFFP320
	Q-26: Curved wall area	430	294	OFFP889

*Fire hoses that do not supply the primary means of fire suppression.

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TABLE 3.7-5b (Continued)
(Unit 2)
FIRE HOSE STATIONS

BRAIDWOOD - UNITS 1 & 2

<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK REEL</u>	<u>ANGLE VALVE</u>
<u>Aux. Bldg. (Continued)</u>			
V-19: By East Door to Decon Pad & Storage	430	59	OFP344
Q-26: Back of Div. 21 SWGR Room	430	284	OFP641
S-21: By U-2 Pzr. HTR. Transformer (elec. pen. area)	419	175	OFP347
Q-26: By U-2 Elect. Penetration Area	419	206	OFP346
L-11: By waste oil tank room	405	90	OFP315
P-18: By elevator	405	91	OFP318
N-23: By spent resin pumps	405	92	OFP349
Q-11: By laundry tanks	405	93	OFP314
S-21: West of U-2 hydrogen recombiner	405	94	OFP348
V-21: East of U-2 hydrogen recombiner	405	95	OFP345
V-15: East of U-1 hydrogen recombiner control panel	405	96	OFP316
S-15: West of U-1 hydrogen recombiner	405	97	OFP317
N-11: By the recycle holdup tanks	368	130	OFP373
M-13: By the U-1 stairs	368	131	OFP374
P-13: By panel 1PL84JB	368	132	OFP369
P-20: By the U-2 stairs	368	133	OFP355
P-21: By the blowdown condenser	368	134	OFP356
L-25: By the PW M/U pumps	368	135	OFP361
N-25: By chemical drain tank	368	136	OFP357
S-18: By panel 1PL86J	368	138	OFP362
Q-11: By Aux. Bldg. floor drain tanks	368	139	OFP368
Q-25: By spent resin flushing pump	368	137	OFP360
U-21: By U-2 spray add tank	368	142	OFP358
V-18: By U-2 cent. chg. pump room	368	141	OFP366
P-11: By recycle evaporator feed pumps	350	151	OFP381
M-13: By U-1 stairs	350	152	OFP370
N-23: By gas decay tanks	350	154	OFP352
Q-19: By "B" Aux. Bldg. Equip. drain tank	350	155	OFP365
Q-17: By "A" Aux. Bldg. Equip. drain tank	350	156	OFP371

M-14
P-14
P-19
3/4 7-42

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TABLE 3.7-5b (Continued)
 (Unit 2)
FIRE HOSE STATIONS

BRAIDWOOD - UNITS 1 & 2

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<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK REEL</u>	<u>ANGLE VALVE</u>
<u>Aux. Bldg. (Continued)</u>			
S-18: Between moderating heat exchangers	350	158	OFP354
V-18: Between BR chiller units	350	161	OFP353
Q-21: By U-2 collection sump pumps	350	159	OFP364
W-21: By CS Pump 2A	350	164	OFP359
L-19: By OB Recycle Evap Rm	350	153	OFP363
M-13: By leak detection sump	334	165	OFP448
F-18: By elevator pit	334	166	OFP449
F-18: By 1B SX pump room	334	167	OFP351
M-23: By 1B SX pump room	334	168	OFP350
<u>Fuel Hand. Bldg.</u>			
Z-15: North of decon. area	430	170	OFP389
X-21: South of spent fuel pool	430	171	OFP386
Z-15: By 480V MCC 134X6	405	172	OFP388
AA-19: Outside FC pump room	405	173	OFP387
<u>Cont. - #2</u>			
R-26: By personnel hatch	430	66	2FP163
R-31: By east stairs	430	67	2FP154
R-37: By reactor head assembly area	430	68	2FP160
R-42: By charcoal filter 2A	430	69	2FP157
R-26: By pressurizer (outside missile shield)	403	102	2FP164
R-31: By east stairs	403	103	2FP155
R-37: By south stairs	403	104	2FP161
R-42: Outside missile barrier by Loop D MS pipe	403	105	2FP158
R-26: By panel 2PL52J	381	147	2FP165
R-31: By east stairs	381	148	2FP156
R-37: By south stairs	381	149	2FP162
R-42: By PRT	381	150	2FP159

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TABLE 3.7-5b (Continued)
 (Unit 2)
FIRE HOSE STATIONS

BRAIDWOOD - UNITS 1 & 2

3/4 7-44

<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK REEL</u>	<u>ANGLE VALVE</u>
<u>Turbine Bldg. (Continued)</u>			
L-30: Outside Unit 2 non-ESF swgr	455	14	2FP232
L-24: In IM shop	455	15	2FP237
L-26: Outside Unit 2 battery room	455	28	2FP233
L-29: Outside Div. 22 swgr	430	42	2FP231
L-26: Outside Div. 21 swgr	430	56	2FP230
L-29: Outside 2B D/G room	405	82	2FP229
K-28: Outside 2A D/G room	405	282	2FP275
L-29: By 2C cond/cond booster pump	364	124	2FP228
K-18: By the shift off.	455	16	1FP194

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