



**Commonwealth Edison**

One First National Plaza, Chicago, Illinois

Address Reply to: Post Office Box 767

Chicago, Illinois 60690

May 17, 1984

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

Subject: Braidwood Station Units 1 and 2  
Site Drainage  
NRC Docket Nos. 50-456/457

Reference (a): T. R. Tramm letter to H. R. Denton  
dated February 22, 1984

Dear Mr. Denton:

Reference (a) provided information concerning the effects of local intense precipitation at Braidwood Station and discussed the use of reinforced concrete curbs and administrative controls at various entrances. The Enclosure to this letter provides a tabulation of accesses to safety-related buildings that are at, or below elevation 601.35 ft. MSL (reference elevation 401.35 ft.). In supplement to Reference (a), this information should allow for closure of Confirmatory Issue A(2) in the Braidwood SER.

Our FSAR will be amended to include the information contained in the Enclosure to this letter as appropriate. Please address any questions that you or your staff may have concerning this matter to this office.

One signed original and fifteen copies of this letter with Enclosure are provided for your use.

Very truly yours,

E. Douglas Swartz  
Nuclear Licensing Administrator

cc: J. G. Keppler - RIII  
RIII Inspector - Braidwood

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# BRAIDWOOD STATION

## TABULATION OF ACCESSES TO SAFETY-RELATED BUILDINGS AT OR BELOW ELEVATION 601.35 FT MSL (REFERENCE EL. 401.35 FT)

<u>NO.</u>	<u>LOCATION</u>	<u>FLOOD PROTECTION DETAIL</u>
1	Entrance at El. 401'-0" to Unit 1 Safety Valve Room at Azimuth 216°.	Concrete pad to El. 402'-0"
2	Entrance at El. 401'-0" to Unit 1 Safety Valve Room at Azimuth 327°.	Concrete pad to El. 402'-0"
3	Entrance at El. 401'-0" to Unit 2 Safety Valve Room at Azimuth 324°.	Concrete pad to El. 402'-0"
4	Entrance at El. 401'-0" to Unit 2 Safety Valve Room at Azimuth 213°.	Concrete pad to El. 402'-0"
5	Manhole entrance to Unit 1 Refueling Water Pipe Tunnel; top of shaft El. 401'-0".	Concrete curb raising top of shaft to El. 402'-8"
6	Manhole entrance to Unit 2 Refueling Water Pipe Tunnel; top of shaft El. 401'-0".	Concrete curb raising top of shaft to El. 402'-8"
7	Access at El. 401'-0" to Heat Exchanger area in Fuel Handling Building Area 2.	Concrete pad to El. 402'-0"
8	Access to Auxiliary Building from Fuel Handling Building at El. 401'-0" along Y-row near columns 15 and 21.	Concrete pad to El. 402'-0"
9	Entrance at El. 398'-0" to Radwaste Tunnel (at Transfer Pit) from Radwaste/Service Building.	Concrete pad to El. 402'-0"
10	Entrance to Auxiliary Building diesel oil storage Room 1A at El. 381'-6" along L-row from Turbine Building Unit 1.	Watertight door



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<u>NO.</u>	<u>LOCATION</u>	<u>FLOOD PROTECTION DETAIL</u>
11	Entrance to Auxiliary Building diesel oil storage Room 1B at El. 381'-6" along L-row from Turbine Building Unit 1	Watertight door
12	Entrance to Auxiliary Building diesel oil storage Room 2A at El. 381'-6" along L-row from Turbine Building Unit 1.	Watertight door
13	Entrance to Auxiliary Building diesel oil storage Room 2B at El. 381'-6" along L-row from Turbine Building Unit 2.	Watertight door
14	Entrance to Auxiliary Building diesel generator room #1 at El. 401'-0" along L-row from Turbine Building Unit 1	None - Rolling steel door
15	Entrance to Auxiliary Building diesel generator room #1 at El. 401'-0" along L-row from Turbine Building Unit 1	None - Hollow metal door*
16	Entrance to Auxiliary Building diesel generator room #2 at El. 401'-0" along L-row from Turbine Building Unit 1	None - Rolling steel door
17	Entrance to Auxiliary Building diesel generator room #2 at El. 401'-0" along L-row from Turbine Building Unit 1	None - Hollow metal door*
18	Entrance to Auxiliary Building at El. 401'-0" along L-row from Turbine Building Unit 1	None - Pair hollow metal doors*
19	Entrance to Auxiliary Building at El. 401'-0" along L-row from Turbine Building Unit 2	None - Pair hollow metal doors*
20	Entrance to Auxiliary Building diesel generator room #2 at El. 401'-0" along L-row from Turbine Building Unit 2	None - Rolling steel door



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<u>NO.</u>	<u>LOCATION</u>	<u>FLOOD PROTECTION DETAIL</u>
21	Entrance to Auxiliary Building diesel generator room #2 at El. 401'-0" along L-row from Turbine Building Unit 2	None - Hollow metal door*
22	Entrance to Auxiliary Building diesel generator room #1 at El. 401'-0" along L-row from Turbine Building Unit 2	None - Rolling steel door
23	Entrance to Auxiliary Building diesel generator room #1 at El. 401'-0" along L-row from Turbine Building Unit 2	None - Hollow metal door*

\*Controlled door(s).