



Commonwealth Edison

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January 15, 1980

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

Subject: Byron Station Units 1 and 2 and
Braidwood Station Units 1 and 2
Response to NRC Request for Additional
FSAR Information
NRC Docket Nos. 50-454, 50-455,
50-456 and 50-457

Dear Dr. Denton:

Per a request from C. W. Moon of your staff Commonwealth Edison Company hereby transmits the drawings listed in the Attachment to this letter. Note that the Block Diagram on Turbine Trip Protection (Drawing No. 6/20E-1-4026B) is not included but will be available in March 1980. These drawings are the latest revisions of the drawings listed in Section 1.7 of the Byron and Braidwood FSAR. The list in Section 1.7 will be revised with the next FSAR Amendment.

One (1) signed original and thirty-nine (39) copies of this letter are transmitted for your use. Under separate cover and per Regulatory Guide 1.70, Revision 2, seven (7) copies of these drawings are provided for your use.

Very truly yours,

W. F. Naughton
Nuclear Licensing Administrator
Pressurized Water Reactors

WFN:rap

Attachment

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The following drawings were sent to you previously to be included as part of the docketing of the Byron/Braidwood FSAR:

<u>Drawing Number</u>	<u>Title</u>	<u>Rev.</u>	<u>Date</u>
6E-0-4001	Station One Line Diagram (Byron)	D	4-20-78
20E-0-4001	Station One Line Diagram (Braidwood)	D	4-20-78
6E-1-4001	Station Key Diagram (Byron)	B	9-25-78
20E-1-4001	Station Key Diagram (Braidwood)	A	11-22-78
6/20E-1-4002A	Single Line Diagram Generator Main Power and Unit Auxiliary Transformer	C	8-10-79
6/20E-1-4002B	Single Line Diagram System Auxiliary Transformer and 6.9 kV Switchgear	D	8-10-79
6/20E-1-4002C	Single Line Diagram 4.16 kV Switchgear Bus 141 and 143, Diesel Generator 1B and 480-V Switchgear	E	8-10-79
6/20E-1-4002D	Single Line Diagram 4.16 kV Switchgear Bus 142 and 144, Diesel Generator 1B and 480-V Switchgear	F	11-2-79
6/20E-1-4002E	Single Line Diagram 125-Vac ESF Instr. Bus 111 and 113, 125-Vdc Distr. Center 1	C	8-10-79
6/20E-1-4002F	Single Line Diagram 120-Vac ESF Instr. Bus 112 and 114, 125-Vdc Distr. Center 1	C	8-10-79
6/20E-1-4026A	Block Diagram-Generator and System Auxiliary Transformers Tripping Relays	A	3-30-77
6/20E-1-4026C	Block Diagram Reactor Trip Protection Part 1	A	3-30-77
6/20E-1-4026D	Block Diagram Reactor Trip Protection Part 2	A	3-30-77

<u>Drawing Number</u>	<u>Title</u>	<u>Rev.</u>	<u>Date</u>
6/20E-1-4027A	Cable Separation Criteria Table Composite	A	5-16-77
6/20E-1-4027B	Cable Separation Criteria Table Reactor Protection and Nuclear Instr. System	A	5-16-77
6/20E-1-4027C	Cable Separation Criteria Table Engr. Safety Feature and Non-Safety-Related Cables	A	5-16-77
6/20E-1-4029 AP03	Control Logic Diagram System Auxiliary Transformer 142-1 (142-2) Tripping Relays	B	6-23-77
6/20E-1-4029 AP05	Control Logic Diagram Unit Auxiliary Transformer 141-1 and 141-2 Feed to 6.9kV Buses 156, 157, 158, 159	B	5-23-77
6/20E-1-4029 AP06	Control Logic Diagram System Auxiliary Transformers 142-1 and 142-2 Feed to 6.9kV Switch- gear Buses 156-159	B	6-23-77
6/20E-1-4029 AP07	Control Logic Diagram 6.9kV Switchgear Bus 156 Under- voltage Relays	B	6-23-77
6/20E-1-4029 AP08	Control Logic Diagram 6.9kV Switchgear Bus 157 Under- voltage Relays	B	6-23-77
6/20E-1-4029 AP09	Control Logic Diagram 6.9kV Switchgear Buses 158 and 159 Undervoltage Relays	B	6-23-77
6/20E-1-4029 AP11	Control Logic Diagram System Auxiliary Transformer 142-1 and 142-2 Feed to 4.16V Switchgear Bus 141 and 142	B	6-23-77
6/20E-1-4029 AP12	Control Logic Diagram- Reserve Feed From 4.16kV to Switchgear Bus 245-1 (245-2) To 4.16kV Switchgear Bus 141 (142)	B	6-23-77

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<u>Drawing Number</u>	<u>Title</u>	<u>Rev.</u>	<u>Date</u>
6/20E-1-4029 AP13	Control Logic Diagram-Bus Tie Breaker 4.16kV Switchgear Bus 143 (144)	A	3-30-77
6/20E-1-4029 AP14	Control Logic Diagram 4.16kV Switchgear Buses To 480-V Auxiliary Transformers	B	6-23-77
6/20E-1-4029 AP15	Control Logic Diagram 4.16kV Switchgear Bus 141, 142 Undervoltage Relays	B	6-23-77
6/20E-1-4029 AP17	Control Logic Diagram-System Auxiliary Transformer 141-1 (141-2) Feed to 4.16kV Switchgear Bus 143 (144)	A	3-30-77
6/20E-1-4029 AP18	Control Logic Diagram-System Auxiliary Transformer 142-1 and 142-2 Feed to 4.16kV Switchgear Bus 143 (144)	B	6-23-77
6/20E-1-4029 AP19	Control Logic Diagram 4.16kV Switchgear Bus 143 (144) Feed to 480-V Auxiliary Transformer 133X (134X) 480-V Auxiliary Transformer	A	3-30-77
6/20E-1-4029 AP20	Control Logic Diagram 4.16kV Switchgear Bus 143 (144) Feed 480-V Transformer 133Z (134Z) and 480-V Auxiliary Transformer 0A Bus	A	3-30-77
6/20E-1-4029 AP21	Control Logic Diagram 4.16kV Switchgear Bus 143, 144 Undervoltage Relays	B	6-23-77
6/20E-1-4029 DC01	Control Logic Diagram 125V dc Battery Charger 111 (1DC1E) and 112	B	6-23-77

<u>Drawing Number</u>	<u>Title</u>	<u>Rev.</u>	<u>Date</u>
6/20E-1-4029 DC02	Control Logic Diagram 125V dc Distribution Centers 111 (1DC05E) and 112	B	3-16-79

The following drawing has not been prepared to date, but will be available as of the date indicated:

<u>Drawing Number</u>	<u>Title</u>	<u>Rev.</u>	<u>Date</u>
6/20E-1-4026B	Block Diagram Turbine Trip Protection	A	3-1-80