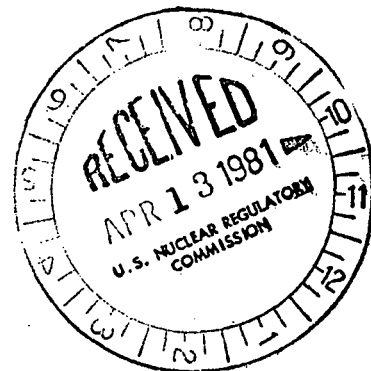




Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

April 10, 1981



Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
Zion Station Units 1 and 2
LaSalle County Station Units 1 and 2
Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Confirmation of NUREG-0737 Item III.A.1.2
Implementation Dates and Justification
for Delays
NRC Docket Nos. 50-237/249, 50-254/265,
50-295/304, 50-373/374, 50-454/455 and
50-456/457

Reference (a): D. G. Eisenhut letter to All Licensees of
Operating Plants and Holders of Construction
Permits dated February 18, 1981.

Dear Mr. Eisenhut:

Commonwealth Edison has reviewed the new requirements and implementation schedules for emergency response facilities which were transmitted by Reference (a). The enclosure to this letter provides confirmation of our intent to meet certain implementation dates, and where appropriate, justification for our proposed revised dates. This response addresses Dresden Units 2 and 3, Quad Cities Units 1 and 2, Zion Units 1 and 2, LaSalle Units 1 and 2, and Byron and Braidwood Units 1 and 2.

Please note that no detailed implementation schedule is provided for LaSalle Unit 2 or Byron and Braidwood Units 1 and 2. This information and other design information will be supplied as appropriate in connection with the operating license review process for these units.

Please address any questions you may have in this regard to this office.

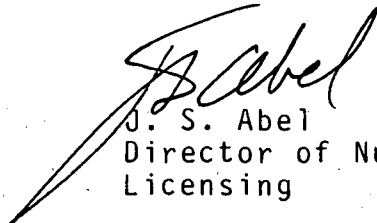
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One (1) signed original and ninety-nine (99) copies of this transmittal are provided for your use.

Very truly yours,



J. S. Abel
Director of Nuclear
Licensing

Enclosure

cc: RIII Inspector - Dresden
RIII Inspector - Quad Cities
RIII Inspector - Zion
RIII Inspector - LaSalle

Enclosure

Commonwealth Edison Company
Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
Zion Station Units 1 and 2
LaSalle County Station Units 1 and 2
Byron Station Units 1 and 2
Braidwood Station Units 1 and 2

Confirmation of NUREG-0737 Item III.A.1.2
Implementation Dates and Justification for Delays

1. Staffing Levels for Emergency Situations
Table III.A.1.2-1 (NUREG-0654 Rev. 1 Table B-1)

The Commonwealth Edison Company implementation schedule concerning this table was provided in Enclosure 9 to the L. O. DelGeorge letter to H. R. Denton dated December 31, 1980. This response covered all units except Byron and Braidwood, which will be addressed during the licensing process. We intend to meet the NUREG-0737 Item I.A.1.3 implementation schedules for licensed operators and STAs on shift (Refer to the March 17, 1981 letter from J. S. Abel to D. G. Eisenhut for information concerning our STA program).

2. Provide Facility Conceptual Design Description
and Documentation by June 1, 1981

We intend to supply the information as requested for our operating plants and LaSalle Unit 1 by June 1, 1981. However, our ability to supply this information may be limited in some cases by the availability of complete documentation from our vendors or the detail of current design. The information concerning Byron and Braidwood Units 1 and 2 will be provided in connection with the licensing process.

3. Guidance Concerning Emergency Operations Facilities (EOFs)

Item III.A.1.2 of NUREG-0737 (as supplied in Reference (a)) and NUREG-0696 Revision 1 outline two options for EOFs: Option 1 is a protected (shield with filtered ventilation) EOF within 10 miles of the site with a backup outside of 10 but within 20 miles. Option 2 is an unprotected EOF located outside of 10 miles but within 20 miles. The following summarizes the CECO intentions with respect to EOF locations and habitability:

For Braidwood/Dresden/LaSalle Co., an EOF in the Mazon, Illinois area is recommended. Mazon is some 11-15 miles from any single station thus qualifying under NRC option 2.

For Quad Cities/Byron/Carroll County, an EOF in the Sterling-Rock Falls area is recommended. This EOF site is about 30 miles from each station but we feel such a location could be justified as an extension of NRC option 2.

For Zion, a protected EOF within 10 miles meeting NRC option 1 is recommended. The backup EOF will probably be located at the Lake County EOC (Emergency Operations Center) in Libertyville, Illinois, which is approximately 12 miles SSW of the station.

The attached map of Northern Illinois depicts the location of our nuclear facilities relative to our proposed EOFs.

4. Upgraded Emergency Facilities Operational by October 1, 1982

Commonwealth Edison's schedule for completion of emergency response facilities is provided in the table below. Explanations follow to justify delays from the October 1, 1982 requirement.

<u>Unit</u>	<u>SPDS</u>	<u>TSC</u>	<u>EOF</u>	<u>Parameters</u>
Zion	10/1/82	10/1/82	10/1/82	1983
Quad Cities	2/1/83	10/1/82, 2/1/83	10/1/82, 2/1/83	1983
Dresden	7/1/83	10/1/82, 7/1/83	10/1/82, 7/1/83	1983
LaSalle 1	10/1/82	10/1/82	10/1/82	1982
LaSalle 2	Will be addressed in the OL review process.			
Byron	" "	" "	" "	" "
Braidwood	" "	" "	" "	" "

These schedules shown represent the best effort we currently can project. We intend to have upgraded emergency response facilities operational for LaSalle Unit 2 and Byron and Braidwood Units 1 and 2 prior to receiving the respective operating licenses.

In 1979, Commonwealth Edison began studying computer designs, which using a central process computer for a central data base, would meet our needs for control room improvements, Technical Support Centers (TSC) and Emergency Operation Facilities (EOF). It was our intent that a standard design could be used (1) for our BWR's and (2) for our PWR's.

Using this philosophy and projecting what we felt was reasonable and could meet our needs, we proceeded to begin computer changeout programs at Zion, Quad-Cities, and Dresden Stations. We were fortunate that we were able to use main frames scheduled for Braidwood at Zion. The Zion Unit 1 computer has been replaced, with Unit 2 scheduled for later this year. The software to support this effort has been completed utilizing work that had been ongoing for our Byron Station.

For Dresden and Quad Cities, a new computer was purchased, with the first system now installed in our computer offices for testing and software development. The dates in the schedule which go past the October 1, 1982 date reflect the time period needed to develop the software to support computer changeouts at Quad-Cities and Dresden. The computer changeout at Quad-Cities is currently scheduled to start in September, 1982 on Unit 1 with unit 2 work following.

Immediately following the Quad-Cities computer replacement, the Dresden computer will change starting in January, 1983 with completion scheduled for July 1, 1983.

The software must support plant operations and physics measurements initially, followed by support of the SPDS, TSC, and EOF's.

For Quad-Cities and Dresden the February 1, 1983 and July 1, 1983 dates reflect this effort.

The October 1, 1982 date shown for the Technical Support Centers will include completion of the buildings, communications, records, meteorological and radiological information on all units. For Zion and LaSalle 1, real time data as provided to the SPDS Systems will be available in the TSC's. This information for Quad-Cities and Dresden will be available by February 1, 1983 and July 1, 1983 respectively with completion of the computer changeouts. The historical data requirements for the TSC at Zion is not finalized in design as additional equipment is needed to support this. A schedule will be provided in our June 1, 1981 submittal for this item. For Quad-Cities and Dresden, the historical data requirements will be met again by February 1, 1983 and July 1, 1983. LaSalle Unit 1 will meet the October 1, 1982 date for historical data storage.

For all units the EOF's will be built by October 1, 1982 with communications, meteorological and radiological information available. For Zion the plant data information will be provided consistent with resolution of the historical data storage for the TSC and also the EOF. For Quad Cities and Dresden the plant data and historical data storage will be provided by February 1, 1983 and July 1, 1983. It is currently expected that LaSalle will meet the requirements by October 1, 1982.

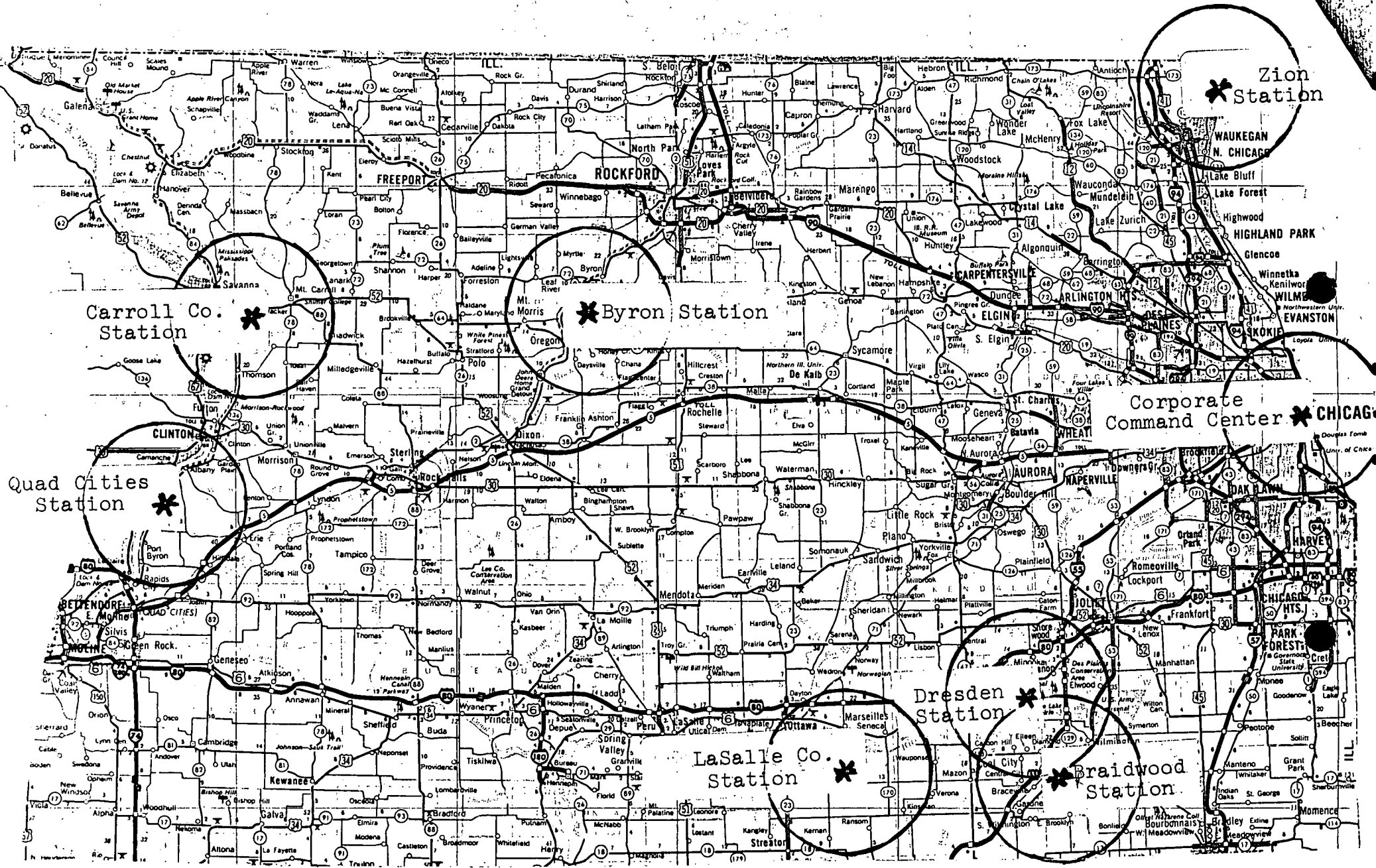
The last item for discussion is with respect to NUREG 1.97 parameters. 1983 dates are shown for Zion, Quad-Cities, and Dresden, as an estimate. We are currently evaluating inputs to the TSC and EOF with respect to NUREG 1.97. A schedule will be provided

when our preliminary scoping is complete. A schedule for LaSalle Unit 1 will also be provided for these parameters, but 1982 is shown as it is expected that a better schedule can be provided for this unit.

This schedule shown is based upon good equipment delivery, expedited software development, and SPDS development that has been in progress for over a year. Difficulties in any one of these areas, could extensively affect this schedule. We will keep you informed of any problems or schedule difficulties which arise.

COMMONWEALTH EDISON COMPANY

NUCLEAR STATIONS AND EMERGENCY OPERATIONS FACILITIES



Scale: One inch: approximately 19.3 miles

