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USNPCSTATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

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ROCKFORD LEAGUE OF WOMEN VOTERS

v.

COMMONWEALTH EDISON COMPANY

Application to Halt Construction  
of Byron Nuclear Power Station

80-0760

INTERROGATORIES TO COMMONWEALTH EDISON COMPANY

TO: Paul M. Murphy, Esq.  
Isham, Lincoln & Beale  
One First National Plaza  
Suite 4200  
Chicago, Illinois 60603

Pursuant to the Public Utilities Act, the Rules of Practice of the Illinois Commerce Commission and the ruling of the Hearing Examiner in the above cause on the conduct of discovery, Commonwealth Edison Company is hereby requested to answer the following Interrogatories within 28 days of the date hereof:

1. With regard to the items listed in NUREG-0660, Table B.2 (Exhibit C to the Affidavit of Messrs. Hubbard and Minor in this cause), please state with particularity:

(a) Which items have already been implemented for Byron  
(providing in each instance the date of implementation, the

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projected cost of implementation, and the actual cost of implementation);

(b) Which items are currently planned or scheduled for future implementation at Byron (providing in each case the scheduled implementation date and the projected cost of implementation);

(c) Which items have been granted an exemption for Byron (providing in each case the date such exemption was granted, the specific terms of the exemption, and the identity of each authority and each person within that authority responsible for granting the exemption); and

(d) Which items are asserted by Commonwealth Edison Company, and/or considered by the Nuclear Regulatory Commission or its Staff, to be inapplicable to Byron (providing in each instance the asserted reasons for nonapplicability);

And identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

2. With regard to each item mentioned in your answer to Interrogatory 1(a), state with particularity all costs associated with its implementation, separately stating and describing design costs, material costs, labor costs, and QA-QC costs; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records,

or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

3. Please state Commonwealth Edison Company's current estimate of the total cost of implementing at Byron all NUREG-0060 items applicable to Byron, and describe in detail each factor on which that estimate is based; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

4. Does the estimate given in response to Interrogatory 3 represent an increase or decrease from any prior estimates by Commonwealth Edison Company or the Nuclear Regulatory Commission or the NRC Staff? If the answer is in the affirmative, please describe in full each such prior estimate, stating by whom that estimate was made, describing each factor on which it was based, and identifying each reason why the estimate was changed; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

5. With regard to the items specified in your answer to Interrogatories 1(a) and 1(b), please state whether the planned schedule for implementation of any such item was changed at any time. If your answer is in the affirmative, please describe, with regard to each such item, how the schedule changed and describe with particularity each reason for the schedule change; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or

refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

6. What is Commonwealth Edison Company's current estimate of the total cost to implement at Byron the environmental qualification program and requirements defined in NUREG-0588? Please describe in detail how that estimate was made and each factor upon which it is based; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

7. Does the estimate given in response to Interrogatory 6 represent an increase or decrease from any prior estimates by Commonwealth Edison Company or the Nuclear Regulatory Commission or the NRC Staff? If the answer is in the affirmative, please describe in full each such prior estimate, stating by whom that estimate was made, describing each factor on which it was based, and identifying each reason why the estimate was changed; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

8. What is Commonwealth Edison Company's current estimated date of completion of the NUREG-0588 environmental qualification program and requirements with regard to Byron. Please describe in detail each factor on which that estimate is based; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or

upon which you have relied in preparing such answer.

9. Has the estimated date given in your answer to Interrogatory 8 ever been rescheduled from a different estimated date? If your answer to this Interrogatory is in the affirmative, please state each such different estimated date, and describe with particularity the factors which were utilized in arriving at that estimate and each reason why the estimate was changed; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

10. With regard to the new generic safety issues identified in NUREG-0705, please state whether Commonwealth Edison Company has analyzed or estimated the impact of any such issue on:

- (a) the cost of Byron, or
- (b) the Byron completion date.

If your answer to any part of this Interrogatory is in the affirmative, please state with particularity, with regard to each such issue, what Commonwealth Edison Company estimates the cost impact of that issue on Byron to be, what Edison estimates the impact of that issue to be on the Byron completion date, and the factors considered by Edison in arriving at each such estimate; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.



11. Has Commonwealth Edison Company modified the Byron design to comply with the new post-accident monitoring requirement as defined in NRC Regulatory Guide 1.97, Revision 2?

(a) If your answer is in the affirmative, describe with particularity each such modification or change and, with regard to each such modification or change, state the actual or estimated cost, design, material, labor, and QA-QC incurred in implementing the modification or change; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer; and

(b) If your answer is negative, please state whether Commonwealth Edison Company has analyzed or estimated the cost and/or schedule of implementing the required modifications or changes to the Byron design, and, if so, describe with particularity each such analysis or estimate and each factor considered by Commonwealth Edison Company in that analysis or estimate; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

12. With regard to the prepared testimony of Byron Lee, Jr. and Robert J. Schultz submitted in July 1980 in Illinois Commerce Commission Docket No. 78-0646, and the Exhibits to that testimony, please state whether there have been any changes in:

(a) the Byron construction budget as reflected in that testimony;

(b) Commonwealth Edison Company's overall construction budget as reflected in that testimony;

(c) the projected schedule for completion of Byron as reflected in that testimony;

(d) the projected schedule for construction expenditures on Byron reflected in that testimony;

(e) Commonwealth Edison Company's credit standing, as reflected in that testimony;

(f) the "cash constraints" reflected in that testimony;

or

(g) Commonwealth Edison Company's "Financing capability" as reflected in that testimony.

If your answer to any part of this question is in the affirmative, please describe with particularity each such change and the reasons for each such change; and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

13. What is Commonwealth Edison Company's present estimate of:

(a) the current cost to complete construction of Byron (including, and specifying, all cost items Edison considers for budgeting purposes); and

(b) the total cost of construction of the Byron plant (including, and specifying, all cost items Edison considers for budgeting purposes)?

Please describe in detail each factor on which each such estimate is based, and identify with particularity each document, as defined in Exhibit A hereto, which describes, records, or refers or relates to any portion of your answer to this question or upon which you have relied in preparing such answer.

DATED: August 28, 1981

ROCKFORD LEAGUE OF WOMEN VOTERS

By: 

One of Their Attorneys

Myron M. Cherry  
Peter Flynn  
CHERRY & FLYNN  
One IBM Plaza, Suite 4501  
Chicago, Illinois 60611  
(312) 565-1177



PROOF OF SERVICE

I certify that the above and foregoing Interrogatories were hand-delivered to the addressee stated therein, at the address therein given, by messenger, this 28th day of August, 1981.

Peter Hym

EXHIBIT A

The term "documents" shall mean and include all written, graphic, or recorded materials of any nature whatever, including (but not limited to) letters, correspondence, memoranda, notes, telegrams, diaries, desk calendars, circulars, charts, papers, tape or other sound recordings, ledgers, schedules, worksheets, contracts, films, transcripts, agreements, licenses, memoranda of telephone or personal conversations, microfilm, books, news releases, newspapers, magazines, advertisements, periodicals, bulletins, pamphlets, statements, notices, reports, records, rules, regulations, directives, teletype messages, minutes of meetings, inter-office communications, accounting worksheets, financial statements, journals, books of account, bills, vouchers, bank checks, proposals, prospectuses, offers, orders, receipts, working papers, appointment books, time sheets, logs, photographs, drawings, studies, forecasts, projections, punch cards, computer print-out sheets, and any other data compilations from which information can be obtained.

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

ROCKFORD LEAGUE OF WOMEN VOTERS	)	
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COMMONWEALTH EDISON COMPANY	)	
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Application to Halt Construction	)	
of Byron Nuclear Power Station	)	

NOTICE OF DEPOSITION AND  
REQUEST FOR PRODUCTION OF DOCUMENTS

TO: Paul M. Murphy, Esq.  
Isham, Lincoln & Beale  
One First National Plaza  
Suite 4200  
Chicago, Illinois 60603

Pursuant to the Public Utilities Act, the Rules of Practice of the Illinois Commerce Commission and the ruling of the Hearing Examiner in the above cause on the conduct of discovery, you are hereby notified that the depositions of the persons named below will be taken on the dates at the times indicated for each person below, for the purposes of discovery, before a notary public, in and for the County of Cook, State of Illinois, at Suite 4501, One IBM Plaza, Chicago, Illinois 60611, upon interrogatories to be propounded to said witnesses orally:

<u>Deponent</u>	<u>Time</u>	<u>Date</u>
1. John C. Bukovski	9:00 A.M.	September 23, 1981
2. James D. Deress	9:00 A.M.	September 24, 1981
3. Byron Lee, Jr.	9:00 A.M.	September 25, 1981

This is a request upon you to produce said Messrs. Bukovski, Deress, and Lee at the times and place specified above. Each of the above depositions will be conducted from day to day until completed. In the event any deposition is not completed prior to the time scheduled for a succeeding deposition, the succeeding deposition will commence immediately upon the completion of the predecessor deposition.

You are also hereby requested to produce for inspection and copying, at Suite 4200, One First National Plaza, Chicago, Illinois 60603, on September 11, 1981, the following documents (defining the term "document" as specified on Exhibit A hereto, incorporated herein by reference):

1. All documents (other than the Hubbard-Minor Affidavit) cited or referenced or relied upon in the "Affidavit of John C. Bukovski," attached as Exhibit B to the Memorandum filed by Commonwealth Edison Company in this proceeding under date of December 19, 1980, including without limitation engineering economic studies, testimony sponsored by Mr. Bukovski, studies performed by the Illinois Commerce Commission Staff, waste disposal studies referred to at page 4 of the Bukovski Affidavit, decommissioning analyses and estimates referred to at pages 4 and 5 of the Bukovski Affidavit, and "studies performed in Docket No. 78-0646" as referred to at page 5 of the Bukovski Affidavit.

2. All other documents in the possession of Mr. Bukovski or Commonwealth Edison Company which relate to the capital expenditure and/or expense analysis mentioned in the first full paragraph at page 2 of Mr. Bukovski's Affidavit; the assertions made in the second sentence of the immediately following paragraph of Mr. Bukovski's Affidavit; the assertions made in the 3rd through 8th, 12th through 17th, and 18th through 25th lines on page 3 of the Bukovski Affidavit; the assertions made in the 2nd through 15th lines of page 4 of the Bukovski Affidavit; and the assertions made in the 1st through 7th, 8th through 13th, and 18th through 26th lines on page 5 of the Bukovski Affidavit.

3. All documents (other than the Hubbard-Minor Affidavit and the Byron PSAR) cited or referenced or relied upon in the "Affidavit of James D. Deress," attached as Exhibit C to the Memorandum filed by Commonwealth Edison Company in this proceeding under date of December 19, 1980, including without limitation economic, safety, budgetary, and other analyses concerning ATWS events, economic, safety, budgetary and other analyses concerning equipment qualifications, documents evidencing or relating to the "Byron Program" mentioned at line 21 of page 6 of the Deress Affidavit; any and all NRC or NRC Staff responses to our comments on that "Byron Program;" economic, safety, budgetary, and other analyses relating to the "design measures" referenced at line 6 of page 8 of the Deress Affidavit; economic, safety, budgetary, and other analyses relating to fire protection, including without limitation all of the analyses referred to in lines 23 through 26 of page 9 and 1 through 22 of page 10 of the Deress Affidavit; all economic, safety, budgetary, and other analyses concerning systems interaction, including without limitation



the "Westinghouse investigation" referred to at line 24 of page 10 of the Deress Affidavit and the Report and IE Information Notice referred to at line 3 of page 11 of the Deress Affidavit; and also including without limitation the "evaluations" and reviews referred to at lines 4 and 5 of page 11 of the Deress Affidavit; all economic, safety, budgetary, and other analyses relating to Three Mile Island issues, including without limitation analyses relating to the Byron budget increase and/or "budget consideration" referred to at lines 22 and 25 on page 11 of the Deress Affidavit; the testimony and exhibits referred to at line 4 of page 12 of the Deress Affidavit; any and all economic, safety, budgetary, and other analyses of the issues and/or the proposed rulemaking described in lines 3 through 18 at page 13 of the Deress Affidavit; the "Probabilistic Risk Assessment Study" referred to at line 20 of page 13 of the Deress Affidavit, including without limitation the "analysis" referred to in the following line thereof; and the "preliminary results" referred to in line 4 on page 14 of the Deress Affidavit.

4. All other documents in the possession of Mr. Deress or Commonwealth Edison Company which relate to the assertions made in the 16th through 19th lines of page 2 of the Deress Affidavit, the 3rd through 11th and 18th through 22nd lines on page 6 of the Deress Affidavit; the 1st through 16th lines on page 7 of the Deress Affidavit; the 6th through 23rd lines on page 8 of the Deress Affidavit; the 5th through 15th and 17th through 18th lines on page 9 of the Deress Affidavit; the 2nd through 22nd lines on page 10 of the Deress Affidavit; the 4th through 7th, 9th through 13th, and 21st through 24th lines on page 11 of the Deress Affidavit; the 10th through 12th lines on page 12 of the

Deress Affidavit; and/or the 4th through 6th and 15th through 18th lines on page 14 of the Deress Affidavit.

5. All documents recording, reflecting, or referring or relating to:

(a) The status of implementation at Byron of the items listed in Table B.2 of NUREG-0660 (Exhibit C to the Hubbard-Minor Affidavit) including items which have already been implemented, which are planned for future implementation, which have been granted an exemption, or which are considered to be nonapplicable; and all documents recording, estimating, analyzing, or referring or relating to the cost (including design, labor, material, and QA-QC efforts) of implementation at Byron of any such item;

(b) All submittals to the NRC by Commonwealth Edison Company relating to the resolution of TMI safety issues (including without limitation NUREG-0660 issues) at Byron, and all formal or nonformal NRC or NRC Staff responses or inquiries in connection therewith;

(c) All submittals to the NRC by Commonwealth Edison Company regarding environmental qualification issues as defined in NUREG-0588, with regard to Byron, and all formal or nonformal NRC or NRC Staff responses or inquiries in connection therewith;

(d) All economic, safety, budgetary, and other analyses or estimates of the impact and/or applicability of new generic safety issues identified in NUREG-0705 with regard to Byron, including the impact of such issues on the Byron completion

schedule and the impact of such issues on the cost of Byron, as well as all submittals by Commonwealth Edison Company to the NRC relating thereto and all NRC or NRC Staff responses or inquiries pertaining to any such submissions;

(e) All documents pertaining to any modifications of the Byron design to comply with the current post-accident monitoring requirements defined in Regulatory Guide 1.97, Revision 2, including without limitation documents defining and describing any changes implemented or to be implemented and documents recording or estimating or referring or relating to the cost (including design, material, labor, and QA-QC costs) concerning all such changes.

6. All documents recording, describing, analyzing, or referring or relating to the estimated cost of construction of the Byron plant:

(a) As estimated by the NRC or the NRC Staff at any time or times between January 1, 1978 and the date of your response to this request;

(b) As estimated by Commonwealth Edison Company at any time or times between January 1, 1978 and the date of your response to this request;

(c) As estimated by any other person or entity at any time or times between January 1, 1978 and the date of your response to this request.

7. Commonwealth Edison Company's construction budget, both as proposed and as adopted and including any and all five-year or longer

term projections, for the years 1979, 1980, 1981, and (if available) 1982; and all subsidiary documentation used in or made a part of such proposed or actual budgets pertaining to the Byron plant.

8. All documents describing, recording, estimating, or otherwise referring or relating to the status and/or cost of emergency planning measures for Byron, at the utility, county, and state levels, as well as any and all submissions to the NRC and any and all responses or inquiries by the NRC or NRC Staff relating thereto.

9. All documents recording, describing, estimating, or referring or relating to any specific actions taken by Commonwealth Edison Company to reduce the chance for steam generator tube failure at Byron, including documents concerning the cost (actual or estimated) of any such actions and the cost (actual or estimated) of experiencing a steam generator tube failure at Byron.

10. All documents analyzing, estimating, describing, or otherwise referring or relating to the date at which (assuming normal fuel discharge cycles) the accumulated storage at Byron as presently planned will preclude full core discharge capability, and/or actions planned by Commonwealth Edison Company to handle Byron spent fuel beyond that date.

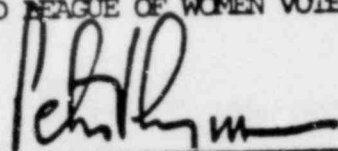
You are further notified that, pursuant to the Ruling of the Hearing Examiner made in the above cause on July 22, 1981, any objections

to the above request must be made in writing within five days of delivery of this Request to your office.

DATED: August 28, 1981

ROCKFORD LEAGUE OF WOMEN VOTERS

By:

  
One of Their Attorneys

Myron M. Cherry  
Peter Flynn  
CHERRY & FLYNN  
One IBM Plaza, Suite 4501  
Chicago, Illinois 60611  
(312) 565-1177

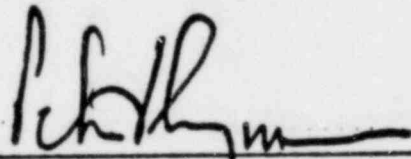


EXHIBIT A

The term "documents" shall mean and include all written, graphic, or recorded materials of any nature whatever, including (but not limited to) letters, correspondence, memoranda, notes, telegrams, diaries, desk calendars, circulars, charts, papers, tape or other sound recordings, ledgers, schedules, worksheets, contracts, films, transcripts, agreements, licenses, memoranda of telephone or personal conversations, microfilm, books, news releases, newspapers, magazines, advertisements, periodicals, bulletins, pamphlets, statements, notices, reports, records, rules, regulations, directives, teletype messages, minutes of meetings, inter-office communications, accounting worksheets, financial statements, journals, books of account, bills, vouchers, bank checks, proposals, prospectuses, offers, orders, receipts, working papers, appointment books, time sheets, logs, photographs, drawings, studies, forecasts, projections, punch cards, computer print-out sheets, and any other data compilations from which information can be obtained.

PROOF OF SERVICE

I certify that the above and foregoing Notice of Deposition and Request for Production of Documents were hand-delivered to the addressee stated therein, at the address therein given, by messenger, this 28th day of August, 1981.

  
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