

Hanford B
General Contract Correspondence

AUG 2 1976

EIC



August 26, 1976

P
BPWP-H-76-25

Hanford - B

Mr. Duane L. Renberger
Asst. Director, Generation & Technology
Washington Public Power Supply System
P.O. Box 968
Richland, Washington 99352

Dear Duane:

Last winter the Hanford-Vantage line experienced problems identified in the attached correspondence. The BPA Transmission Design Branch reviewed the situation and recommends that the spring spacers be removed and spacer-dampers, BPA Cat. No. 60-0480, be installed at new non-uniform spacing. This would only be done on line section towers 15-37. The estimated cost is \$24,000.

The work will be done under Contract No. 14-03-36198, W.O. 920-522. Advanced funds will be requested as soon as the work is scheduled.

Sincerely yours,

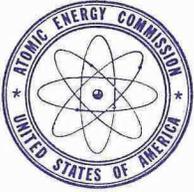
(SGD) RICHARD C. NYLAND

Richard L. Nyland
Special Assistant to Power Manager

Enclosure:
Memo to R.C. Nyland from
C. E. O'Connor, dtd. 7-7-76

RC Nyland: fds

cc: *w/o Encl.*
C. E. O'Connor - OWD
E. C. Starr - EIC
E. H. Gehrig - ET
Official File - PRT



UNITED STATES
ATOMIC ENERGY COMMISSION

RICHLAND OPERATIONS OFFICE
P. O. BOX 550
RICHLAND, WASHINGTON 99352

MAY 17 1972

OFFICIAL FILE COPY	
No.	Date
	MAY 18 1972
Referred To:	A
Action Taken:	
<input type="checkbox"/> ANS.	<input type="checkbox"/> NO REPLY,
By	Date

Mr. Henry R. Richmond, Administrator
Bonneville Power Administration
P. O. Box 3621
Portland, Oregon 97208

Dear Russ:

BPA-AEC Liaison

In an exchange of letters on August 12 and 20, 1971, BPA and AEC representatives were named for various activities in which the two organizations are currently involved.

As a result of the retirement of Mr. Harry Parker, Mr. Paul Gottschalk, Assistant Director, Production & Waste Management Programs Division, will replace Mr. Parker as our representative for routine matters relating to Hanford No. 2, engineering studies for Hanford No. 1, and any work related to characterization of potential reactor sites. Mr. Fremling or I will be available to meet with you and your representatives on any problem areas which either of us determines might benefit from such attention.

Very truly yours,

T. A. Nemzek
Manager

cc: HRR/DPN
Otness
Myland



United States Department of the Interior

OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

October 20, 1971

OFFICIAL FILE COPY	
No.	Date
	10-22-71
Referred To:	
A	
Action Taken:	
<input type="checkbox"/> ANS.	<input type="checkbox"/> NO REPLY.
By	Date

Memorandum

To: Administrator, Bonneville Power Administration

From: Assistant and Power Engineering Advisor
Office of the Assistant Secretary--WP

Subject: Atomic Energy Commission Anti-Trust Hearings
on Nuclear Power Plants

We are in receipt of your memorandum of October 14, 1971, designating Mr. James R. Curtin, Transmission System Specialist, and Mr. George C. Conner, Systems Planner, to assist in the forthcoming AEC anti-trust hearings.

The AEC will hold its first meeting with power experts from the Department on October 28, 1971, at 9:30 a.m., in Room 6071, Main Interior Building.

The AEC has requested that each member of the team bring with him a copy of his resume for their information and review.

J. Emerson Harper
J. Emerson Harper

Assigned to: Ralph Gens

Copies to: _____
HRK/DAH Folcan
Bingham Goldman

Hanford-B

AUG 30 1971

AE

Mr. D. G. Williams, Manager
Richland Operations Office
Atomic Energy Commission
P.O. Box 550
Richland, Washington 99352

Dear Don:

We would like to thank you for your letter of August 26, 1971, advising us of your plans for the Wahluke Slope.

The permit language seems to provide the flexibility you need for other uses of the area at some future time. However, I would like to point out that even though you have the right to terminate the permit, it may be difficult to implement when an area has been used for such a purpose over a period of time. Other than that, we do not foresee any problems with the proposed permit with regard to the future use of the affected area.

Sincerely,

(SGD) DONALD PAUL HODEL

ACTING Administrator

cc:

J. J. Stein

Admin. - A

Dep. Admin. - A-2

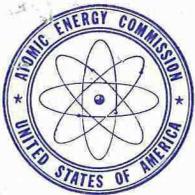
Admin. chron. file - A

R. E. Ratcliffe - XORS

Official File - AE

P. Otness - EC

CRFoleen:ewb 8-30-71



UNITED STATES
ATOMIC ENERGY COMMISSION

RICHLAND OPERATIONS OFFICE
P. O. BOX 550
RICHLAND, WASHINGTON 99352

AUG 26 1971

OFFICIAL FILE COPY	
No.	Date
	8-27-71
Referred To:	A
Action Taken:	
<input type="checkbox"/> ANS.	<input type="checkbox"/> NO REPLY
By	Date

Bonneville Power Administration
ATTN: H. R. Richmond, Administrator
P. O. Box 3621
Portland, Oregon 97208

Washington Public Power Supply System
ATTN: J. J. Stein, Managing Director
P. O. Box 6510
Kennewick, Washington 99336

Gentlemen:

WAHLUKE SLOPE

As we have indicated in previous briefings, the AEC has, for a number of months, been negotiating with the U. S. Bureau of Sport Fisheries and Wildlife (BSFW), and the Washington State Department of Game (WSDG) for the potential establishment of a wildlife management program on the Wahluke Slope, together with attendant regulated public recreational activities in certain areas. These negotiations have been coordinated with the Bureau of Reclamation.

The negotiations were initiated upon request from the BSFW and the WSDG. They were not undertaken by the AEC until after a firm policy decision that the proposed programs would only be possible under a revocable permit which as negotiated provides, in part, that:

"If the AEC determines that the Area or any portion thereof should be utilized for purposes other than the Permittees' programs, this Permit may thereupon be terminated in whole or in part by the AEC by giving the Permittees written notice thereof . . ."

The purpose of this provision in the permit is to insure that the affected land would be available for continued development of the nuclear power park or AEC programs while it is under the jurisdiction of the AEC. Both agencies understand this requirement and are willing to proceed with their programs under these conditions.

*Copy - H R R - Falen
Attnes*

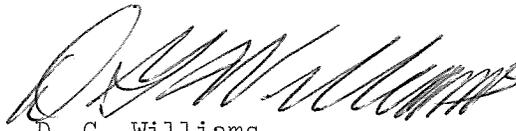
AUG 26 1971

Attached is a map which includes the Wahluke Slope. That portion of the Slope marked A will be administered by the BSWF and will not be used by the public for recreation. It will be developed as a wildlife refuge with perhaps some cattle grazing.

That portion of the Slope marked B will be administered by the WSDG. It is planned to develop the two lakes in this area for both hunting and fishing as well as other recreational uses during daylight hours. Hunting would be limited to use of bows and arrows or shotguns.

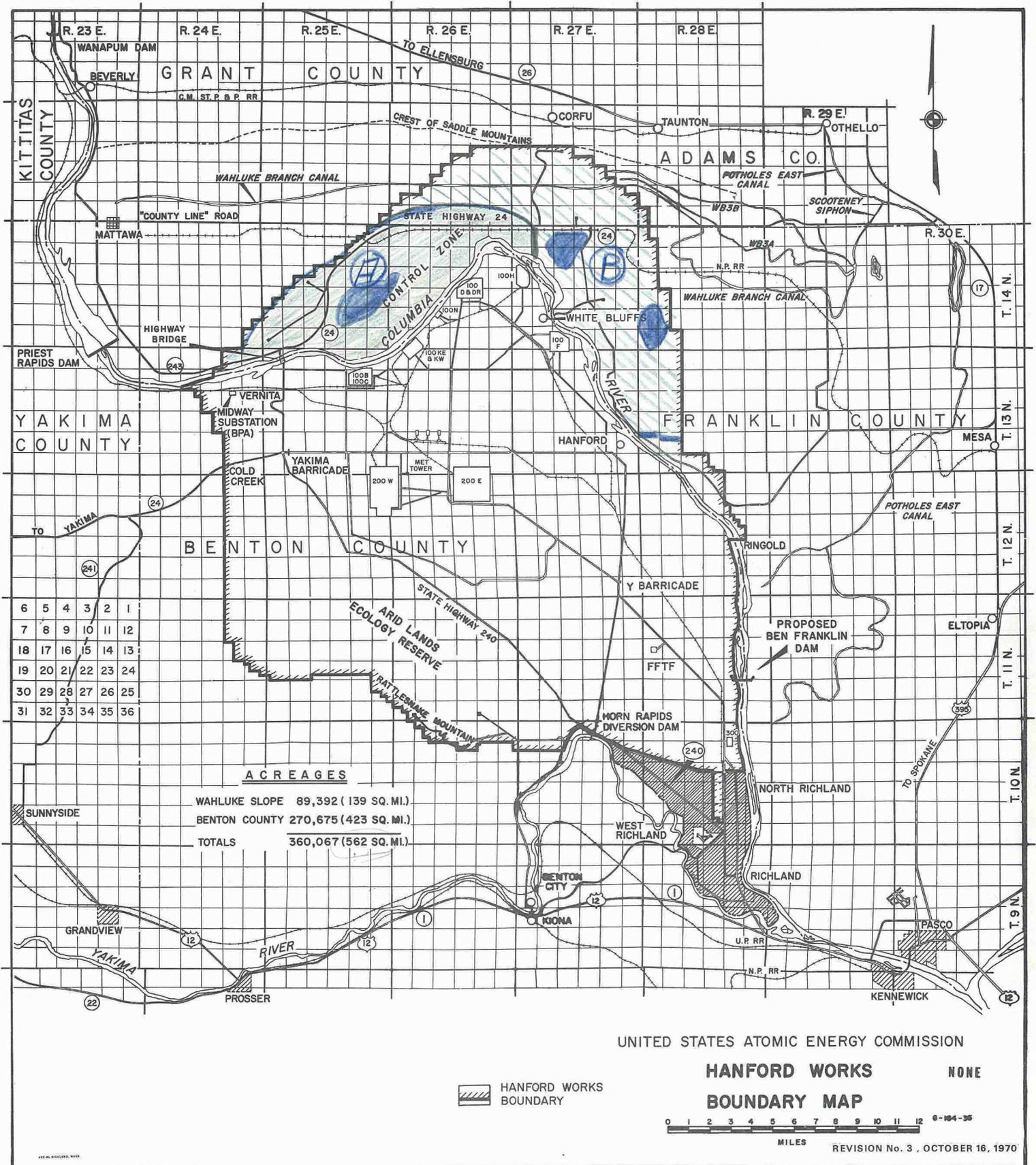
The purpose of this letter is to advise you of the nature and extent of the negotiated (but not executed) permit, and to ask that you let us know as soon as possible if you foresee any problems as a result of the potential permittees' use of the Wahluke Slope under the circumstances described above.

Very truly yours,



D. G. Williams
Manager

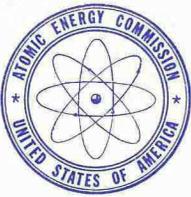
Attachment:
Map



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

ACREAGES	
WAHLUKE SLOPE	89,392 (139 SQ. MI.)
BENTON COUNTY	270,675 (423 SQ. MI.)
TOTALS	360,067 (562 SQ. MI.)

La Ke (approximate location)



UNITED STATES
ATOMIC ENERGY COMMISSION

RICHLAND OPERATIONS OFFICE
P. O. BOX 550
RICHLAND, WASHINGTON 99352

AUG 20 1971

OFFICIAL FILE COPY	
No.	Date
	P-23-71
Referred To:	A
Action Taken:	
<input type="checkbox"/> ANS.	<input type="checkbox"/> NO REPLY
By	Date

OK
~~cc
HRR
Hobbs
Bingham
Hedberg
Otness
Nyland
Katheloff~~

Mr. Henry R. Richmond, Administrator
Bonneville Power Administration
P. O. Box 3621
Portland, Oregon 97208

Subject: BPA-AEC LIAISON

Dear Russ:

Thank you for your letter of August 12, 1971, advising me of the names of the BPA representatives for the various activities in which our offices are currently involved. I believe that our August 5 discussion was very worthwhile and that by establishing specific representatives to continue meaningful contact we can maintain greatly improved communications.

Mr. O. J. Elgert, Director, Production Programs Division, will be our lead representative on the Technical Committee which is being established to provide the operating interface on N-Reactor scheduling and operations.

In a recent letter to Mr. J. J. Stein, I assigned the responsibility for interfacing with the WPPSS on Hanford No. 2 to Mr. H. E. Parker, Assistant Manager for Technical Operations. I propose that he also interface with Mr. Otness of BPA on this matter.

I propose that Mr. Parker interface the consulting engineer and your Mr. Nyland on the engineering study of Hanford No. 1 and that he also represent AEC relative to the siting of future plants at Hanford. We are currently attempting to define the scope of work required to characterize potential reactor sites and plan to discuss this work with Mr. Foleen.

I understand the next meeting of the Technical Committee is scheduled for August 24, 1971, and I have asked Mr. Parker to try to arrange for meetings in the other areas of concern next week or as soon thereafter as feasible.

Sincerely,

D. G. Williams
Manager

official file - AE
EIC
Hanford
B

AE

AUG 12 1971

Mr. Donald G. Williams
Manager, Richland Operations Office
Atomic Energy Commission
P.O. Box 550
Richland, Washington 99352

Dear Don:

I appreciate the time taken by you and your staff for the meeting on August 5. Meetings such as this add to a greater understanding of our mutual problems and improve communications between our organizations.

We are in the process of negotiating a contract with a consulting engineer for studying the economic feasibility with continued operation of Hanford No. 1 after June 30, 1974. We hope to have the arrangements completed by the middle of August. It will be necessary for this consulting engineer to have a close working relationship with AEC during the 7-month study, and I appreciate your willingness to cooperate with him. Mr. Dick Nyland is the BPA representative for this study and will contact you at the appropriate time.

Relative to the Hanford No. 1 operation, the Atomic Energy Commission, Washington Public Power Supply System, and Bonneville Power Administration have a technical committee organized which meets on a regular basis. As you know, this arrangement was instituted during negotiations for the restart of Hanford No. 1, and I understand it is working very well. Mr. Dick Nyland is also the BPA representative on this committee.

With reference to Hanford No. 2, it is my understanding that several meetings have been held among AEC, WPPSS, and BPA but not on a regularly scheduled basis. Inasmuch as there must be continued communications among these three organizations over the 6-year construction period, I believe it would be helpful if representatives of the three organizations met on a regularly scheduled basis. Mr. Phil Otness will be the BPA representative.

As discussed in our meeting, I think it would also be desirable if the AEC would inventory information it has on specific Hanford Reservation sites relative to siting thermal plants. If you can determine the additional information and studies required and an estimated cost, it would be of assistance to Northwest utilities in the development of a long-range plan for the siting of future plants. With regard to this subject, Mr. Ray Foleen will represent BPA.

If there is any way that we can be of other help to you, please let me know.

Sincerely,

(SGD) H. R. RICHMOND

Administrator

cc:

H. R. Richmond - A
D. P. Hodel - A-2
R. E. Ratcliffe - XORS
R. C. Nyland - P
Phil Otness - EC
B. Goldhammer - P
G. S. Bingham - E
Adm. Chron. File - A
Official File - AE

RFoleen:vn

DEC 31 1970

PF

Mr. Milton Show
Director, Division of Reactor
Development and Technology
Atomic Energy Commission
Washington, D.C. 20545

Dear Milt:

I have reviewed your suggested program of cooperation between BPA and the AEC on an exchange of information relative to nuclear generation and utility planning. As you have pointed out in your letter, there are benefits both organizations can achieve through this cooperative effort on systems analysis studies. The arrangements you have outlined are satisfactory.

R. J. Tallman of our nuclear coordinating group will act as the point of contact for BPA.

Sincerely,

(SGD.) H. R. RICHMOND

Administrator

cc: ~~G~~-W TOMAN - AC.
D. P. Hodel - AB
Admin. Chron File - A
Admin. Circ. File - AB
B. Goldhammer - P
R. Foleen - AE
G. Bingham - E
R. Ratcliffe - ORS
E. Starr - EN
H. McIntyre - PR
R. Tallman - EN
W. Huffman - PRI
Official File - P

PF:RCNyland:bd 12-29-70



UNITED STATES
 ATOMIC ENERGY COMMISSION
 WASHINGTON, D.C. 20545

OFFICIAL FILE COPY	
No.	Date
	12-23-70
Referred To:	
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Action Taken:	
<input type="checkbox"/> ANS.	<input type="checkbox"/> NO REPLY
By	Date

DEC 17 1970

Mr. H. R. Richmond, Administrator
 Bonneville Power Administration
 1002 N. E. Holladay Street
 P. O. Box 3621
 Portland, Oregon 97208

Dear Mr. Richmond:

On November 9, 1970 Mr. R. W. Ritzmann and Mr. S. Strauch of the Division of Reactor Development and Technology (RDT), U. S. Atomic Energy Commission (AEC) and Dr. P. Hofmann and Dr. W. Little of Hanford Engineering Development Laboratory (HEDL), RDT's systems analysis contractor at Hanford, met with several members of your staff in Portland to discuss the systems analysis studies RDT is performing utilizing HEDL's computer analysis group at Richland, Washington. As Mr. Ritzmann explained, RDT would very much appreciate Bonneville Power Administration's assistance in making such studies more realistic and meaningful to electric utility needs. RDT has a similar analysis group at the Oak Ridge National Laboratory (ORNL) in Tennessee, which has worked closely with the Tennessee Valley Authority (TVA) and Commonwealth Edison. We have found this cooperation to be most beneficial. In turn, RDT believes that the utilities have benefited in that the analysis groups have been able to assist in studies which will help solve their systems problems.

Mr. Ritzmann has informed me that after a general discussion of the studies HEDL is performing, it was decided to give such cooperation further thought and to discuss it again during the Atomic Industrial Forum meeting in Washington, D. C. On November 19, 1970, Mr. Ritzmann met with Mr. R. Nyland and Mr. R. J. Tallman and outlined a tentative method of procedure. This is described below for your consideration.

For the present, it is proposed that cooperation be limited to personnel visits and information exchange. This would involve cognizant staff level personnel visiting each other to discuss and criticize the studies presently being performed at HEDL and the exchange of reports and other documents containing information relating to the systems analysis studies being performed by both HEDL and BPA. In discussing such studies, it would be kept in mind that in areas of common interest HEDL would not attempt to duplicate work BPA is doing but would work in peripheral areas so that the efforts would be complementary. It was believed that a better understanding of how BPA studies and HEDL's studies could complement each other would become evident after further discussions of the details of each organization's studies and computer capabilities.

Four areas of interest were sketched out for discussion. They are listed below in approximate order of priority:

1. Methods of Planning Electric Utility Generating Unit Operation

Studies have been performed using linear and dynamic programming techniques to the scheduling of generating unit operations in utility systems where there is a mixture of types of generating units. These studies have structured the problem into four interrelated operating models: a daily model, an annual model, a multi-year (5 year) model, and a long-range (20 to 30 years) model. The HEDL analysis group would be very interested in having a utility advise them on the design of the computer model and the accuracy of their assumptions. In turn, we believe that HEDL's results would be of interest to BPA, both in current and planning of future operations.

2. Environmental Models

The analysis group is currently working on a study called "The Year 2000 Study." The purpose of the study is to develop a computer model to estimate potential dose and dose commitments to individuals and population groups based on release rates from nuclear power reactors and nuclear fuel reprocessing plants expected to be located in the U. S. The model will be sufficiently flexible so that estimates of dose and dose commitment can be made with data input variables such as release rates, site location, and number of facilities. The model will be applied initially to Upper Mississippi River Basin as a reference problem. BPA might be interested in following the progress of these studies and HEDL would appreciate the opportunity to collect data for the Columbia River System which might be used to extend the existing study to the Pacific Northwest.

3. Resource Studies

The group is also performing resource studies for the United States. These studies use a linear programming technique to determine the lowest cost of meeting U. S. power requirements from various types of fuels and nuclear reactors for various periods of time in the future. These studies could be improved by performing them on a regional basis. Discussions concerning correct assumptions for the Pacific Northwest would be useful in improving the validity of the studies in the Pacific Northwest. In turn, BPA might gain a clearer insight into how nuclear power would best fit in the Pacific Northwest system.

4. Transmission Network Studies

HEDL's present computer program does not include power transmission limitations. We believe it would be desirable to explore including such limitations and attempt to apply linear programming techniques to studies of transmission networks. The HEDL group has very little expertise in this area and BPA's guidance would be of considerable assistance.

Another area of interest defined at the November 9 and 19, 1970 meetings was that of capital cost. RDT's systems analysis group at ORNL is performing an extensive study of capital cost of power plants and have developed a computer code for estimating capital costs taking into account plant location, labor costs, design of plant, escalation, productivity, etc. Cooperation in this area would also be welcome. Cost information from BPA which would assist in making the program more complete would be of particular benefit. In turn, ORNL would make the information they have available to your staff.

As mentioned earlier, it is believed that the best way to initiate such cooperation is to exchange information between the cognizant staff. The discussion arising from such exchanges will undoubtedly define areas and problems of more specific interest.

If the cooperative effort described herein is satisfactory to BPA, it would be appreciated if BPA would establish a point of contact to facilitate the proposed effort. The suggested AEC point of contact for these studies would be M. J. Whitman, Assistant Director, Office of Program Analysis, Division of Reactor Development and Technology. Dr. Peter Hofmann at HEDL and Mr. Leonard Bennett at ORNL would serve as contacts for their respective organizations.

On the basis of the discussions to date, it is believed that the proposed cooperative effort would be mutually beneficial. If there is any further information we can provide on this subject, please do not hesitate to let us know.

Sincerely,



Milton Shaw, Director
Division of Reactor Development
and Technology

cc: T. A. Nemzek, Asst. Dir. for Northwest Programs, RDT
W. H. Esselman, Director, HEDL
D. B. Trauger, Assoc. Dir. for Reactor and Eng. Sciences, ORNL
D. F. Cope, Sr. Site Rep., ORNL