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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
) Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY,)
et al) (Control Building Proceeding)
)
(Trojan Nuclear Plant))

CERTIFICATE OF SERVICE

I hereby certify that on July 19, 1979:

- 1) "Licensee's Response to Eugene Rosolie and Coalition for Safe Power's First Set of Interrogatories to Licensee, Phase II, dated June 30, 1979"; and
- 2) Affidavits of D. J. Broehl, B. D. Withers, R. W. Johnson, L. W. Erickson, D. L. Damon, and E. W. Edwards;

have been served upon the persons listed below by depositing copies thereof in the United States mail with proper postage affixed for first class mail.

Marshall E. Miller, Esq., Chairman
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Atomic Safety and Licensing Appeal
Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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Division of Engineering,
Architecture and Technology
Oklahoma State University
Stillwater, Oklahoma 74074

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U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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U. S. Nuclear Regulatory Commission
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Atomic Safety and Licensing Board
Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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CERTIFICATE OF SERVICE

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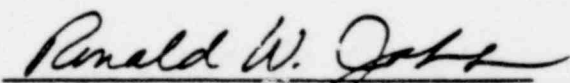
Mr. John A. Kullberg
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Sauvie Island, Oregon 97231

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P. O. Box 2992
Kodiak, Alaska 99615

Mr. Eugene Rosolie
Coalition for Safe Power
215 S. E. 9th Avenue
Portland, Oregon 97214

Columbia County Courthouse
Law Library
Circuit Court Room
St. Helens, Oregon 97051



Ronald W. Johnson
Corporate Attorney
Portland General Electric Company

Dated: July 19, 1979

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LICENSEE'S RESPONSE TO EUGENE ROSOLIE AND
COALITION FOR SAFE POWER'S FIRST SET OF
INTERROGATORIES TO LICENSEE, PHASE II, DATED JUNE 30, 1979

The following are Licensee's responses, dated July 19, 1979, to Eugene Rosolie and Coalition for Safe Power's First Set of Interrogatories, Phase II, dated June 30, 1979.

Licensee objects to Interrogatories 1 and 4 for the reasons set forth below.

Persons responding to each Interrogatory are indicated by their initials as follows:

D. J. Broehl (DJB), PGE	B. D. Withers (BDW), PGE
R. W. Johnson (RWJ), PGE	L. W. Erickson (LWE), PGE
E. W. Edwards (EWE), Bechtel	D. L. Damon (DLD), Bechtel

Interrogatory 1

"Supply copies of All LERs that have occurred since December of 1978. Include copies of written reviews of such LERs by the Plant Staff and the Nuclear Operations Board."

Response to Interrogatory 1

Licensee objects to Interrogatory 1. At the prehearing conference on March 29, 1979 the Atomic Safety and Licensing Board admitted nine of CFSP's contentions as issues in this proceeding. In Interrogatory 1, CFSP has asked that Licensee furnish it copies of all Licensee Event Reports issued since December of 1978. Since that time, Licensee has issued no LER that relates to CFSP's contentions. Thus, the information sought by Interrogatory 1 is not relevant to the subject matter of CFSP's contentions nor is it calculated to lead to the discovery of admissible evidence as required by 10 CFR 2.740(b)(1)*. (RWJ)

Interrogatory 2

"What revisions have been made to PGE-1020?"

Response to Interrogatory 2

Revision 1 to PGE-1020 was issued on April 2, 1979 with copies to all parties. Revision 2 to PGE-1020 is scheduled to be issued the week of July 16, 1979 with copies to all parties. Changes made to PGE-1020 by each of these revisions are indicated by vertical lines in the margins of changed pages. (LWE)

* The information sought is on file at the local Public Document Room in Columbia County.

Interrogatory 3

"Supply copies of all amendments to Technical Specifications issued since they were first approved by the NRC."

Response to Interrogatory 3

A current version of the Technical Specifications is available for use in the Discovery Room at PGE's headquarters. (LWE)

Interrogatory 4

"Supply copies of all proposed amendments to Technical Specifications now before the NRC or planned to be submitted to the NRC within the next 6 months."

Response to Interrogatory 4

Licensee objects to Interrogatory 4. At the prehearing conference on March 29, 1979, the Board admitted nine of CFSP's contentions as issues in this proceeding. In Interrogatory 4 CFSP requests a copy of any proposed amendment to a Technical Specification which is now before the NRC or which Licensee plans to submit to the NRC in the next six months. No applications for amendments to Technical Specifications now pending before the NRC relate to CFSP's contentions. Licensee has no present plan to file, within the next six months, any application with the NRC to amend Technical Specifications relevant to CFSP's contentions. (Any amendment to Technical Specifications required by Phase II of this proceeding will be served on all parties.) Thus, the information sought by Interrogatory 4 is

not relevant to the subject matter of CFSP's contentions, nor is it calculated to lead to the discovery of admissible evidence as required by 10 CFR 2.740(b)(1). (RWJ)

Interrogatory 5

"Supply a copy of PGE 1012."

Response to Interrogatory 5

A copy of PGE-1012, "Trojan Nuclear Plant Fire Protection Review", will be placed in the Discovery Room at PGE's headquarters. (LWE)

Interrogatory 6

"Supply all information and studies determining the advantages or disadvantages of doing the proposed modification work during the next scheduled refueling. If Licensee has no such information or studies state why?"

Response to Interrogatory 6

Licensee has no formal studies or information concerning the advantages or disadvantages of doing the proposed modification work during the next refueling. Due to the extensive nature of the required work, Licensee judged that it was not practical to complete the modification program during a refueling outage; thus, no such studies or information was formalized. (DJB)

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Interrogatory 7

"Explain how workers entering cable room will be supervised in order to avoid (sic) stepping on cables and avoid (sic) dropping washers on cables?"

Response to Interrogatory 7

Supervisory personnel will always be present during the time workers are in the cable spreading room to instruct and prevent workers from stepping on, and avoid dropping washers on, cables. In addition, supervisors will assure that cable tray covers will be placed on trays in the vicinity of work associated with the plates and washers. (EVE)

Interrogatory 8

"Explain the function of supply transformer, 120 VAC Control Power from (sic) RDMG to Rod Control (X-56), Logic and Power. Provide Technical Specifications, manufacture (sic), effects of drilling and protection during modification work."

Response to Interrogatory 8

The 150/120 Volt AC transformer X-56 supplies the main 120-V power to the control circuits within the solid state rod control and power cabinets. This nonsafety-related transformer, supplied by Westinghouse, is not covered by any Technical Specifications in Appendices A and B to Trojan's Operating License.

The transformer X-56 will not be affected by drilling, dust or noise during the Control Building modifications since the transformer is housed in an enclosure which protects it. (DLD)

Interrogatory 9

"In response to Consolidated Intervenors Interrogatory 7 Licensee states, 'They will be given training...' How long will this training last? Who will do the training? Provide a copy of Trojan Administrative Order Ao-9-1."

Response to Interrogatory 9

As described in Licensee's response, dated March 1, 1979, to Consolidated Intervenors' Interrogatory 7 and in Trojan Administrative Order AO-9-1, copy provided as Attachment 1, the training will take approximately 1-1/2 days per person. The training is administered by the Trojan Training Staff. (BDW)

Interrogatory 10

"Provide copies of Construction Quality Control Manual, ANSI N45.2.6 and PGE's Project Quality Assurance Program for Operations."

Response to Interrogatory 10

The referenced documents are, or will be placed, in the Discovery Room at PGE headquarters. (LWE)

Interrogatory 11

"Provide the following documents; drawing Nos. M-233, M-63, E-143, E-145, E-165-22, E-164-18, C-1213-C, E-135-19; No. 6478-833, Rev. 13; No. 6478-828, Rev. 9; and No. 13097 RSK-1-D."

Response to Interrogatory 11

Requested drawings have been placed in the Discovery Room at PGE's headquarters except as follows: (1) Revision E of Drawing No. 13097 RSK-1 which was supplied to all parties as an attachment to Licensee's letter to Director of Nuclear Reactor Regulation, dated July 5, 1979; and (2) Drawings No. 6478-833, Rev. 13 and 6478-828, Rev. 9, which to the best of our knowledge do not exist. (LWE)

Interrogatory 12

"Give the location, equipment served, technical specifications and how affected by modification work for the following cables: DBP-188, DI-1015, BB-1142, AB-1080, BRA-747, AB-1010, and BB-1137"

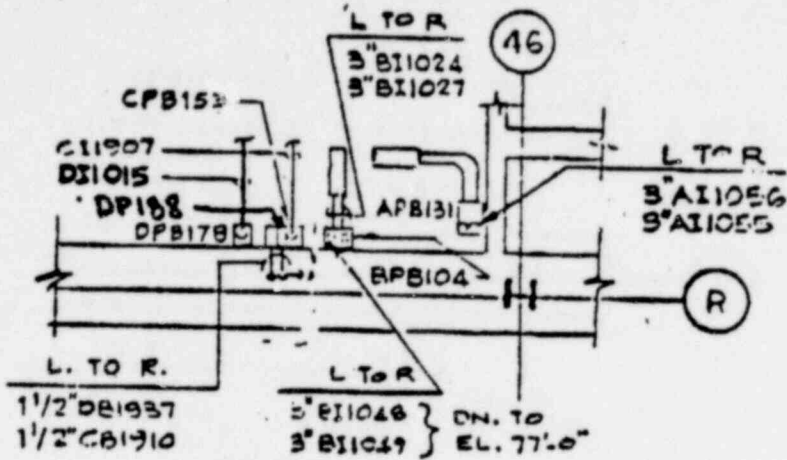
Response to Interrogatory 12

The referenced items are not cables, but rather are conduits, a pull box and a cable tray. Safety-related cables within such items do not consist of both Train "A" and "B" for any piece of equipment served. Conduit DI 1015 and pull box DBP-188 contain cables from safety train "B" and are located at Elevation 93 ft of the Control Building, as illustrated in the attached Sketch No. 1. Conduit AB-1010

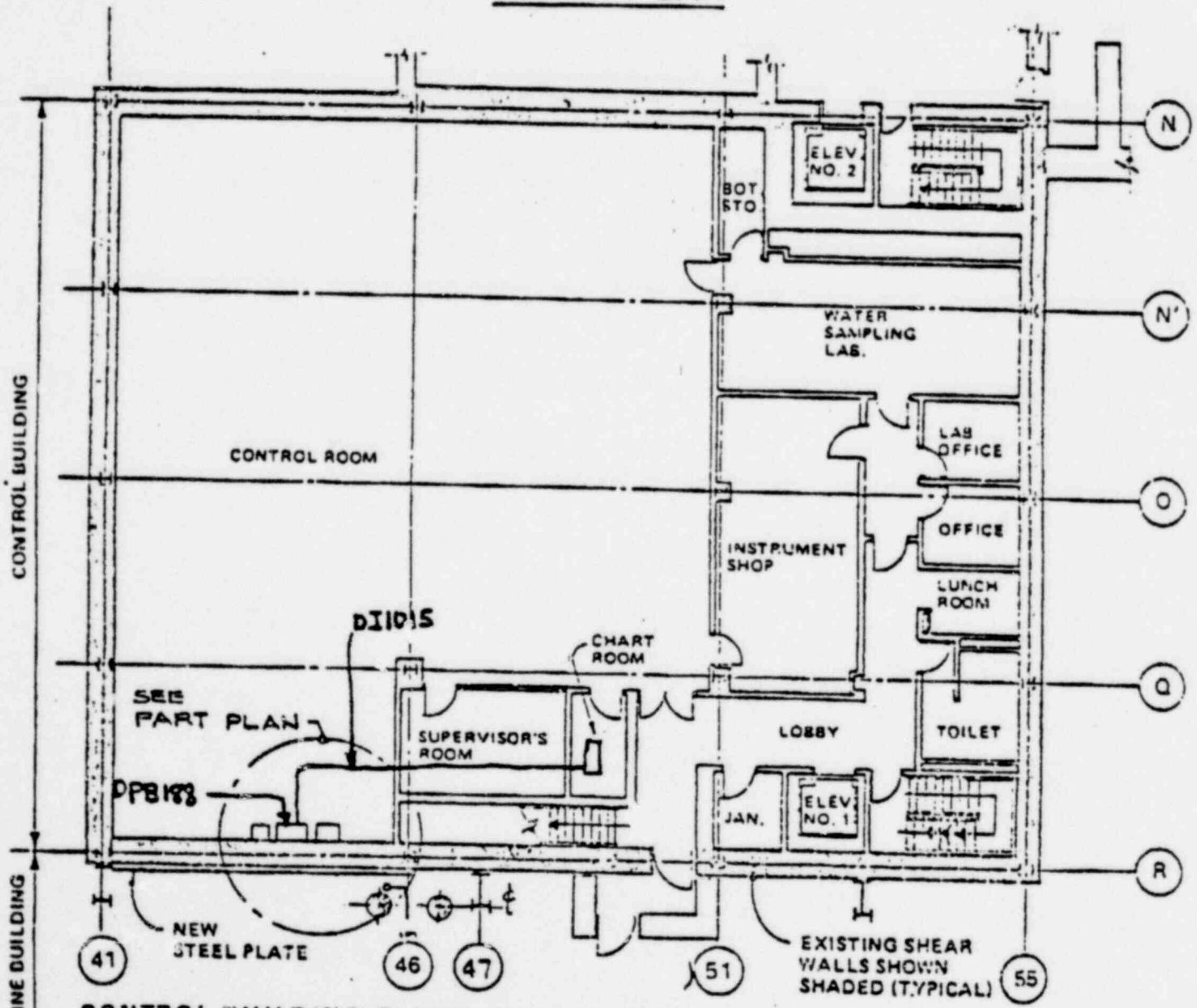
contains a cable from safety train "A" and is located on Elevation 65 ft of the Control Building, as indicated on the attached Sketch No. 2. Conduits BB-1142, AB-1080, and BB-1137 carry nonsafety-related cables and are located on Elevation 65 ft of the Control Building, as indicated on Sketch No. 2. Cable Tray BBA 747 carries safety train "B" and nonsafety-related cables on Elevation 65 ft, as shown on Sketch No. 2.

Sketch Nos. 1 and 2 can be compared with the figures in Section 3 of PGE-1020 to see the modification work in these areas which includes: drilling; installation of bolts, plates, washers and nuts; and for Sketch No. 2, some forming and placement of concrete in the opening through the east wall.

Protection of the conduits and cable trays is described in Section 4 of PGE-1020, answers to NRC Staff questions, and responses to your Interrogatory 7. (DLD)



PART PLAN

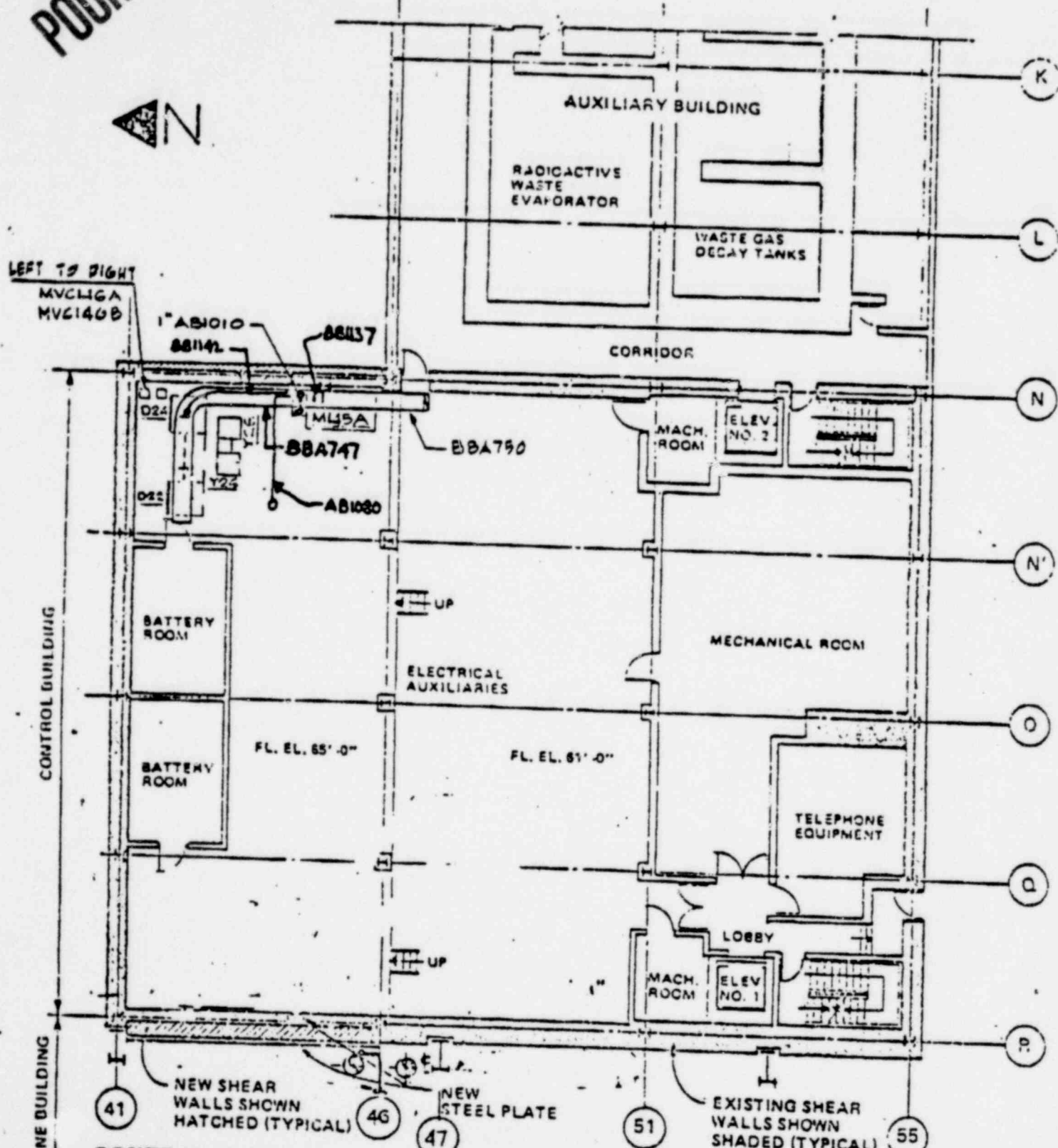


**CONTROL BUILDING FLOOR PLAN EL 93'-0"
SHOWING EXISTING AND NEW SHEAR WALLS**

RESPONSE TO INTERROGATORY 12

1024 201

POOR ORIGINAL



CONTROL BUILDING FLOOR PLAN EL 61'-0" & 65'-0" SHOWING EXISTING AND NEW SHEAR WALLS

1024 202

Interrogatory 13

"State the purpose of the process steam feedwater pipe at elevation 45 ft."

Response to Interrogatory 13

It is assumed that Intervenor is referring to pipeline number 2 in.-HDB-90. That pipe (which was described in Licensee's response dated March 1, 1979 to Consolidated Intervenor's Interrogatory 39) is a nonsafety-related pipe intended for use primarily during periods of shutdown. It would contain water from the electric process steam boiler. (BDW)

Interrogatory 14

"List all non-safety related equipment, piping and cables that will be affected by modification work that is used to perform safety functions (this means to keep the plant operating in a safe condition or to assure that the plant is brought to a safe shutdown.)"

Response to Interrogatory 14

There is no such equipment. Equipment, piping and cables which do not fall within the NRC definition of "safety-related" are not relied upon to perform safety functions. (LWE)

PORTLAND GENERAL ELECTRIC COMPANY

TROJAN NUCLEAR PLANT

February 3, 1978

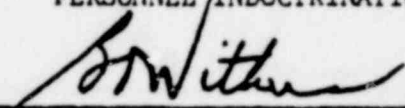
Revision 5

SAFETY-RELATED

~~UNCONTROLLED COPY~~ADMINISTRATIVE ORDER 1009
PERSONNEL INDOCTRINATION

NOT UPDATED

APPROVED BY



DATE

2/3/78PURPOSE

All PGE employees at the Trojan Plant will receive training in the following areas: Radiation Protection, Security, Safety, Emergency Plan Response, Quality Assurance, and Fire Protection. This order details the specific training to be received in each area as well as the frequency of retraining. In addition, a section on new employee training is included.

ORDERS

All employees will receive training as described below:

I. RADIATION PROTECTION

- A. All employees whose job requires access to controlled areas will participate in radiation protection training. The training will be conducted in two parts. The first part will consist of either a live lecture or a video tape presentation. A written examination will be administered to all persons receiving this training. A grade of less than 70% will be cause for the employee to receive additional training. The Training Supervisor will determine the extent and nature of any additional training which is required. The second part of this training will include a series of practical demonstrations. These will include the donning and removal of anti-contamination clothing, exiting from a controlled area, personnel frisking techniques, reading dosimeters, recording information on radiation work permits, and control of contaminated gear.
- B. Radiation Protection retraining will be conducted yearly for all personnel. Plant radiation protection personnel may be exempted from this training at the discretion of the Chemistry and Radiation Protection Supervisor.

II. SECURITY

- A. All employees will participate in a training session on plant security. Either a live lecture or a video tape presentation may be used for this training. A written quiz will be administered to each employee following the training session. A grade of less than 70% will be cause for the employee to receive additional instruction. The nature and extent of this additional training will be determined by the Training Supervisor.
- B. Security retraining will be conducted yearly.

III. SAFETY TRAINING

All employees will participate in a yearly safety training program. This program will be continuing and will consist of bimonthly safety-related lectures. The topics for these lectures will be determined by the Supervisor of Security and Safety.

IV. RADIOLOGICAL EMERGENCY RESPONSE PLAN

- A. All employees will participate in a training session on the Trojan Radiological Emergency Response Plan. A live lecture or a video tape presentation may be used for this training. The training received will stress recognition of alarms and potential problems as well as the employee action for various emergency conditions.
- B. Radiological Emergency Response Plan retraining will be conducted yearly.

V. QUALITY ASSURANCE

- A. All employees will participate in a Quality Assurance Training Program. A live lecture and/or a video tape presentation may be used for this training. The Quality Assurance Supervisor will be responsible for establishing and maintaining the content of this training program.
- B. Quality Assurance retraining will be conducted every two years.

VI. FIRE PROTECTION TRAINING

- A. All employees will participate in a training session on fire protection. Instruction will be provided in the proper procedures for fire prevention, for bringing fires under control and in the use of proper evacuation routes. Either a live lecture or a video tape presentation may be used for this training.
- B. Fire protection retraining will be conducted annually.

VII. NEW EMPLOYEE INDOCTRINATION AND TRAINING

- A. All full time employees will be trained to the levels described in Sections I through VI of this order. The Training Section will arrange with the other sections involved to schedule this training. Completion of the initial training will be recorded on the New Employee Indoctrination Form and in the individual's training record. This training shall be completed within 120 days of the employee's starting date. The employee will not be permitted unescorted access to radiological controlled areas until the training described in Sections I, II, and IV have been completed.
- B. In addition to the initial general employee training each new employee will participate in an indoctrination program. The intent of this program is to familiarize the employee with the Trojan organization and basic policies.

Employee Indoctrination Program

1. The new employee will be instructed to report to Trojan Administrative Supervisor's office. Upon arrival he will be escorted to meet with his immediate supervisor.
2. The Administrative Supervisor will give the employee a "New Employee's Indoctrination Form". This form lists the various plant personnel who may participate in the employee's indoctrination as well as listing training requirements. The employee's supervisor should indicate on the form which personnel the new employee should meet with as part of his indoctrination.

VIII. EXEMPTIONS

- A. Employees who hold a current operator's license and who are participating in a retraining program may be exempted from the retraining in Sections I through V of this order.
- B. Employees who are members of the fire brigade may be exempted from the retraining in Section VI of this order.

IV. RECORDS

- A. The "New Employee's Indoctrination Form" is a working record and will not be retained.
- B. Those employees who receive the training listed in Sections I through VI of this order will be issued a blue card certifying the training received. The card will be signed by a member of the training staff and will list the employee's name, social security number and the expiration date.

- C. Those employees who receive only training listed in Sections II, III, V and VI of this order will be issued a yellow certification card.
- D. A record of the radiological control training will be retained for the life of the facility.
- E. A record of the other training received will be retained for the period of employment of the individual. This record will list the employee's name, social security number, expiration date, and will be color-coded as to the color of the certification card issued.

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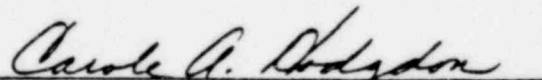
AFFIDAVIT OF D. J. BROEHL

D. J. Broehl, being duly sworn according to law, deposes and says that he is Assistant Vice President, Generation Engineering-Construction, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.



D. J. Broehl

Subscribed and sworn to before me
this 17th day of July 1979.



Notary Public of Oregon

My Commission Expires August 9, 1977

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

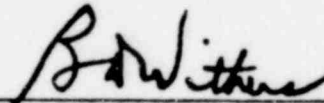
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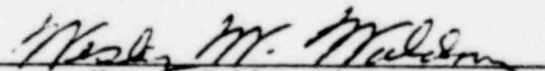
AFFIDAVIT OF B. D. WITHERS

B. D. Withers, being duly sworn according to law, deposes and says that he is General Manager, Trojan Nuclear Plant, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.



B. D. Withers

Subscribed and sworn to before me
this 18th day of July 1979.


Notary Public of Oregon

My Commission Expires DEC 18, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

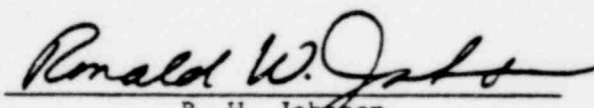
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STATE OF OREGON)
) ss
County of Multnomah)


AFFIDAVIT OF R. W. JOHNSON

R. W. Johnson, being duly sworn according to law, deposes and says that he is a Corporate Attorney, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.



R. W. Johnson

Subscribed and sworn to before me
this 19th day of July 1979.



Notary Public of Oregon

My Commission Expires August 9, 1979

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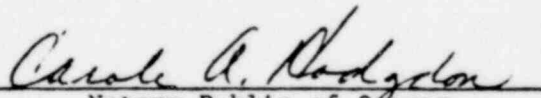
STATE OF OREGON)
) ss
County of Multnomah)

AFFIDAVIT OF L. W. ERICKSON

L. W. Erickson, being duly sworn according to law, deposes and says that he is Trojan Licensing Supervisor, Portland General Electric Company, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.


L. W. Erickson

Subscribed and sworn to before me
this 19th day of July 1979.


Notary Public of Oregon

My Commission Expires August 9, 1979

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

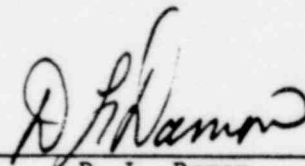
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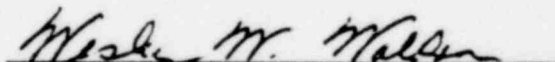
AFFIDAVIT OF D. L. DAMON

D. L. Damon, being duly sworn according to law, deposes and says that he is a Project Engineer, Bechtel Power Corporation, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.



D. L. Damon

Subscribed and sworn to before me
this 18th day of July 1979.



Notary Public of Oregon

My Commission Expires DEC, 18, 1982

1024 212

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

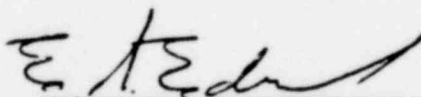
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STATE OF CALIFORNIA)
) ss
County of San Francisco)

AFFIDAVIT OF E. W. EDWARDS

E. W. Edwards, being duly sworn according to law, deposes and says that he is a Field Construction Manager, Bechtel Power Corporation, and that the answers associated with his name and contained in Licensee's Responses dated July 19, 1979 to Interrogatories are true and correct to the best of his knowledge and belief.



E. W. Edwards

Subscribed and sworn to before me

this 18th day of July 1979.


Notary Public of California

My Commission Expires _____

1024 213