

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA 19101

(215) 841-5001

JOSEPH W. GALLAGHER
VICE PRESIDENT
NUCLEAR SERVICES

NRCB 87-02

July 26, 1988

Docket Nos. 50-352
50-353

Mr. Charles E. Rossi, Director
Division of Operational Events Assessment
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: NRC Bulletin 87-02, Supplements 1 and 2
Fastener Testing to Determine Conformance
with Applicable Material Specification

Dear Mr. Rossi:

NRC Bulletin 87-02 requested that all holders of operating licenses or construction permits for nuclear power reactors submit information regarding the identity of the suppliers and manufacturers of safety-related fasteners selected for testing.

Subsequently, and as indicated in NRC Bulletin 87-02, Supplement 1, and later clarified in NRC Bulletin 87-02, Supplement 2, the NRC requested information regarding the identity of all vendors from which safety-related and nonsafety-related ferrous fasteners may have been purchased.

The supplemental bulletins delineated two actions to be taken by the licensees. These actions are restated below along with the Philadelphia Electric Company response.

Action 1:

".... addressees shall provide the following information concerning the procurement of fasteners:

1. A list of the suppliers and manufacturers from which safety-related ferrous fasteners 1/4 inch in diameter or greater may have been purchased, within the past 10 years, including addresses. For those fasteners

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purchased from fastener suppliers and/or original equipment manufacturers, any available information that identifies the manufacturer or sub-tier supplier of the fasteners also should be provided."

Response:

Safety-related material for use at Limerick Generating Station may be purchased in three ways: 1) by the Station, 2) by PECO Construction, 3) or by Bechtel Power Corporation/Bechtel Construction Inc. Purchasing Departments. Safety-related material for use in Unit 2, while in construction, is purchased only by Bechtel Power Corporation/Bechtel Construction Inc. Purchasing Departments.

Safety-related material, purchased by Philadelphia Electric Company for use at Limerick Generating Station, Unit 1, is only obtained from approved suppliers and manufacturers listed in the Philadelphia Electric Company approved Evaluated Suppliers List (ESL).

Attachment 1 provides a listing of names and addresses of suppliers and manufacturers from which Philadelphia Electric Company procured safety-related ferrous fasteners. The attached listing was obtained by a review of the ESL records from the Unit 1 completion date through June, 1988. In addition to this review, a listing of suppliers and manufacturers based on issued purchase order records was also obtained from Philadelphia Electric Company Purchasing Department. Such listing was used to compare and verify the accuracy of the information provided in Attachment 1.

In cases where material was transferred after Unit 1 completion or purchased by Bechtel for Philadelphia Electric Company use or original installation, Attachment III provides the listing of names and addresses of suppliers and manufacturers from which Bechtel Power Corporation/Bechtel Construction, Inc. obtained safety-related ferrous fasteners. Attachment III is also applicable for safety-related material used or purchased by Bechtel for use in Limerick Generating Station, Unit 2.

Action 2:

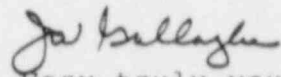
"For nonsafety-related fasteners the same information as requested in the first two sentences of item 1, above, except that: a) the time of interest is for fasteners procured in the last 5 years and b) the search of available records in this case should include purchase orders unless the licensee utilizes approved vendor lists or qualified supplier lists in procuring nonsafety-related fasteners."

Response:

Nonsafety-related material for Limerick Generating Station is also purchased by the methods described in the Action 1 response, with the exception that material is not being exclusively obtained from the Evaluated Suppliers List.

Attachment II provides the listing of names and addresses of suppliers and manufacturers from which Philadelphia Electric Company procured nonsafety-related ferrous fasteners in addition to the ESL. The provided listing was obtained by the Philadelphia Electric Purchasing Department through a review of existing records of issued purchase orders. Attachment IV corresponds to the portion of material transferred or purchased by Bechtel for Philadelphia Electric use in Unit 1 or original installation. Attachment IV is also applicable for material used or purchased by Bechtel for use in Limerick Generating Station, Unit 2.

If you have any questions or require additional information, please do not hesitate to contact us.


Very truly yours,

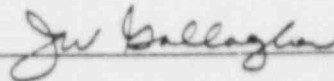
Attachments

cc Addressee
W. T. Russell, Administrator, Region I, USNRC
T. J. Kenny, USNRC Senior Resident Inspector

COMMONWEALTH OF PENNSYLVANIA :
: SS.
COUNTY OF PHILADELPHIA :

J. W. Gallagher, being first duly sworn, deposes and says:

That he is Vice President of Philadelphia Electric Company;
that he has read the foregoing response to NRC Bulletin 87-02,
"Fastener Testing to Determine Conformance with Applicable
Material Specifications" for Limerick Generating Station Units 1
and 2 and knows the contents thereof; and that the statements and
matters set forth therein are true and correct to the best of his
knowledge, information and belief.



Vice President

Subscribed and sworn to
before me this 26th day
of July, 1988



Notary Public

PATRICIA A. JONES
Notary Public, Phila., Phila. Co.
My Commission Expires Oct 13, 1990

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNIT 1
SUPPLIERS AND MANUFACTURERS
FOR
SAFETY-RELATED FERROUS FASTENERS

RESPONSE

TO

NRC COMPLIANCE BULLETIN 87-02

SUPPLEMENTS 1 AND 2

ATTACHMENT I

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNIT 1
SUPPLIERS AND MANUFACTURERS
FOR
SAFETY-RELATED FERROUS FASTENERS

As required by NRC Compliance Bulletin 87-02, Supplements 1 & 2, the following constitutes the list of Suppliers and Manufacturers from which Philadelphia Electric Company purchased safety-related ferrous fasteners:

VELAN VALVE CORPORATION
Avenue "C"
Griswold Industrial Park
Williston, VT 05495

COLT INDUSTRIES
Fairbanks Morse Division
701 Lawton Avenue
Beloit, WI 53511

ANCHOR DARLING VALVE COMPANY
P. O. Box 400
701 First Street
Williamsport, PA 17701

ATWOOD AND MORRILL COMPANY
285 Canal Street
Salem, MA 01970

ROSEMOUNT INC.
291 Great Valley Pkway
Malvern, PA 19355

LIMITORQUE CORPORATION
P. O. Box 11318
5114 Woodall Road
Lynchburg, VA 24502

GENERAL ELECTRIC COMPANY
Group Maschellmac Office Complex
1000 First Avenue
King of Prussia, PA 19406

INGERSOLL RAND COMPANY
Pump Parts Regional Services
P. O. Box 3565
Scranton, PA 18505

GENERAL ELECTRIC COMPANY
ATTN: Order Services - M/C 847
175 Curtner Avenue
San Jose, CA 95125

SMITH-KOCH INC.
2536 S. 59th Street
Philadelphia, PA 19143

I & I SLING CO.
2626 Market Street
Aston, PA 19014

HENRY STEWART CO.
1121 North Delaware Avenue
Philadelphia, PA 19125

ROSEMONT INC.
P. O. Box 35129
Minneapolis, MI 543561

HENRY VOGT
P. O. Box 1918
1000 West Ormsly Avenue
Louisville, KY 40201

BECHTEL WESTERN POWER COMPANY
P. O. Box 3965
San Francisco, CA 94105

PAUL MONROE HYDRAULIC
1701 West Sequoia Avenue
Orange, CA 92667

CHEMTRON FIRE SYSTEMS
1000 Governor Highway
University Park, ILL 60466

TERRY TURBINE
111 Presidential Blvd.
Suite 237
Bala-Cynwyd, PA 19004

BYRON JACKSON PUMP DIVISION
BORG-WAGNER CORPORATION
200 Ocean Gate
Long Beach, CA 90807

BECHTEL WESTERN POWER COMPANY AND
BECHTEL CONSTRUCTION INC.
P. O. Box A - Sanatoga Branch
1610 Medical Drive
Pottstown, PA 19464

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNIT 1
SUPPLIERS AND MANUFACTURERS
FOR
NON-SAFETY-RELATED FERROUS FASTENERS

RESPONSE

TO

NRC COMPLIANCE BULLETIN 87-02

SUPPLEMENTS 1 AND 2

ATTACHMENT II

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNIT 1
SUPPLIERS AND MANUFACTURERS
FOR
NON-SAFETY-RELATED FERROUS FASTENERS

As required by NRC Compliance Bulletin 87-02, Supplements 1 and 2, the following constitutes the list of Suppliers and Manufacturers from which Philadelphia Electric Company purchased non-safety-related ferrous fasteners:

FEGELY, J. & SON INC.
West High Street
P. O. Box 619
Pottstown, PA 19464

LAMAN LOESCHE SUPPLY CO.
302 Moore Street
Philadelphia, PA 19148

HERRON ASSOCIATES INC.
810 C. Dickerson Road
P. O. Box 1518
North Wales, PA 19454

SHUR-KUT SUPPLY CORPORATION
241 Woodland Avenue
P. O. Box 119
Morton, PA 190700119

GENERAL ELECTRIC COMPANY
Group Maschellmac Office Complex
1000 First Avenue
King of Prussia, PA 19406

GENERAL ELECTRIC COMPANY
ATTN: Order Services - M/C 847
San Jose, CA 95125

ALLIED NUT AND BOLT CO.
P. O. Box 670
King of Prussia, PA 19406

SUPERIOR INDUSTRIAL SUPPLIERS, INC.
P. O. Box 773
Wrightstown, PA 18940

MOTIVE SUPPLIERS
106 West Clearfield Street
Philadelphia, PA 19133

A-1 PIPE CO., INC.
P. O. Box 347
Primos, PA 19018

WELDERS SUPPLY INC.
4501 North Howard Street
Philadelphia, PA 19140

BAILEY CONTROLS
C/O Eastern Control
55 West Avenue
Wayne, PA 19087

BECHTEL WESTERN POWER COMPANY
P. O. Box 3965
San Francisco, CA 94105

GENERAL ELECTRIC COMPANY
Support Services Section
158 Gaither Drive
Mount Laurel, NJ 08054

BECHTEL WESTERN POWER COMPANY AND
BECHTEL CONSTRUCTION INC.
P. O. Box A - Sanatoga Branch
1610 Medical Drive
Pottstown, PA 19464

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNITS 1 & 2
SUPPLIERS AND MANUFACTURERS
FOR
SAFETY-RELATED FERROUS FASTENERS

RESPONSE

TO

NRC COMPLIANCE BULLETIN 87-02

SUPPLEMENTS 1 AND 2

ATTACHMENT III

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNITS 1 & 2
SUPPLIERS AND MANUFACTURERS
FOR
SAFETY-RELATED FERROUS FASTENERS

As required by NRC Compliance Bulletin 87-02, Supplements 1 and 2, the following constitutes the list of Suppliers and Manufacturers from which Bechtel Power Corporation/Bechtel Construction Inc. purchased safety-related ferrous fasteners:

A & G ENGINEERING II, INC.
4640 E. LaPalma Ave.
Anaheim, CA 92807

ALLIED NUT AND BOLT CO.
520 Hertzog Blvd.
P. O. Box 670
King of Prussia, PA 19406

ANDERSON GREENWOOD CO.
P. O. Box 297326
Houston, TX 77297

HUCK MANUFACTURING CO.
8001 Imperial Drive
P. O. Box 8117
Waco, TX 76714

C. B. IVES & CO. INC.
601 Trouton Rd.
King of Prussia, PA 19406

C. B. IVES & CO. INC.
P. O. Box 7777-W4440
Philadelphia, PA 19175

C. B. IVES & CO. INC.
P. O. Box 13953
Philadelphia, PA 19101

CARDINAL IND. PRODUCTS
P. O. Box 101278
Atlanta, GA 30392

CHICAGO TUBE & IRON
2531 W. 48th St.
Chicago, IL 60632

POWER ENGINEERING
P. O. Box 605
Framingham, MA 01701

CONSOLIDATED PIPE SUPPLY
Drawer T-325
Nashville, TN 37244

CONSOLIDATED POWER
P. O. Box 421
Furlong, PA 18925

BETHLEHEM STEEL
P. O. Box 7788-1677
Philadelphia, PA 19182-0216

DRILLCO IND., LTD
P. O. Box 6205
10-05 35th Ave.
Long Island, NY 11106

DuBOSE STEEL
P. O. Box 1098 Highway 24
Roseboro, NC 28382

TARGET ROCK
1166 E. Broadhollow Rd.
East Farmingdal, NY 11735

GENERAL ELECTRIC
1515 Market Street
Philadelphia, PA 19102

CARPENTER TECHNOLOGY
235 New York Drive
Ft. Washington, PA 19034

GEORGIA POWER CO.
P. O. Box 282
Wyansboro, GA 30830

CUSTOM ALLOY
Rout 513
Califon, NJ 07830

HARDWARE SPECIALITIES INC.
48-75 36th St.
Long Island, NY 11101

HUB, INC.
P. O. Box 102591
68 Annex
Atlanta, GA 30368

McJUNKIN CORP.
P. O. Box 513
Charleston, WV 25322

MEDEDITH CORP.
PVN Steels
460 Hillside Ave.
Hillside, NJ 07025

RADNOR ALLOYS
950 South 4th Street
Harrison, NJ 07029

NOVA MACHINE PRODUCTS
P. O. Box 30287
Middleburg, OH 44130

NPS INDUSTRIES
P. O. Box 40000
Dept. 470
Hartford, CT 06151

PACIFIC SCIENTIFIC
P. O. Box 15721
Baltimore, MD 21263

PACIFIC SCIENTIFIC
1100 E. W. Highway
Silver Springs, MD 20910

PACIFIC SCIENTIFIC
1346 S. State College Blvd.
Anaheim, CA 92803

PACIFIC SCIENTIFIC
Kin-Tech Division
Dept. 0181
Los Angeles, CA 90084-0181

WESTINGHOUSE ELEC. CORP.
P. O. Box 340172P
Pittsburgh, PA 15264

CARDINAL INDUSTRIES
P. O. Box 1430 Highway 460
Grundy, VA 24614

R.E.C. CORP.
47 Cedar St.
New Rochelle, NY 10801

HUCK MANUFACTURING CO.
85 Grand St.
Kingston, NY 12401

HUCK MANUFACTURING CO.
P. O. Box 77849
Detroit, MI 48277

McJUNKIN CORP.
Dept. L300P
Pittsburgh, PA 15264

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNITS 1 & 2
SUPPLIERS AND MANUFACTURERS
FOR
NON-SAFETY-RELATED FERROUS FASTENERS

RESPONSE

TO

NRC COMPLIANCE BULLETIN 87-02

SUPPLEMENTS 1 AND 2

ATTACHMENT IV

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION, UNITS 1 & 2
SUPPLIERS AND MANUFACTURERS
FOR
NON-SAFETY RELATED FERROUS FASTENERS

As required by NRC Compliance Bulletin 87-02, Supplements 1 and 2, the following constitutes the list of Suppliers and Manufacturers from which Bechtel Power Corporation/Bechtel Construction Inc. purchased non-safety related ferrous fasteners:

B & G MANUFACTURING CO.
P. O. Box 269
3067 Unionville, Pike
Hatfield, PA 19440

CLENDENIN BROTHERS
4309 Erdman Ave.
Baltimore, MD 21213

EXCELL TOOL
1 Bay St.
Sterling, NJ 07980

FASTENING PRODUCTS CO.
Price & Pine Sts.
Holmes, PA 19043

GENERAL COPPER & BRASS
414 MacDade Blvd.
Collingdale, PA 19023

GESIPA CO.
P. O. Box 5068
610 Plum St.
Trenton, NJ 08638

WELSON STUD
E. 28th & Toledo Ave.
Lorraine, OH 44055

PARKER SEAL
10567 Jefferson Blvd.
Culver City, CA 90232

PARKER-HANNIFIN
C/O Mid Atlantic Inst.
P. O. Box 2825
York, PA 17405

PIC DESIGN
P. O. Box 1004
Benson Rd.
Middleberry, CT 06762

ROBROY INDUSTRIES
1445 S. Penna. Ave.
P. O. Box 218
Morrisville, PA 19067-0218

SKELLY BOLT CORP.
P. O. Box 583
Burlington, NJ 08016

SOUTHCO FASTENERS
210 N. Brinton Lake Rd.
Concordville, PA 19331

SPECIAL SECTIONS INC.
2266 Tillotson Ave.
Bronx, NY 10475

SPS TECH
Highland Ave.
Jenkintown, PA 19046

TEXAS BOLT
3233 W. 11 St.
P. O. Box 1211
Houston, TX 77251