

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8808020174 DOC.DATE: 88/07/26 NOTARIZED: YES DOCKET #
 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH.NAME AUTHOR AFFILIATION
 SORESENSEN,G.C. Washington Public Power Supply System
 RECIP.NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Responds to NRC Bulletin 87-002,Suppls 1 & 2 re whether fasteners in stores at facilities met requirements.

DISTRIBUTION CODE: IE57D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 14
 TITLE: 87-02 & 87-02 Supplement,Fastener Testing to Determine Conformance w/

NOTES:

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
PD5 LA	1 0	NRR ROSS,T	1 1
PD5 PD	1 1	SAMWORTH,R	1 1
INTERNAL: AEOD/DOA	1 1	AEOD/DSP	1 1
AEOD/DSP/TPAB	1 1	NRR/DEST/ADE 8H	1 1
NRR/DEST/ADS 7E	1 1	NRR/DOEA/EAB 11	1 1
NRR/DOEA/GCB 11	1 1	NRR/DRIS/VIB 9D	2 2
NRR/PMAS/ILRB12	1 1	NUDOCS-ABSTRACT	1 1
OI	1 1	REG FILE 02	1 1
RES/DSIR/EIB	1 1	RGN5 FILE 01	1 1
EXTERNAL: EG&G BARNES,B	1 1	LPDR	1 1
NRC PDR	1 1	NSIC	1 1

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

G02-88-162
July 26, 1988

Docket No. 50-397

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21
RESPONSE TO NRC BULLETIN 87-02,
SUPPLEMENTS 1 AND 2

Reference: 1) NRC Bulletin 87-02, "Fastener Testing to Determine
Conformance with Applicable Material Specifications",
dated November 6, 1987
2) NRC Bulletin 87-02, Supplement 1, dated April 22, 1988
3) NRC Bulletin 87-02, Supplement 2, dated June 10, 1988
4) Letter, G02-88-007, GC Sorensen to NRC, "WNP-2 Fastener
Testing Program", dated January 11, 1988
5) Letter, G02-88-075, GC Sorensen to NRC, "WNP-2 Fastener
Testing Program, Supplemental Report", dated March 31, 1988

The subject bulletin (Reference 1) required licensees to review their receipt inspection requirements and internal controls for fasteners and to independently determine, through testing, whether fasteners in stores at their facilities met required mechanical and chemical specification requirements. The Supply System did this, and provided the responses in References 4 and 5.

8808020174 880726
PDR ADOCK 05000397
Q PNU

IE57
11

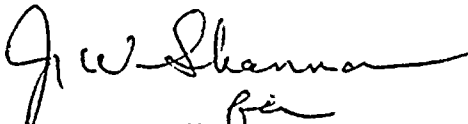
Page Two
RESPONSE TO NRC BULLETIN 87-02,
SUPPLEMENTS 1 AND 2

Supplement 1 to the subject bulletin (Reference 2) required licensees to provide a list of the suppliers and manufacturers from whom safety related and non safety related fasteners have been purchased, including addresses, and the type of fasteners purchased. Supplement 2 to the subject bulletin (Reference 3) clarified the type of information being required (i.e., limited to ferrous fasteners 1/4 inch in diameter or greater), and further clarified a "best-effort" approach to non safety related fasteners. The purpose of this letter is to provide the information required by Supplements 1 and 2 to the subject bulletin.

The Supply System has completed review of its records. Attachment 1 provides the names and addresses of the suppliers and manufacturers identified from the review from whom we may have obtained safety related fasteners. If both safety related and non safety related fasteners were obtained from the same supplier, they were included in Attachment 1. The time period for each particular manufacturer is as indicated in the attachments. Similar information for non safety related fasteners is provided in Attachment 2.

Attachment 3 contains the commonly used bolting material specifications utilized at WNP-2, and completes the Supply System's response to Supplements 1 and 2 to the subject bulletin.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

HLA/bk


cc: JB Martin - NRC RV
NS Reynolds - BCP&R
RB Samworth - NRC
DL Williams - BPA/399
NRC Site Inspector - 901A

STATE OF WASHINGTON)
COUNTY OF BENTON)

Subject: Bulletin 87-02

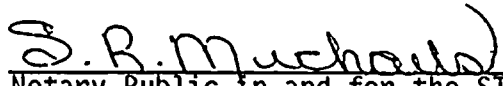
I, J. W. Shannon, being duly sworn, subscribe to and say that I am the Deputy Managing Director for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information and belief the statements made in it are true.

DATE 7/26, 1988


J. W. Shannon
Deputy Managing Director

On this day personally appeared before me J. W. Shannon to me known to be the individual who executed the foregoing instrument and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

GIVEN under my hand and seal this 26 day of July 1988.


Notary Public in and for the STATE
OF WASHINGTON
Residing at Rochland, WA

A&G Engineering Co. II
4640 East LaPamle Ave.
Anaheim, CA 92806
September 1982 - May 1988

Abbot Valve & Fitting Co
6090 Cochran Rd
Solon, OH 44139
June 1983

Acme Industrial
4322 NW Yeon Ave
Portland, OR 97210
November 1977

Aerofast Industrial Products
PO Box 15342
Salt Lake City, UT 84115
June 1977 - March 1980

Amfac Electric Supply Co.
1925 West A Street
Pasco, WA 99301
April 1976 - November 1982

Anchor/Darling Valve Co
PO Box 3428
701 1st Street
Williamsport, PA 17701
December 1982 - January 1988

Anchor Darling Valve Co
Suite 320
One Delmont Avenue
Bala Cynwyd, PA 19004
May 1978 - January 1980

Anderson Greenwood
PO Box 1097
Bellaire, TX 77401
April 1979 - November 1983

Automatic Products
1019 Columbia Drive SE
Suite 6
Richland, Wa 99352
December 1979

B&G Manufacturing
PO Box 260
3067 Unionville Pike
Hatfield, PA 19440
March 1980

Bingham Willamette
Swan Island
Portland, OR
July 1974

BIF Industries
West Warwick &
Providence, RI
August 1977

Borg Warner Nuclear Valve Div.
7500 Tyrone Ave.
Van Nuys, CA 91409
November 1979 - August 1983

Cardinal Industrial Products,
3873 W. Oquendo
Las Vegas, NV 89118
December 1978 - May 1988

Cisco (Coarse Industrial Supply)
1262 Urban Avenue South
Seattle, WA 98168
October 1979 - May 1986

Coast Industrial Supply
15750 Salt Lake Ave
City of Industry, CA 91745
February 1976 - September 1978

Crane - Deming Pump Co
Salem, Ohio
November 1977 - February 1979

Crosby Valve & Gage Co.
43 Kendrick St.
Wrentham, MA 02093
April 1986

Divesco - NSSS Inc.
5000 Hwy 80 East
Jackson, MS 39208
February 1987

Dobbens Metal Products
January 1977

Dragon Valve
13457 Excelsion Drive
PO Box 489
Norwalk, CA 90650
September 1982 - November 1987

Dresser Industries
PO Box 1487
Burlingame, CA 94010
August 1982

E&G Manufacturing
PO Box 260
3067 Unionville Pike
Hatville, PA 19440
March 1980

Electromotive Div. GM Corp
Division of General Motors
181 Main Ave.
Sacramento, CA 95838
March 1982 - June 1986

Fasteners, Inc
PO Box 804
423 N. Oregon
Pasco, WA 99302
March 1975 - April 1988

General Electric Co.
Nuclear Energy Division
175 Curtner Ave
San Jose, CA 95125
July 1974 - May 1988

General Electric Supply (GESCO)
1928 West A Street
Pasco, WA 99301
February 1976 - October 1985

General Electric Co.
2929 NW 29th
Portland, OR 97207
December 1982 - April 1983

General Electric Co.
Wilmington, N.C.
July 1974 - September 1981

Globe Machinery
E 1st & Court
Des Moines, Iowa
October 1978

Gould, Inc
The Commons Bldg, Suite C155
1200 112th NE
Bellevue, WA 98004
February 1979

Guyon Alloys
3400 Rogerdale Rd
Houston, TX 72042
August 1978 - May 1983

Hilti Fastening Co
14500 Doolittle Drive
San Leandro, CA 94557
August 1978 - April 1980

Hilti Incorporated
1811 S Palouse Street
Kennewick, WA 99336
February 1976 - October 1982

H.K. Porter
Springdale, Ark
March 1976 - April 1981

Hubb Steel
PO Box 125
Tucker, GA 30084
Sept. 1982 - March 1988

ITT Grinnell Corp
3240 Northwest 29th Ave
Portland, OR 97210
September 1978 - September 1982

ITT Grinnell
Diaphragm Valve Div
Lancaster, PA
December 1982

ITT Grinnell
3101 Elliott Avenue
Seattle, WA 98121
June 1980

James C. White Co.
PO Box 5495
Station B
Greenville, South Carolina 29606
September 1977

Joy Manufacturing Co.
338 South Broadway
PO Box 431C
New Philadelphia, OH 44663
November 1978 - February 1988

John Perine Co. Inc.
820 South Adams
Seattle, WA 98108
January 1974 - May 1988

Joseph Dyson & Sons Inc
Dependable Div
PO Box 4378
Cleveland, OH 44137
December 1975

Keystone Tubular Services
PO Box 1109
Auburn, WA 98002
April 1978 - March 1979

Kaman Instrumentation
1500 Garden of Gods Road
Colorado Springs, CO 80933
May 1982 - March 1983

Leckenby Structural Steel Corp
2745 11th S.W.
Seattle, WA 98134
April 1977

Liberty Equipment & Supply Co.
620 E. Bruneau
Kennewick, WA 99336
October 1979 - February 1988

Limitorque Corp
c/o Norman Rupp Co.
1710 SE Brooklyn
Portland, OR 97202
August 1982 - June 1983

Limitorque Corp
5114 Woodall Road
PO Box 11318
Lynchburg, VA 24506
August 1982 - September 1987

McCulloch Industrial Inc
1800 Freeway Blvd
Minneapolis, MN 55440
June 1978 - April 1980

McJunkin Corp
PO Box 553
Charelston, West Virginia
September 1978

M&M Bolt Co.
T209 East Ainsworth
Pasco, WA 99301
June 1983 - May 1988

Murdock, Inc
Compton, CA
July 1974

North Coast Electric
171 South Jackson
Seattle, WA 98108
March 1976 - October 1978

Northwest Bolt & Nut Co
4250 Eighth Avenue Northwest
Seattle, WA 98107
April 1977 - September 1978

Nova Machine Products Corp
18685 Sheldon Road
Middleburg Heights, OH 44130
October 1987 - May 1988

NPS Industries
1 Harmon Plaza
Secaucus, NJ 07094
August 1978 - July 1983

NPS Industries
2750 SW Moody
Portland, OR 97201
March 1980 - June 1984

Pacific Scientific
1346 S. State College Blvd.
Anaheim, CA 92803
April 1983

Portland Bolt & Manufacturing
1210 NW Johnson
Portland, OR 97209
March 1976 - June 1983

Power & Engineered Products Co
157 Helen Street
South Plainfield, NJ 07080
March 1980 - June 1987

Power Piping
829 Beaver Avenue
Pittsburg, PA 15233
December 1979 - May 1988

Pybus Steel
Orondo Street & Columbia River
PO Box 678
Wenatchee, WA 98801
August 1978 - August 1983

Ray Bristow Inc
1640 NW 14th Ave
Portland, OR 97209
April 1976 - February 1983

R.E.C. Corp
2 Sheraton Plaza
New Rochelle, NY 10801
November 1981

Reliance Electric
24701 Euclid Ave.
Cleveland, OH 44117
June 1983

Rocky Mountain Nuclear
June 1977

Rosemount
12727 NE 20th St. Suite 20
Bellevue, WA 98005
January 1980

Ryerson Steel
PO Box 3525
Seattle, WA 98124
August 1978

Seattle Valve & Fitting
13417 NE 20th Street
Bellevue, WA 98005
March 1980

Southern Bolt & Fastener Corp.
PO Box 7196
Shreveport, LA 71107
August 1979 - July 1987

Southwestern Research Institute
6220 Culebra Road
San Antonio, TX 78284
November 1978

Special T-Metals Co. Inc
PO Box 5922
Lenexa, MS 66215
June 1978

Standard Fittings Co
PO Box 1266
Opelousa, LA 76570
April 1978

Stoney Electric Co.
2780 South Raritan Street
Englewood, CO 80110
September 1978 - October 1979

Stoneway Electric Co.
630 Railroad Street
Richland, WA 99352
July 1978 - August 1982

Tacoma Screw Products
Suite B 2001 Center Street
Tacoma, WA 98402
June 1975 - July 1987

Technical Controls
12841 NE 14th Place
Bellevue, WA 98005
August 1978 - May 1982

Teledyne Osco
2966 E 55th Street
Cleveland, OH 44127
July 1973 - September 1973

Terry Steam Turbine Corp.
PO Box 555
Windsor, CT 06095
July 1974 - February 1984

The Burhanan-Sharp Co
PO Box 3906
Seattle, WA 98124
April 1975

Unistrut
353005 Michigan Ave West
Wayne, MI 48184
April 1982

Unistrut Northwest Service Center
18401 Cascade Avenue South
Southcenter South Industrial Park
Seattle, WA 98188
March 1973 - June 1983

Unit Process Company
420 6th Street South
Kirkland, WA 98004

U.S. Gypsum
Glove Metal products Division
Rual Rt. 2
Pinckneyville, Ill 62274
October 1977 - May 1978

Valley Nut & Bolt
10111 Tilley Road SW
Olympia, WA 98502
January 1981 - February 1985

Velan Engineering Ltd
2125 Ward Avenue
St. Laurent EC H4M 1T6
Quebec, Canada
January 1983 - August 1985

Velan Valve
Velan Engineering
St. Laurent, Montreal Canada
March 1978 - October 1982

Votaw Precision Tool Co.
Santa Fe Springs, CA
July 1974 - October 1981

Westinghouse
PO Box 3938
Seattle, WA 98124
September 1977 - April 1982

Westinghouse
June 1975 - June 1981
(conducting own file search)

Westinghouse Electric Co.
PO Box 2040
Tri Cities, WA 99302
July 1978

Westron Inc
5101 N Interstate Ave
Portland, OR 97217
March 1980

Worcester Gear
November 1976

A&T Supply
PO Box 63
Midvale, VT 84047
February 1977 - March 1977

Allied Bolt
PO Box 80004
Seattle, WA 98108
December 1974 - March 1984

Allied Bolt
103 E Kennewick Ave
Kennewick, WA 99336
September 1982 - March 1985

Allied Bolt
611 West Ainsworth
Pasco, WA 9301
February 1987 - May 1987

Asea Inc
Sweden
April 1975 - July 1981

Bailey Meter Co
29801 Euclid Ave
Wickliffe, OH 44092
June 1979

BIF
West Warwick
Providence, RI
May 1975 - May 1978
Supplier - Limitorque Corp
5114 Woodall Rd
Lynchburg, VA

Branch Instrument Co.
5500 4th Ave. S
Seattle, WA 98108
February 1980

Bronom Inst.
5500 4th Avenue 50
Seattle, WA 98108
August 1978

Compressor Engineering Corp
5440 Alder
Houston, TX 77081
March 1987

Consolidated Electrical Distr. Inc.
515 W Entick
PO Box 6105
Kennewick, WA 99336
April 1977

Consolidate Supply
900 E Chemical Drive
Kennewick, WA 99336
April 1982

Construction Tool Service In.
3616 Liberty Avenue
Pittsburgh, PA 15201
October 1975 - March 1982

Crane Co
Demming Pump Div
1453 Allen Road
Salem, OH 44460
December 1975 - June 1986

Crane Co
Chemical Pump Div
Warrington Industrial park
Warrington, PA 18976
November 1981

Dis-Tran Products Inc.
PO Box 7237
Alexandria, LA 71301
July 1977

DeLaval Inc.
853 Nottingham Way
PO Box 8788
Trenton, NJ 08650
March 1988

DeLaval Turbine, Inc
Condenser & Filter Div.
Front Street
Florence, NJ 08518
April 1977 - February 1981

DeLaval Turbine Inc
One Penn Plaza, 250 W 34th St
New York, NY 10001
September 1974 - June 1975

Ecodyne/Graver Water Div
350 Sherman Ave
Newark, NJ 07042
May 1978

Electro-Motive Div.
General Motors Corp
Parts Sales Dept
La Grange, IL 60525
January 1988 - June 1988

Esco Corp
PO Box 2583
Spokane, WA 99220
August 1981

Fairbanks Morse Pump Div
3601 Fairbanks Ave
Kansas City, KS 66110
July 1981 - August 1985

Familian Northwest
223 N Benton
Kennewick, WA
July 1978 - November 1982

Fasteners Inc
N 720 Fancher Road
PO Box 3004
Spokane, WA 99220
December 1975 - September 1980

Fasteners Inc.
400 W Moore
Walla Walla, WA
August 1975 - January 1976

Globe Metal Products Division
U.S. Gypsum Co.
Rural Route 2
Pinckneyville, Ill 62274
June 1977

Goulds Pumps Inc
240 Fall St
PO Box 330
Seneca Falls, NY 13148
March 1979 - June 1986

GE Supply Co.
1928 West A Street
Pasco, Wa 99302
June 1975 - February 1978

General Electric
Industrial Sales Division
112 Andover Park East
Seattle, WA 98188
November 1975

General Electric
Mobile Communications Div
Service Parts
PO Box 4164
Lynchburg, VA 24502
March 1978 - December 1986

Graybar Electric Co. Inc.
West 1033 Gardner Avenue
Spokane, WA 99201
July 1975 - September 1975

Hayward Tyler Pump Co
1170 Burnett Ave, Suite K
Concord, CA 94520
June 1980

H.K. Porter Inc.
2437 W. Fulton St.
Chicago, ILL 60612
May 1976

H.K. Porter Co.
8315 SW Barbur Blvd
Portland, OR 97219
June 1978 - December 1978

Hilti Fastenings Systems Inc.
632 Cedar
Richland, WA 99352
September 1975 - November 1975

Inland Tool & Supply
223 Rd 24
Pasco, WA 99301
June 1977

Ingrsoll Rand Co
10400 NW 13th Ave
PO Box 1868
Vancouver, WA 98686
December 1985

Ingersoll Rand Co
227 Park Ave
New York, NY 10017
August 1976

Ingesoll Rand Co
Painted Post, NY
June 1978 - July 1982

Ingersoll Rand Co
Philipsburg, NJ
July 1975 - April 1981

Inland Tool
223 S 24th
Pasco, WA 99301
November 1978

ITT Grinnell
PO Box 4189
Spokane, WA 99202
August 1982

ITT Grinnell
E 909 Sprague
Spokane, WA 99202
October 1981 - February 1982

Kaman Sciences Corp
1500 Garden of the Gods Rd
PO Box 7463
Colorado Springs, CO 80933
May 1986

Kansas City Bolt, Nut & Screw Co.
1324 West 12th Street
Kansas City, Md 64101
November 1978

Kennewick Industrial
113 E Columbia Drive
Kennewick, WA 99336
August 1978 - January 1979

Limitorque Corp
2600 East Mira
Loma Way
Anaheim, CA 92806
June 1982

MCC Powers, Inc.
name changed to
Landis & Gyr Powers, Inc
1720 124th Ave NE
Bellevue, WA 98005
October 1985 - October 1987

McMaster Carr Supply Co
9630 Norwalk Blvd
PO Box 54960
Santa Fe Springs, CA 90670
October 1976 - April 1988

Monarch Machine
410 South Oregon
Pasco, WA 99301
September 1975

Midwest Bolt & Supply
1685 NE 53rd
Des Moines, Iowa
July 1978

Milliore Corp
80 Ashby Rd
Bedford, MA 01780
April 1984

Nash Engineering Co
PO Box 2466
Redmond, WA 98052
December 1986 - April 1987

Nevada Nut & Bolt Inc
3650 West Russell Road
Las Vegas, NV 89102
January 1981 - October 1982

Northwest Controls
S. 26 Napa Street
Spokane, WA 99202
August 1980

Norton Corrosion Limited Inc.
22327 89th Ave.
Woodinville, WA 98072
September 1972

Pacific Valve
3201 Walnut Avenue
Longbeach, Ca 90807
November 1977 - July 1982

Platt Electric Supply Inc.
8300 Gage Blvd.
Kennewick, WA 99336
April 1977 - June 1977

Portland Electric & Plumbing
114 S. Auburn
Kennewick, WA 99336
September 1981

Ray Bristow Co.
1819 SW Court Ave.
Pendelton, OR 97801
November 1976 - April 1982

Safeway Supply Inc.
PO Box 3437
East 1507 Sprague Avenue
Spokane, WA 99220
January 1979 - February 1979

Sime Construction Co.
Box 6184
Kennewick, WA 99336
October 1975

Southwestern Engineers
Subsidiary of Tyler Corp
PO Box 54940
6111 E Bondini Blvd
Las Angeles, CA 90054
May 1986

St. Regis Supply
Minneapolis & St. Paul Ave.
Tacoma, WA 98401
February 1979

Storey Electric Co.
2780 S. Raritan Street
Englewood, CO 80110
January 1980

The Marley Co
PO Box 2912
Mission, KS 66201
April 1981

The Marley Co
c/o Olympia Engineered Sales
PO Box 549
Bellevue, WA 98109
February 1978 - March 1986

Thompson Lighting
901 Sibley Hwy
St. Paul, MN 55118
October 1979

Union Pump Co
87 Capital Ave
Battle Creek, MI 49016
November 1984 - January 1985

Unistrut
14800 S. Marquardt Avenue
Santa Fe Springs, Ca 90670
August 1977

Unistrut
733 South Fidalgo
Seattle, WA 98108
May 1975 - August 1981

Unistrut Northwest Service Center
18401 Cascade South
Southcenter Industrial Park
Seattle, WA 98188
February 1978 - October 1983

Wallace & Tiernan Div
300 120th NE Bldg 1, Suite 209
Bellevue, Wa 98005
October 1979 - February 1985

Wallace & Treman Div
Pennwalt Corp
25 Main Street
Belleville, NJ 07129
May 1975 - February 1985

Walworth Company
PO Box 1009
Paramount, Ca 90723
December 1981 - March 1983

Walworth Company
10190 Harwin Drive
PO Box 297243
Houston, Tx 77036
May 1987

Walworth
Greensburg, PA
December 1979 - August 1982

Westinghouse
5901 SW Macadah Ave
Portland, OR 97210
June 1980 - December 1987

Westinghouse Electric
1019 Columbia Dr. SE
Richland, WA 99352
May 1982

Worthington Pump Division
c/o Mitchell Lewis & Staver
801 SE Alder
Portland, OR 97214
February 1988

Yakima Hardware Co. Inc.
226 S First Street
Yakima, WA 98901
October 1977

Zurn Industrial Inc.
Cooling Tower Division
Lincoln Center
5401 W Kennedy Blvd
Tampa, FL 33609
August 1980

ATTACHMENT 3
COMMONLY USED BOLTING MATERIALS AT WNP-2

SA/A-193 GR B7
GR B8

SA/A-194 GR 2H
GR 4
GR 7
GR 8

SA/A-307 GR A
GR B

SA/A-320 GR L7

SA/A-325 (All types)

SA/A-354 GR BC

SA/A-449

SA/A-490

SA/A-540 (All grades and classes)

SA/A-563 (All grades except "0")