



## Nebraska Public Power District

GENERAL OFFICE  
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499  
TELEPHONE (402) 564-8561

NLS8800368

July 20, 1988

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Response to NRC Bulletin No. 87-02, Supplements 1 and 2  
Cooper Nuclear Station  
NRC Docket No. 50-298, DPR-46

- References:
1. NRC Bulletin No. 87-02, Supplement 1, dated April 22, 1988, "Fastener Testing to Determine Conformance with Applicable Material Specifications"
  2. NRC Bulletin No. 87-02, Supplement 2, dated June 10, 1988, "Fastener Testing to Determine Conformance with Applicable Material Specifications"
  3. NRC Compliance Bulletin No. 87-02, dated November 6, 1987, "Fastener Testing to Determine Conformance with Applicable Material Specifications"
  4. Letter from L. G. Kuncel to R. D. Martin, dated January 11, 1988, "Response to NRC Compliance Bulletin No. 87-02"

On April 22, 1988, the NRC issued Bulletin No. 87-02, Supplement 1 (Reference 1), and later provided clarification of these requirements by issuing Bulletin No. 87-02, Supplement 2 (Reference 2). The attached contains the District's response to NRC Bulletin No. 87-02, Supplements 1 and 2.

The NRC issued NRC Compliance Bulletin No. 87-02 (Reference 3) on November 6, 1987. This bulletin required licensees and construction permit holders to review their receipt inspection requirements and controls for vendor-supplied fasteners and independently determine, through testing, whether fasteners (studs, bolts, cap screws, and nuts) in stores at their facilities met applicable mechanical and chemical specification requirements. Response to Bulletin No. 87-02 was required within 60 days of its receipt.

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By letter dated January 11, 1988, (Reference 4) the District provided its response to NRC Bulletin No. 87-02. This response provided a description of the procedures and controls in place at CNS for the receipt of vendor-supplied fasteners, and indicated that all fasteners selected and tested in accordance with Bulletin No. 87-02 were within specifications. As a result of this testing, no further action on the Bulletin was anticipated or planned.

NRC Bulletin No. 87-02, Supplement 1 requested licensees and construction permit holders to submit information regarding the vendors which have supplied safety-related or nonsafety-related fasteners within the last 10 years. This information was to include the name and address of the manufacturer or supplier, and specification of the fastener provided.

Upon receiving Bulletin No. 87-02, Supplement 1, the District began a search of Purchase Orders (POs) and Certifications to generate the requested information.

On June 10, 1988, the NRC issued Bulletin No. 87-02, Supplement 2, which superseded the requirements of Bulletin No. 87-02, Supplement 1. NRC Bulletin No. 87-02, Supplement 2 required addressees to provide within 90 days of receipt of Supplement 1:

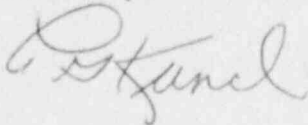
- "1. A list of the suppliers and manufacturers from which safety-related ferrous fasteners 1/4 inch in diameter or greater may have been purchased, within the past 10 years, including addresses. For those fasteners purchased from fastener suppliers and/or original equipment manufacturers, any available information that identifies the manufacturer or sub-tier supplier of the fasteners also should be provided. Approved Vendor List or Qualified Supplier Lists are the intended sources for this information. Addressees are not required to search purchase order files, contact subcontractors to obtain the information, or submit data on fasteners supplied as part of the original component.
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. This information collection is understood to be on a best-effort basis. Further, addressees are not required to contact subcontractors to obtain the information or to submit data on fasteners supplied as part of an original component."

Accordingly, the District has gathered the requested information. Attachment 1 identifies the suppliers/manufacturers which may have provided CNS with safety-related fasteners as described above during the past 10 years. This list was generated by review of the District's Approved Supplier List (ASL) for the time period July 1977 through June 1988. Additionally, Attachment 2 identifies potential sub-tier suppliers/manufacturers of safety-related fasteners identified during the District's review of POs and Certifications initiated in response to Supplement 1.

Attachment 3 provides the list of manufacturers/suppliers which may have provided nonsafety-related fasteners to CNS. The District generated this list by 1) reviewing nonsafety-related POs, Certifications, and contracts for the period January 1983 through May 1988 and 2) reviewing nonsafety-related Field Purchase Orders (retained for a one year period) from January 1987 through June 1988.

If you have any questions regarding this response, or require any additional information, please contact me at the District's Corporate Office.

Sincerely,



L. G. Kuncel  
Nuclear Power Group Manager

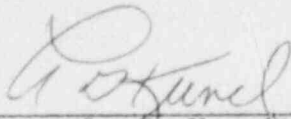
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Attachments

cc: Regional Administrator  
USNRC - Region IV

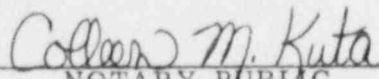
NRC Resident Inspector  
Cooper Nuclear Station

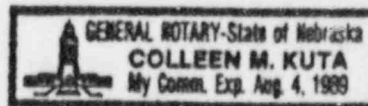
STATE OF NEBRASKA)  
  )ss  
PLATTE COUNTY                    )

L. G. Kuncel, being first duly sworn, deposes and says that he is an authorized representative of the Nebraska Public Power District, a public corporation and political subdivision of the State of Nebraska; that he is duly authorized to submit this response on behalf of Nebraska Public Power District; and that the statements contained herein are true to the best of his knowledge and belief.

  
\_\_\_\_\_  
L. G. Kuncel

Subscribed in my presence and sworn to before me this 20th day of  
July, 1988.

  
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NOTARY PUBLIC



Safety-Related Fastener Suppliers/Manufacturers

A & G Engineering  
4640 E. Lapalma Avenue  
Anaheim, California 92806

Allis-Chalmers Corporation  
P.O. Box M93  
York, Pennsylvania 17404

Anchor Darling Valve  
701 First Street  
Williamsport, Pennsylvania 17701

B-Line Systems, Inc.  
509 W. Monroe Street  
Highland, Illinois 62249

C-E Power Systems  
911 W. Main Street  
Chattanooga, Tennessee 37402

Capital Mfr. (Midco Supply Company)  
7530 "L" Street  
Omaha, Nebraska 68127

Cardinal Ind. Products Corporation  
3873 W. Oquendo  
Las Vegas, Nevada 89118

Carver Pump Company  
1056 Hershey Avenue  
Muscatine, Iowa 52761

Chase Metal Services  
Cleveland, Ohio 44106

Chicago Bridge & Iron (CBI)  
322 S. Michigan Avenue  
Chicago, Illinois 60604

Chicago Tube & Iron  
2531 West 48 Street  
Chicago, Illinois 60632

Columbia Specialty Company, Inc.  
16209 Minnesota Avenue  
Paramount, California

Drillco Devices Limited  
10-05 35th Avenue  
Long Island City, New York 11106

Dubose Steel  
P.O. Box 1098  
Roseboro, North Carolina 28382

Energy Steel and Supply Company  
1681 W. Hamlin Road  
Rochester, Michigan 48063-5207

General Electric  
11422 Miracle Hill Drive, Suite 304  
Omaha, Nebraska 68154

Great Plains Industrial Supply  
P.O. Box 37508, 14540 Grover Street  
Omaha, Nebraska 68137

Guyon Alloys, Inc.  
P.O. Box 42345, 3400 Rogerdale Road  
Houston, Texas 70042

Guyon Alloys, Inc.  
950 S. Fourth Street  
Harrison, New Jersey 07209

Hub, Inc. (Energy & Process Division)  
2146 Flintstone Drive  
Tucker, Georgia 30084

Huck Manufacturing Company  
3001 Imperial Drive, P.O. Box 8117  
Waco, Texas 76714-8117

ITT Phillips Drill Division  
P.O. Box 364  
Michigan City, Indiana 46360

J. T. Ryerson & Sons  
P.O. Box 8000, 2558 West 16 Street  
Chicago, Illinois 60680

Limitorque Corporation  
P.O. Box 11318, 5114 Woodell Road  
Lynchburg, Virginia 24506

Marshall Corporation  
9674 Telstar Avenue  
El Monte, California 91731

Meridith Corporation, Pressure Vessel  
460 Hillside Avenue  
Hillside, New Jersey 07205-1187

Midco Pipe & Tube  
P.O. Box 937, 11500 Irving Park Road  
Bensenville, Illinois 60106



NOVA Machine Products Corporation  
P.O. Box 30287  
Middleburg Heights, Ohio 44130

NPS Industries  
10420 Metric Boulevard  
Austin, Texas 78758

Southern Bolt & Fastener Corporation  
310 Montgomery Street  
Shreveport, Louisiana 71107

Southwest Engineering Company  
P.O. Box 8226  
Prairie Village, Kansas 66208

Standard Environmental Products Company  
P.O. Box 866  
Cherry Hill, New Jersey 08003

Target Rock Corporation  
1966 East Broadhallow Road  
East Farmingdale, New York 11735

Texas Bolt Company  
Box 1211, 3233 West 11 Street  
Houston, Texas 77001

Tioga Pipe Supply  
2450 Wheatsheaf Lane, P.O. Box 5997  
Philadelphia, Pennsylvania 19137

TRW-Nelson Division  
East 28 Street & Toledo Avenue  
Lorain, Ohio 44055

Union Carbide Corporation  
P.O. Box 94617  
Cleveland, Ohio 44101

Unistrut  
2501 Taylor Street  
Omaha, Nebraska 68111

Unistrut  
35005 Michigan Avenue W.  
Wayne, Michigan 48184

Safety-Related Fasteners Supplied By or Through Subtier  
Suppliers/Distributors Identified Through Partial Review of F.O.'s and  
Certifications

A-L-L Equipment Company, Inc.  
1520 Third Avenue, P.O. Box 909  
Moline, Illinois

Bethlehem Steel Corporation  
Industrial Fastener Division  
Lebanon Plant - Metallurgical Department

Borg-Warner Company  
695 Church Street  
Elgin, Illinois 60123

Byron Jackson Pump Division  
Interstate 90 & Route 31  
Elgin, Illinois 60123

Centaur Sales & Services  
3951 "J" Street  
Omaha, Nebraska 68127

Chase Metal Services  
Cleveland, Ohio 44106

Cooper Energy Services  
P.O. Box 470383  
Mount Vernon, Ohio 43050

Decker Manufacturing Corporation  
703 N. Clark Street  
Albion, Michigan 49224

Electric Fixture & Supply Company  
P.O. Box 898, 1006 N. 20 Street  
Omaha, Nebraska 68101

Enterprise Electric Company  
1600 23rd Street  
Columbus, Nebraska 68601

Exide, Inc.  
National Parts Center  
9423 "I" Street  
Omaha, Nebraska 68127

General Fasteners Company  
11820 Globe Road  
Livonia, Michigan 48150-1180



Guyon Alloys, Inc.  
5310 East 31 Street, City Plaza West Suite 705  
Tulsa, Oklahoma 74135

Infasco  
700 Ouellette, Marieville  
Quebec, Canada J0L1J0

Kilbourn Engineering Company  
9226 West Flagg Avenue  
Milwaukee, Wisconsin 53225

Lake Erie Screw Corporation  
13001 Anthens Avenue  
Cleveland, Ohio 44107

Miller Mechanical Specialities  
P.O. Box 1613, 1479 KEO Way  
Des Moines, Iowa 50306

NOVA Machine Products Corporation  
2919 Wildwood Avenue  
Jackson, Michigan 49202-3936

Porter Trustin Carlson Company  
2501 Taylor Street  
Omaha, Nebraska 68111

Precision Nuclear Products, Inc.  
2105 Donley Drive, Suite 104  
Austin, Texas 78758

Terry Corporation, Division of Ingersoll Rand  
P.O. Box 555, Lambertson Road  
Windsor, Connecticut 06095

Non-Safety-Related Fastener Suppliers/Manufacturers

A C & S Insulation  
4229 La Fayette Avenue  
Omaha, Nebraska 68131

Amfac Industrial Supply Company  
8913 H Street  
Omaha, Nebraska 68127

Aurora Pump  
200 N. Puente Drive  
City of Industry, California 91746

Aurora Pump, c/o Deco Engineering  
2204 Burt Street  
Omaha, Nebraska 68102

Beall Construction Company  
P.O. Box 6125, 3710 South 37 Street  
Lincoln, Nebraska 68508

Bergen Patterson  
3519 N. Martens Street  
Franklin Park, Illinois 60131

Bingham Willamette Company  
2800 N.W. Front Avenue  
Portland, Oregon 97210

Cardinal Industrial Products  
3873 W. Oquend  
Las Vegas, Nevada 89118

Cullum and Brown of Kansas City  
1200 Burlington  
North Kansas City, Missouri 64116

Curtin Matheson Scientific Company  
P.O. Box 33450, 6111 Deramus Road  
Kansas City, Missouri 64120

Delaval Turbine and Compressor Division  
853 Nottingham Way, P.O. Box 8788  
Trenton, New Jersey 08638

Dynmac Corporation  
2210 West 75  
Prairie Village, Kansas 66208

Eberline Instrument Corporation  
P.O. Box 2108  
Santa Fe, New Mexico 87504

ESCCO, Inc.  
11003 "I" Street  
Omaha, Nebraska 68137

Fuchs Machinery & Supply  
2401 North 11 Street  
Omaha, Nebraska 68110

Garner Water Division  
2720 U.S. Highway 22  
Union, New Jersey 07083

General Electric Company  
1015 Locust Street  
St. Louis, Missouri 63101

Goulds Pumps, Inc.  
1310 East 104th, Suite  
Kansas City, Missouri 64131-4423

Gray Tool Company  
1728 Old Spanish Trail, P.O. Box 2291  
Houston, Texas 77001

Graybar Electric Company  
4360 South 90 Street  
Omaha, Nebraska 68127

Great Plains Ind. Supply  
14540 Grover Street  
Omaha, Nebraska 68137

Guyon Alloys, Inc.  
5310 East 31 Street, Suite 616  
Tulsa, Oklahoma 74135

Hardware Hank  
Auburn, Nebraska 68305

Henningsen Construction, Inc.  
1407 Southwest Seventh Street, P.O. Box 407  
Atlantic, Iowa 50022

Hutcheson Engineering Prod., Inc.  
2608 Harney Street  
Omaha, Nebraska 68131

IMO Delaval  
10200 E. Girard Avenue, Suite 307A  
Denver, Colorado 80231

Impell  
333 Research Ct., Technology Park  
Norcross, Georgia 30092

Independent Roofing Company  
901 South 40 Street  
Omaha, Nebraska 68105

Ion Track Instrument, Inc.  
109 Terrace Hall Avenue  
Burlington, Massachusetts 50039

ITT Grinnel Corporation  
4118 South 70 East Avenue  
Tulsa, Oklahoma 74145

J.J. Fasteners  
P.O. Box 3348  
Portsmouth, Virginia 23701

Lawson Products  
622 Central Avenue  
Auburn, Nebraska 68305

Lovejoy Controls Corporation  
1301 Sentry Drive  
Waukesha, Wisconsin 53186

M.W. Anderson Construction Company  
622 South Street, P.O. Box 2525  
Lincoln, Nebraska 68502

McMaster-Carr Supply Company  
P.O. Box 4355  
Chicago, Illinois 60680-4355

Mead Lumber  
1320 20th Street  
Auburn, Nebraska 68305

Midco Supply Company  
7530 L Street  
Omaha, Nebraska 68127

Miller Mechanical Specialties  
P.O. Box 1613, 1479 KEO Way  
Des Moines, Iowa 50306

Nelson Stud Welding, Division of TRW  
8600 West 95 Street  
Overland Park, Kansas 66212

North American Steel Company  
P.O. Box 7066  
Cleveland, Ohio 44128

North Brothers Insulation  
2815 N 22nd Street E.  
Omaha, Nebraska 68110

Nuts & Bolts, Inc.  
2221 Niagara Falls Boulevard, P.O. Box 1032  
Niagara Falls, New York 14302

Oakview Construction Company  
Parkwest, P.O. Box 450  
Red Oak, Iowa 51566

Olson Construction Company  
P.O. Box 82249  
Lincoln, Nebraska 68501

Omaha Bolt Nut & Screw Company  
1316 Jones Street  
Omaha, Nebraska 68102

OMNI Construction Company, Inc.  
P.O. Box 2343  
Grand Island, Nebraska 68802

Precision Bearing Company  
2252 Curtiss Street  
Downers Grove, Illinois 60515

Ronan Engineering Company  
21200 Oxnard Street  
Woodand Hills, California 91367

Scanray Corporation  
1526 West 240 Street  
Harber City, California 90710

Service Supply  
8103 "H" Street  
Omaha, Nebraska 68127

Shanahan Crane and Hoist  
4334 Bridgeton Industrial Drive  
Bridgeton, Missouri 63044

Singer Company  
Link Simulation Systems Division  
Industrial Products Center  
8895 McGaw Road  
Columbia, Maryland 21045

Special-T-Metal Company, Inc.  
P.O. Box 14810, 14740 W. 101 Terrace  
Lenexa, Kansas 66215

Stewart Systems, Inc.  
P.O. Box 3040  
Plano, Texas 75074

Texas Bolt Company  
P.O. Box 1211, 3233 West 11 Street  
Houston, Texas 77001

Westinghouse Electric Corporation  
7100 West Center Road  
Omaha, Nebraska 68106

Whelen Engineering Company  
Route 145, Winthrop Road  
Chester, Connecticut 06412