

EXPORT LICENSE

NRC FORM 250
(10-07)

UNITED STATES OF AMERICA

Nuclear Regulatory Commission
Washington, D.C. 20555

NRC LICENSE NO.: XR172
Amendment No. 03

Page 1 of 10

NRC DOCKET NO.: 11006015

LICENSE EXPIRES July 23, 2015

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE

Curtiss-Wright Electro-Mechanical Corporation
1000 Wright Way
Cheswick, PA 15024

Attn: Raymond Wojszynski

ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)

See Page 2

(For use in the four Westinghouse AP-1000 Nuclear Power Plants at the Sanmen and Haiyang sites, and the primary coolant pump testing facility at the Shenyang site)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)

See Pages 2-5

(Various functions and services)

OTHER U.S. PARTY(IES) TO EXPORT

See Pages 6-10

(Various functions and services)

APPLICANT'S REFERENCE NO.: U597-3

ULTIMATE DESTINATION: China

QUANTITY

DESCRIPTION OF MATERIALS OR FACILITIES


The licensee will export and oversee exports by the other parties of various NRC-controlled primary reactor coolant pump-related commodities, which the licensee will use to manufacture complete primary coolant pump systems, related equipment and spare parts for installation at ultimate consignee facilities.

XR172, Amendment No. 03 Continued on Pages 2-10

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended, and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE

SIGNATURE: 

NAME AND TITLE: Stephen Dembek, Acting Deputy Director
Office of International Programs

DATE OF ISSUANCE: June 22, 2012

ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

1. **Sanmen Nuclear Power Plant
Sanmen County
Zhejiang Province, 314300
China**

(For installation in the two Westinghouse AP-1000 Units at the Sanmen Nuclear Power Plant.)

2. **Haiyang Nuclear Power Plant
Haiyang County
Shandong Province, 265116
China**

(For installation in the two Westinghouse AP-1000 Units at the Haiyang Nuclear Power Plant.)

3. **Shenyang Blower Works Group Company Ltd. Parent Co.
No. 16A Kaifa Boulevard
Shenyang Economic and Technological Development Area
Shenyang, 110869
China**

**Shenyang Blower Works Group Nuclear Pump company Ltd. Subsidiary Co.
No. 16A Kaifa Boulevard
Shenyang Economic and Technological Development Area
Shenyang, 110869
China**

(One primary coolant pump casing will be used as a permanent part of the AP-1000 primary reactor coolant pump testing facility.)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

1. **AT&M Refractory Metals and Ceramics Branch
(Advanced Technology and Materials Company)
Zone C No 10 Yong Cheng North Road, Zhongguancun
Yongfeng Industrial Base
Haidian District
Beijing, 100081
China**

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

2. **Curtiss-Wright Flow Control Company**
Farris Engineering, Farris (Tianjin) Valve Company Ltd.
No. 21 Xinyuan Road
Wuqing Development Area
Tianjin, 301700
China

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

3. **SBW Electro-Mechanics Import and Export Corporation**
No. 16A Kaifa Boulevard
Shenyang Economic and Technological Development Area
Shenyang, 110869
China

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

4. **Shenyang Blower Works Group Company Ltd.** **Parent Co.**
No. 16A Kaifa Boulevard
Shenyang Economic and Technological Development Area
Shenyang, 110869
China

Shenyang Blower Works Group Nuclear Pump Company Ltd. **Subsidiary Co.**
No. 16A Kaifa Boulevard
Shenyang Economic and Technological Development Area
Shenyang, 110869
China

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps. One primary coolant pump or major sub-assemblies of a pump may be exported for temporary use at this AP-1000 testing facility.)

5. **Harbin Electric Machinery Company, Ltd.**
No. 99, San Da Dong Li Road
Xian Fang District
Harbin, Heilongjiang Province
150040 China

Harbin Electric Power Equipment Company, Ltd.
No. 8 Nancheng Second Road
Pingfang District
Harbin, Heilongjiang Province
150060 China

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

**Harbin Electric Power Equipment Company, Ltd. (Second location)
No. 99 San Da Dong Li Road
Xiang Fang District
Harbin, Heilongjiang Province
150040 China**

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

- 6. Shanghai Electrical Nuclear Power Equipment Company Ltd.
No. 250, Huaning Road
Minghang District
Shanghai, 200245
China**

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

- 7. Harbin Aircraft Industry Group Company Independent Co.
No. 15, Youxie Street
Pingfang District
Harbin Heilongjiang
China**

(For manufacturing finished parts, components, sub-assemblies and assemblies which will be sent to Curtiss-Wright in the U.S. or to the ultimate consignees for incorporation into the primary coolant pumps.)

- 8. Harbin Boiler Company, Ltd. Independent Co.
No. 309, San Da Dong Li Road
Xian Fang District
Harbin
China**

(To provide heat treat, destructive and non-destructive testing and metallographic services.)

- 9. Harbin Power Plant Equipment Corp. (QHD) Independent Co.
Heavy Equipment Co., Ltd.
No. 5, Dong Li Road
Economic and Technical Development Zone
Qinhuangdao
China**

(To perform rolling of plate material to form certain pump parts.)

INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES): (Cont'd)

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|------------|--|------------------------|
| 10. | Harbin Yinguang Electroplate Company, Ltd.
Zhenxing Industrial Area
Hada County
Xuefu Road, Nangang District
Harbin, Heilongjiang Province
150086 China | Independent Co. |
| | (To perform electro plating services.) | |
| 11. | Dalian Uchibayashi Precision Electroplate Co., Ltd.
No. 77, Harbour Industrial District of Economic and
Technology Development Zone
Dalian
China | Independent Co. |
| | (To perform electro plating services.) | |
| 12. | Shinagawa Precision Electroplate (Dalian) Co., Ltd.
No. 22, Harbour Industrial District of Economic and
Technology Development Zone
Dalian
China | Independent Co. |
| | (To perform electro plating services.) | |

OTHER PARTY(IES) TO EXPORT: (Cont'd)

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|-----|---|-----|--|
| 1. | AERO INDUSTRIES OF THE SPACE COAST INC
9220 BOGGY CREEK ROAD, SUITE 121
ORLANDO, FL 32824

(Materials, parts or sub assemblies) | 11. | CONSOLIDATED POWER SUPPLY
3556 MARY TAYLOR ROAD
BIRMINGHAM, AL 35235

(Materials, parts or sub assemblies) |
| 2. | ARCOS INDUSTRIES LLC
ONE ARCOS DRIVE
MT CARMEL, PA 17851

(Materials, parts, or sub assemblies) | 12. | CONTROL COMPONENTS INC
22591 AVENIDA EMPRESA
RANCHO SANTA MARGARITA, CA 92688

(Pump test facility materials, components,
or instruments) |
| 3. | ASSOCIATED CERAMICS AND TECHNOLOGY INC
400 NORTH PIKE ROAD
SARVER, PA 16055

(Materials, parts or sub assemblies) | 13. | CORRY FORGE
441 EAST MAIN STREET
CORRY, PA 16047

(Materials, parts or sub assemblies) |
| 4. | AT & F NUCLEAR INC
12314 ELMWOOD AVENUE
CLEVELAND, OH 44111

(Material processing) | 14. | CORUS AMERICA INC
475 N MARTINGALE ROAD
SCHAUMBURG, IL 60173

(Materials, parts or sub assemblies) |
| 5. | ATI FIRTH STERLING
1297 COUNTY LINE ROAD
MADISON, AL 35756

(Materials, parts or sub assemblies) | 15. | COULTER FORGE TECHNOLOGY
1494 67 TH STREET
EMERYVILLE, CA 94662

(Materials, parts or sub assemblies) |
| 6. | ATI POWDER METALS
1001 ROBB HILL ROAD
OAKDALE, PA 15071

(Material processing) | 16. | CRANE ENVIRONMENTAL INC
2650 EISENHOWER AVENUE
TROOPER, PA 19403

(Pump test facility materials, components,
or instruments) |
| 7. | BENDTEC INC
366 GARFIELD AVENUE
DULUTH, MN 55802

(Pump test facility materials, components or instruments) | 17. | CURBELL INDUSTRIAL PLASTICS
250 WEST KENSINGER DRIVE
CRANBERRY, PA 16066

(Materials, parts or sub assemblies) |
| 8. | BRINKMAN TOOL & DIE INC
325 KISER STREET
DAYTON, OH 45404

(Special assembly tools) | 18. | CUSTOM MATERIALS INC
16865 PARK CIRCLE DRIVE
CHAGRIN FALLS, OH 44022

(Materials, parts or sub assemblies) |
| 9. | CCI THERMAL TECHNOLOGIES
1420 WEST MAIN STREET
GREENSBURG, IN 47420

(Pump test facility materials, components or instruments) | 19. | DUBOSE NATIONAL ENERGY
900 INDUSTRIAL DRIVE
CLINTON, NC 28328

(Materials, parts or sub assemblies) |
| 10. | CONAX BUFFALO TECHNOLOGIES
2300 WALDEN AVENUE
BUFFALO, NY 14225

(Materials, parts or sub assemblies) | 20. | EDGAR INDUSTRIES
931 MERWIN ROAD
NEW KENSINGTON, PA 15068

(Special assembly tools) |

OTHER PARTY(IES) TO EXPORT: (Cont'd)

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|-----|--|-----|---|
| 21. | EIS
13311 ENTERPRISE AVENUE
CLEVELAND, OH 44135

(Materials, parts or sub assemblies) | 31. | GENERAL NUCLEAR CORPORATION
3519 WHEELER ST., PO BOX 400
NEW STANTON, PA 15672

(Material processing) |
| 22. | ELECTRIC MATERIALS CO
50 S WASHINGTON STREET
NORTH EAST, PA 16428

(Materials, parts or sub assemblies) | 32. | GEROME TECHNOLOGIES INC
57-85 BROADWAY
MENANDS, NY 12204

(Materials, parts or sub assemblies) |
| 23. | ELECTROLOCK INC
17930 GREAT LAKES PARKWAY
HIRAM, OH 44234

(Materials, parts or sub assemblies) | 33. | GRAHAM CORPORATION
20 FLORENCE AVENUE
BATAVIA, NY 14020

(Pump test facility materials, components,
or instruments) |
| 24. | EMR INC
3892 PLATT SPRINGS ROAD
WEST COLUMBIA, SC 29169

(Materials, parts or sub assemblies) | 34. | HAYNES INTERNATIONAL INCORPORATED
1020 W PARK AVENUE
KOKOMO, IN 46901

(Materials, parts or sub assemblies) |
| 25. | EVERSON TESLA INC
615 DANIELS ROAD
NAZARETH, PA 18064

(Materials, parts or sub assemblies) | 35. | HAYWARD TYLER INC
480 ROOSEVELT HIGHWAY
COLCHESTER, VT 05446

(Pump test facility materials, components,
or instruments) |
| 26. | F B WRIGHT CO
98 VANADIUM ROAD
BRIDGEVILLE, PA 15017

(Materials, parts or sub assemblies) | 36. | HERR-VOSS STAMCO
130 MAIN STREET
CALLERY, PA 16024

(Precision shear equipment) |
| 27. | FASTENERS UNLIMITED
2150 WOODLAND ROAD
WARRENDALE, PA 15086

(Materials, parts or sub assemblies) | 37. | HOLAN INC
1048 SANDY HILL ROAD
IRWIN, PA 15642

(Materials, parts or sub assemblies) |
| 28. | FLEXITALLIC INC
6915 HIGHWAY 225
DEER PARK, TX 77536

(Materials, parts or sub assemblies) | 38. | HOLTEC INTERNATIONAL
555 LINCOLN DRIVE WEST
MARLTON, NJ 08053

(Materials, parts or sub assemblies) |
| 29. | FLUIDIC TECHNIQUES DIVISION OF FTI
1213 ANTLERS DRIVE
MANSFIELD, TX 76063

(Pump test facility materials, components or instruments) | 39. | IMPREX INC
3260 SOUTH 108 TH STREET
MILWAUKEE, WI 53227

(Electrical insulation facility) |
| 30. | F-SQUARED INC
319 FOURTH AVENUE
TARENTUM, PA 15084

(Expanding mandrel tool) | 40. | INSULATOR SEAL
6460 PARKLAND DRIVE
SARASOTA, FL 34243

(Materials, parts or sub assemblies) |

OTHER PARTY(IES) TO EXPORT: (Cont'd)

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|-----|--|-----|---|
| 41. | J A DESIGN INC
2438 ROUTE 819
GREENSBURG, PA 15601

(Special assembly tools) | 51. | MINCO PRODUCTS INC
7300 COMMERCE LANE
MINNEAPOLIS, MN 55432

(Materials, parts or sub assemblies) |
| 42. | JERSEY CHROME PLATING
144 46 th STREET
PITTSBURGH, PA 15201

(Material processing) | 52. | MORGAN ADVANCED MATERIALS &
TECHNOLOGY
441 HALL AVENUE
ST MARY'S, PA 15857

(Materials, parts or sub assemblies) |
| 43. | JJMA MARINE & INDUSTRIAL ENGINEERING
1789 SOUTH BRADDOCK AVENUE
PITTSBURGH, PA 15218

(Special assembly tools) | 53. | MPC INDUSTRIES
2150 MCGAW AVENUE
IRVINE, CA 92614

(Material processing) |
| 44. | JORGENSEN FORGE CORPORATION
8531 E MARGINAL WAY SOUTH
SEATTLE, WA 98108

(Materials, parts or sub assemblies) | 54. | NOVA MACHINE PRODUCTS CO
18001 SHELDON ROAD
MIDDLEBURG HEIGHTS, OH 44130

(Materials, parts or sub assemblies) |
| 45. | KAIER ENGINEERING INC
106 COMMERCE BOULEVARD
LAWRENCE, PA 15055

(Special assembly tools) | 55. | NUCLEAR ALLOYS CORPORATION
4643 IDE ROAD
WILSON, NY 14172

(Materials, parts or sub assemblies) |
| 46. | KEYSTONE RUSTPROOFING
1901 DR THOMAS BOULEVARD
ARNOLD, PA 15068

(Material processing) | 56. | PCC STRUCTURALS, INC.
4600 S.E. HARNEY DRIVE
PORTLAND, OR 97206

(Materials, parts or sub assemblies) |
| 47. | KINGSBURY INCORPORATED
10385 DRUMMOND ROAD
PHILADELPHIA, PA 19154

(Materials, parts or sub assemblies) | 57. | PENN STATE TOOL & DIE CORPORATION
260 WESTEC DRIVE
MT PLEASANT, PA 15666

(Materials, parts or sub assemblies) |
| 48. | LANCO ELECTRIC INC
300 CANAL STREET
LEECHBURG, PA 15656

(Pump test facility materials, components or instruments) | 58. | PITTSBURGH METAL PROCESSING
1850 CHAPMAN STREET, P.O. BOX 7824
PITTSBURGH, PA 15215

(Material Processing) |
| 49. | METALTEK INTERNATIONAL
905 E ST PAUL AVENUE
WAUKESHA, WI 53188

(Materials, parts or sub assemblies) | 59. | PRL INDUSTRIES
64 REXMONT ROAD
CORNWALL, PA 17016

(Materials, parts or sub assemblies) |
| 50. | METPLAS
HIGHLANDS INDUSTRIAL PARK
THREE ACEE DRIVE
NATRONA HEIGHTS, PA 15065

(Material Processing) | 60. | R L HOLLIDAY
525 MCNEILLY ROAD
PITTSBURGH, PA 15226

(Non destructive test equipment) |

OTHER PARTY(IES) TO EXPORT: (Cont'd)

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|-----|--|-----|---|
| 61. | RIVERHAWK COMPANY
215 CLINTON ROAD
NEW HARTFORD, NY 13413

(Special assembly tools) | 71. | TRUST MANUFACTURING, LLC
20080 SAINT CLAIR AVENUE
CLEVELAND, OH 44117

(Materials, parts or sub assemblies) |
| 62. | SCOT FORGE
8001 WINN ROAD
SPRING GROVE, IL 60081

(Materials, parts or sub assemblies) | 72. | TURBOCAM
607 CALEF HIGHWAY
BARRINGTON, NH 03825

(Material processing) |
| 63. | SKOVIRA MACHINE COMPANY
146 CATALINA FARM ROAD
SCOTTDALE, PA 15683

(Materials, parts or sub assemblies) | 73. | TW METALS NUCLEAR MATERIALS SOLUTIONS
800 BRICKWORKS DRIVE
LEETSDALE, PA 15056

(Materials, parts or sub assemblies) |
| 64. | SPERANZA SPECIALTY MACHINING
2226 BOYD ROAD, R.D. NO. 4
EXPORT, PA 15632

(Special assembly tools) | 74. | ULTRA ELECTRONICS NUCLEAR SENSORS
AND PROCESS INSTRUMENTATION
707 JEFFREY WAY
ROUND ROCK, TX 78664

(Materials, parts or sub assemblies) |
| 65. | STARWIN INDUSTRIES
3387 WOODMAN DRIVE
DAYTON, OH 45429

(Materials, parts or sub assemblies) | 75. | VON ROLL USA INC
4853 W 130 th STREET
CLEVELAND, OH 44135

(Materials, parts or sub assemblies) |
| 66. | STEEL INDUSTRIES, INC
12600 BEECH DALY ROAD
REDFORD TWP, MI 48239

(Materials, parts or sub assemblies) | 76. | WALDEMAR DESIGN AND MACHINE
1797 MATHERLY ROAD
LIBERTY, KY 42539

(Can fabrication equipment) |
| 67. | TIOGA PIPE SUPPLY CO INC
2450 WHEATSHEAF LANE
PHILADELPHIA, PA 19137

(Materials, parts or sub assemblies) | 77. | WALTER LONG MANUFACTURING
86 WALTER LONG ROAD
FINLEYVILLE, PA 15332

(Material processing) |
| 68. | TRACTION MOTOR SERVICE
9933 BROADWAY AVENUE
IRWIN, PA 15642

(Materials, parts or sub assemblies) | 78. | WELDALOY PRODUCTS COMPANY
11551 STEPHENS DRIVE
WARREN, MI 48090

(Materials, parts or sub assemblies) |
| 69. | TRITON MANUFACTURING COMPANY
5700 TRITON WAY
MONEE, IL 60449

(Materials, parts or sub assemblies) | 79. | WEST PENN LACO INC
331 OHIO STREET
PITTSBURGH, PA 15208

(Special assembly tools) |
| 70. | TRUE POSITION INC
3919 CHESSROWN AVENUE
GIBSONIA, PA 15044

(Materials, parts or sub assemblies) | 80. | WILLIAMS WELDING ALLOYS
1501 REEDSDALE STREET
PITTSBURGH, PA 15233

(Materials, parts or sub assemblies) |

