

**EXPORT LICENSE**

NRC FORM 250  
(10-07)

**UNITED STATES OF AMERICA**

Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC LICENSE NO.: XR172  
Amendment No. 01

Page 1 of 9

NRC DOCKET NO.: 11005752

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.

<p align="center">LICENSEE</p> <p><b>Curtiss-Wright Electro-Mechanical Corporation</b> 1000 Wright Way Cheswick, PA 15024</p> <p>Attn: Raymond Wojszynski</p>	<p align="center">ULTIMATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">See Page 2</p> <p>(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.)</p>
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<p align="center">INTERMEDIATE CONSIGNEE(S) IN FOREIGN COUNTRY(IES)</p> <p align="center">See Pages 2-5</p> <p>(Various functions and services)</p>	<p align="center">OTHER PARTY(IES) TO EXPORT</p> <p align="center">See Pages 6-9</p> <p>(Various functions and services)</p>
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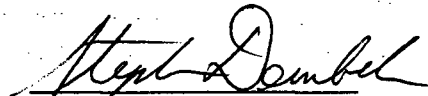
<p>APPLICANT'S REFERENCE NO.: U597-1 Dtd. 04/08/2009 and Supplement Dtd. 04/15/2009</p>	<p>ULTIMATE DESTINATION: People's Republic of China</p>
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<p align="center">QUANTITY</p> <p>////</p>	<p align="center">DESCRIPTION OF MATERIALS OR FACILITIES</p> <p>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.</p> <p align="right">XR172, Amendment No. 01 Continued on Pages 2-9</p> <p align="center">//////END//////</p>
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Neither this license or 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:   
Stephen Dembek, Acting Deputy Director  
Office of International Programs

DATE OF ISSUANCE: May 22, 2009

**EXPORT LICENSE**

**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)  
No. 16, Kaifa Road  
Economic and Technology Zone  
Shenyang, 110142  
China**

**Parent Co.**

**Shenyang Turbo-Machinery Corporation  
No. 16, Kaifa Road  
Economic and Technology Zone  
Shenyang, 110142  
China**

**Subsidiary Co.**

**(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. **SBW Electro-Mechanics Import and Export Corporation  
No. 16, Development Boulevard  
Economic and Technical Development Zone  
Shenyang, 110142  
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. **Shenyang Blower Works (Group)** **Parent Co.**  
No. 16, Kaifa Road  
Economic and Technology Zone  
Shenyang, 110142  
China

**Shenyang Turbo-Machinery Corporation** **Subsidiary Co.**  
No. 16, Kaifa Road  
Economic and Technology Zone  
Shenyang, 110142  
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.)

3. **Harbin Electric Machinery Company, Limited** **Parent Co.**  
No. 99, San Da Dong Li Road  
Xiang Fang District  
Harbin, 150040  
China

**Harbin Electric Machinery AC/DC Motor Company, Ltd.** **Subsidiary Co.**  
No. 99, San Da Dong Li Road  
Xiang Fang District  
Harbin, 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.)

4. **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.)

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

5. 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.)

6. 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.)

7. 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.)

8. Harbin Yinguang Electroplate Company, Ltd. Independent Co.  
No. 5, Floor 1, B3 Tower  
Donglaixiangtai Garden  
Daowai District  
Harbin  
China

(To perform electro plating services.)

9. Dalian Uchibayashi Precision Electroplate Co., Ltd. Independent Co.  
No. 77, Harbour Industrial District of Economic and  
Technology Development Zone  
Dalian  
China

(To perform electro plating services.)

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

10. **Shinagawa Precision Electroplate (Dalian) Co., Ltd. Independent Co.**  
**No. 22, Harbour Industrial District of Economic and**  
**Technology Development Zone**  
**Dalian**  
**China**  
  
**(To perform electro plating services.)**

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

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| 1.  | <b>AERO INDUSTRIES OF THE SPACE COAST INC<br/>7065 CHALLENGER AVENUE<br/>TITUSVILLE, FL 32783</b> | 11. | <b>CORUS AMERICA INC<br/>475 N MARTINGALE ROAD<br/>SCHAUMBURG, IL 60173</b>              |
|     | (Materials, parts or sub assemblies)  |     | (Materials, parts or sub assemblies)   |
| 2.  | <b>ARCOS INDUSTRIES LLC<br/>ONE ARCOS DRIVE<br/>MT CARMEL, PA 17851</b>                           | 12. | <b>COULTER FORGE TECHNOLOGY<br/>1494 67<sup>TH</sup> STREET<br/>EMERYVILLE, CA 94662</b> |
|     | (Materials, parts, or sub assemblies)   |     | (Materials, parts or sub assemblies)   |
| 3.  | <b>ASSOCIATED CERAMICS AND TECHNOLOGY INC<br/>400 NORTH PIKE ROAD<br/>SARVER, PA 16055</b>        | 13. | <b>CRANE ENVIRONMENTAL INC<br/>2650 EISENHOUR AVENUE<br/>TROOPER, PA 19403</b>           |
|     | (Materials, parts or sub assemblies)  |     | (Pump test facility materials, components, or instruments)                               |
| 4.  | <b>ATI FIRTH STERLING<br/>1297 COUNTY LINE ROAD<br/>MADISON, AL 35756</b>                         | 14. | <b>CRUCIBLE COMPACTION METALS<br/>1001 ROBB HILL ROAD<br/>OAKDALE, PA 15071</b>          |
|     | (Materials, parts or sub assemblies)  |     | (Material processing)  |
| 5.  | <b>BENDTEC INC<br/>366 GARFIELD AVENUE<br/>DULUTH, MN 55802</b>                                   | 15. | <b>CURBELL INDUSTRIAL PLASTICS<br/>250 WEST KENSINGER DRIVE<br/>CRANBERRY, PA 16066</b>  |
|     | (Pump test facility materials, components or instruments)   |     | (Materials, parts or sub assemblies)   |
| 6.  | <b>BRINKMAN TOOL &amp; DIE INC<br/>325 KISER STREET<br/>DAYTON, OH 45404</b>                      | 16. | <b>CUSTOM MATEIALS INC<br/>16865 PARK CIRCLE DRIVE<br/>CHAGRIN FALLS, OH 44022</b>       |
|     | (Special assembly tools)  |     | (Materials, parts or sub assemblies)   |
| 7.  | <b>CCI THERMAL TECHNOLOGIES<br/>1420 WEST MAIN STREET<br/>GREENSBURG, IN 47420</b>                | 17. | <b>DUBOSE NATIONAL ENERGY<br/>900 INDUSTRIAL DRIVE<br/>CLINTON, NC 28328</b>             |
|     | (Pump test facility materials, components or instruments)   |     | (Materials, parts or sub assemblies)   |
| 8.  | <b>CONSOLIDATED POWER SUPPLY<br/>3556 MARY TAYLOR ROAD<br/>BIRMINGHAM, AL 35235</b>               | 18. | <b>EDGAR INDUSTRIES<br/>931 MERWIN ROAD<br/>NEW KENSINGTON, PA 15068</b>                 |
|     | (Materials, parts or sub assemblies)  |     | (Special assembly tools)   |
| 9.  | <b>CONTROL COMPONENTS INC<br/>22591 AVENIDA EMPRESA<br/>RANCHO SANTA MARGARITA, CA 92688</b>      | 19. | <b>EIS<br/>13311 ENTERPRISE AVENUE<br/>CLEVELAND, OH 44135</b>                           |
|     | (Pump test facility materials, components or instruments)   |     | (Materials, parts or sub assemblies)   |
| 10. | <b>CORRY FORGE<br/>441 EAST MAIN STREET<br/>CORRY, PA 16047</b>                                   | 20. | <b>ELECTRIC MATERIALS CO<br/>50 S WASHINGTON STREET<br/>NORTH EAST, PA 16428</b>         |
|     | (Materials, parts or sub assemblies)  |     | (Materials, parts or sub assemblies)   |

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

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| 21. | ELECTROLOCK INC<br>17930 GREAT LAKES PARKWAY<br>HIRAM, OH 44234<br><br>(Materials, parts or sub assemblies)                                      | 31. | HAYNES INTERNATIONAL INCORPORATED<br>1020 W PARK AVENUE<br>KOKOMO, IN 46901<br><br>(Materials, parts or sub assemblies)           |
| 22. | EMR INC<br>3892 PLATT SPRINGS ROAD<br>WEST COLUMBIA, SC 29169<br><br>(Materials, parts or sub assemblies)  | 32. | HAYWARD TYLER INC<br>480 ROOSEVELT HIGHWAY<br>COLCHESTER, VT<br><br>(Pump test facility materials, components,<br>or instruments) |
| 23. | EVERSON TESLA INC<br>615 DANIELS ROAD<br>NAZARETH, PA 18064<br><br>(Materials, parts or sub assemblies)  | 33. | HERR-VOSS STAMCO<br>130 MAIN STREET<br>CALLERY, PA 16024<br><br>(Precision shear equipment)                                       |
| 24. | F B WRIGHT CO<br>98 VANADIUM ROAD<br>BRIDGEVILLE, PA 15017<br><br>(Materials, parts or sub assemblies)   | 34. | HOLAN INC<br>1048 SANDY HILL ROAD<br>IRWIN, PA 15642<br><br>(Materials, parts or sub assemblies)                                  |
| 25. | FASTENERS UNLIMITED<br>2150 WOODLAND ROAD<br>WARRENDALE, PA 15086<br><br>(Materials, parts or sub assemblies)                                    | 35. | HOLTEC INTERNATIONAL<br>555 LINCOLN DRIVE WEST<br>MARLTON, NJ 08053<br><br>(Materials, parts or sub assemblies)                   |
| 26. | FLEXITALLIC INC<br>6915 HIGHWAY 225<br>DEER PARK, IL 77536<br><br>(Materials, parts or sub assemblies)   | 36. | IMPRES INC<br>3260 SOUTH 108 <sup>TH</sup> STREET<br>MILWAUKEE, WI 53227<br><br>(Electrical insulation facility)                  |
| 27. | FLUIDIC TECHNIQUES DIVISION OF FTI<br>1213 ANTLERS DRIVE<br>MANSFIELD, TX 76063<br><br>(Pump test facility materials, components or instruments) | 37. | INSULATOR SEAL<br>6460 PARKLAND DRIVE<br>SARASOTA, FL 34243<br><br>(Materials, parts or sub assemblies)                           |
| 28. | F-SQUARED INC<br>319 FOURTH AVENUE<br>TARENTUM, PA 15084<br><br>(Expanding mandrel tool)   | 38. | J A DESIGN INC<br>2438 ROUTE 819<br>GREENSBURG, PA 15601<br><br>(Special assembly tools)  |
| 29. | GEROME TECHNOLOGIES INC<br>57-85 BROADWAY<br>MENANDS, NY 12204<br><br>(Materials, parts or sub assemblies)                                       | 39. | JJMA MARINE & INDUSTRIAL ENGINEERING<br>1789 SOUTH BRADDOCK AVENUE<br>PITTSBURGH, PA 15218<br><br>(Special assembly tools)        |
| 30. | GRAHAM CORPORATION<br>20 FLORENCE AVENUE<br>BATAVIA, NY 14020<br><br>(Pump test facility materials, components or instruments)                   | 40. | JORGENSEN FORGE CORPORATION<br>8531 E MARGINAL WAY SOUTH<br>SEATTLE, WA 98108<br><br>(Materials, parts or sub assemblies)         |

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

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| 41. | KAIER ENGINEERING INC<br>106 COMMERCE BOULEVARD<br>LAWRENCE, PA 15055<br><br>(Special assembly tools)                          | 51. | RIVERHAWK COMPANY<br>215 CLINTON ROAD<br>NEW HARTFORD, NY 13413<br><br>(Special assembly tools)                        |
| 42. | KINGSBURY INCORPORATED<br>10385 DRUMMOND ROAD<br>PHILADELPHIA, PA 19154<br><br>(Materials, parts or sub assemblies)            | 52. | SCOT FORGE<br>8001 WINN ROAD<br>SPRING GROVE, IL 60081<br><br>(Materials, parts or sub assemblies)                     |
| 43. | LANCO ELECTRIC INC<br>300 CANAL STREET<br>LEECHBURG, PA 15656<br><br>(Pump test facility materials, components or instruments) | 53. | SKOVIRA TOOL<br>146 CATALINA FARM ROAD<br>SCOTSDALE, PA 15683<br><br>(Materials, parts or sub assemblies)              |
| 44. | METALTEK INTERNATIONAL<br>905 E ST PAUL AVENUE<br>WAUKESHA, WI 53188<br><br>(Materials, parts or sub assemblies)               | 54. | SPERANZA SPECIALTY MACHINING<br>2226 BOYD ROAD, R.D. NO. 4<br>EXPORT, PA 15632<br><br>(Special assembly tools)         |
| 45. | MINCO PRODUCTS INC<br>7300 COMMERCE LANE<br>MINNEAPOLIS, MN 55432<br><br>(Materials, parts or sub assemblies)                  | 55. | STARWIN INDUSTRIES<br>3387 WOODMAN DRIVE<br>DAYTON, OH 45429<br><br>(Materials, parts or sub assemblies)               |
| 46. | NOVA MACHINE PRODUCTS CO<br>18001 SHELDON ROAD<br>MIDDLEBURG HEIGHTS, OH 44130<br><br>(Materials, parts or sub assemblies)     | 56. | TIOGA PIPE SUPPLY CO INC<br>2450 WHEATSHEAF LANE<br>PHILADELPHIA, PA 19137<br><br>(Materials, parts or sub assemblies) |
| 47. | NUCLEAR ALLOYS CORPORATION<br>4643 IDE ROAD<br>WILSON, NY 14172<br><br>(Materials, parts or sub assemblies)                    | 57. | TRACTION MOTOR SERVICE<br>9933 BROADWAY AVENUE<br>IRWIN, PA 15642<br><br>(Materials, parts or sub assemblies)          |
| 48. | PENN STATE TOOL & DIE CORPORATION<br>260 WEST TECH DRIVE<br>MT PLEASANT, PA 15666<br><br>(Materials, parts or sub assemblies)  | 58. | TRITON MANUFACTURING COMPANY<br>5700 TRITON WAY<br>MONEE, IL 60449<br><br>(Materials, parts or sub assemblies)         |
| 49. | PRL INDUSTRIES<br>64 REXMONT ROAD<br>CORNWALL, PA 17016<br><br>(Materials, parts or sub assemblies)                            | 59. | TRUE POSITION INC<br>3919 CHESSBROWN AVENUE<br>GIBSONIA, PA 15044<br><br>(Materials, parts or sub assemblies)          |
| 50. | R L HOLLIDAY<br>525 MCNEILLY ROAD<br>PITTSBURGH, PA 15226<br><br>(Non destructive test equipment)                              | 60. | VON ROLL USA INC<br>200 VON ROLL DRIVE<br>SCHENECTADY, NY 12306<br><br>(Materials, parts or sub assemblies)            |



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

61. WALDEMAR DESIGN AND MACHINE  
1797 MATHERLY ROAD  
LIBERTY, KY 42539

(Can fabrication equipment)

62. WELDALOY PRODUCTS COMPANY  
11551 STEPHENS DRIVE  
WARREN, MI 48090

(Materials, parts or sub assemblies)

63. WEST PENN LACO INC  
331 OHIO STREET  
PITTSBURGH, PA 15208

(Special assembly tools)

64. WILLIAMS WELDING ALLOYS  
1501 REEDSDALE STREET  
PITTSBURGH, PA 15233

(Materials, parts or sub assemblies)

65. WOLLASTON ALLOYS INC  
205 WOOD ROAD  
BRAintree, MA 02184

(Materials, parts or sub assemblies)

**DESCRIPTION OF MATERIALS OR FACILITIES: (Cont'd)**

This license is amended to:

1. Add one "Ultimate Consignee(s) in Foreign Country(ies)" listed on Page 2 of this license as number 3 (subsidiary company) under the appropriate heading.
2. Add two "Intermediate Consignee(s) in Foreign Country(ies)" listed on Page 3 of this license as numbers 2 and 3 (subsidiary companies) under the appropriate heading.
3. Add six "Intermediate Consignee(s) in Foreign Country(ies)" listed on Pages 4 and 5 of this license as numbers 5, 6, 7, 8, 9 and 10 (independent companies) under the appropriate heading.
4. Change licensee's street address.

All other conditions remain the same.

//////////////////////////////////////END//////////////////////////////////////