

Canadian Embassy



Ambassade du Canada

ACC

11002505  
XCOM0529

1746 Massachusetts Ave. N.W.,  
Washington, D.C. 20036

May 15, 1981.

Mr. James Devine,  
Assistant Director for  
Export/Import and International Safeguards,  
U.S. Nuclear Regulatory Commission,  
Washington, D.C. 20555

Dear Sir:

This letter and the attached documents constitute our request for a license to export components, equipment and material required for the construction of, and future maintenance of, two 600 M.W. CANDU-type reactors to be built in the Republic of Romania (Cernavoda 1 and 2). This request covers 44 items sourced in the United States and used in Canada in the manufacture of component parts for the CANDU nuclear reactor system. The total estimated value of these items (for 2 units) is \$24 million. In compiling the list of components, equipment and materials for this application we have included, for your convenience, the name and address of the United States companies who have traditionally supplied these items.

The items included in this application will be consigned to various components manufacturers in Canada from whom Atomic Energy of Canada Limited, as agent for Romenergo, will arrange procurement. Thus, the intermediate consignees are:

Atomic Energy of Canada Ltd.,  
275 Slater Street,  
Ottawa, Ontario.  
Canada, K1A 0S4.

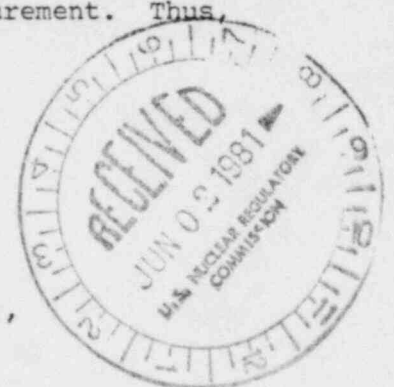
and,

Romenergo, (Romanian Foreign Trade Agency),  
14 Bul. Republicii,  
Bucharest, Romania.

The applicant for this license is:

SCIENCE & TECHNOLOGY

Counsellor, Science and Technology, (John E. Harrison)  
Embassy of Canada,  
1746 Massachusetts Ave., N.W.,  
Washington, D.C. 20036



Yours sincerely,

John E. Harrison  
Counsellor (Science & Technology)

\*Copy to FDR and ACC 6-6-81

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U.S.A. SOURCED, N.R.C. LICENSED  
Components, Equipment and Material for  
Cernavoda 1 and 2

<u>List #</u>	<u>Component</u>	<u>U.S. Manufacturer(s)</u>
2	Inflatable Seals	Hercules Inc. Taunton, Massachusetts
3	Fuelling Machine Door Buffer	Taylor Devices North Tonawanda, New York
4	Class 1 Nuclear Pipe Fittings	Gray Tool Company 7135 Ardmore St., (P.O. Box 2291) Houston, Texas 77001
5	Grayloc Hubs and Seals	Gray Tool Company
6	F/M Level Lowering Connections	Gray Tool Company
7	Cap Screws for Feeder Couplings	Rockford Aerospace Products Inc. 17300 Red Hill Ave. Irvine, California 92714
9	Seamless Zircaloy Tubing	Kawecki Berylco Inc. Alloy Division P.O. Box 1462 Reading, Pennsylvania 19603
9A	Seamless Zircaloy Tubing	Zirconium Technology Corporation P.O. Box 977 Albany, Oregon 97321
11	F/M Head Ram Tubes	20th Century Machine Company Sterling Heights, Michigan
12	F/M Head Ram Assemblies	Saginaw Steering Gear Division General Motors Corporation Saginaw, Michigan
13	F/M Head Ram Ball Screws (Spline)	Saginaw Steering Gear Division
15	F/M D <sub>2</sub> O Morotta Valves	Morotta Scientific Controls Inc. Boonton, New Jersey
16	D <sub>2</sub> O Vapour Recovery Filters	CVI Corporation Columbus, Ohio
19	Gaseous Fission Product Monitor	Applied Physical Technology Smyrna, Georgia

<u>List #</u>	<u>Component</u>	<u>U.S. Manufacturer(s)</u>
20	Ion Chambers, Amplifiers and Trip Comparators	General Atomic Company San Diego, California
20A	Ion Chambers, Amplifiers and Trip Comparators	Keithly Instruments Inc. Cleveland, Ohio 44139
24	F/M D <sub>2</sub> O Supply Pumps	Cooper Penjar Division of Cooper Industries Inc. Corry, Pennsylvania.
26	D <sub>2</sub> O Vapour Recovery System	Thunder Scientific Corporation Albuquerque, New Mexico
29	High Temperature Control Cable	Haveg Industries Limited Winooski, Vermont
32	Canned Pumps	Crane Chempump Warrington, Pennsylvania
33	Centrifugal Pumps	Crane Chempump Warrington, Pennsylvania
38	Bellows Sealed (Globe) Valves	Hoke Inc. Cresskill, New Jersey
40	Globe Valves	Steel Improvement and Forge
41	Bellows Sealed Control Valves (Nuclear)	Fisher Controls Company Marshalltown, Iowa
45	Roller Thrust Bearings	Industrial Tectonics Inc. Compton, California
48	Catenary Chains	Gem Electric Division Clawson, Michigan
50	Power Tracks	Maysteel Products Corporation Mayville, Wisconsin
54	(Nuclear) Resistance Temperature Detectors	RdF Corporation Hudson, New Hampshire
56	Radiation Resistant Wire	Raychem Menlo Park, California
59	Ion Chambers	Westinghouse Electric Corporation Horse Heads, New York
67	Zirconium Tubular Extrusions (Zircaloy)	Chase Brass & Copper Company P.O. Box 4367 Waterbury, Connecticut 06704  Wah Chang Albany, Oregon

<u>List #</u>	<u>Component</u>	<u>U.S. Manufacturer(s)</u>	
69	Nickel Alloy Sheet	Teledyne Rodney Metals New Bedford, Massachusetts	
70A	Steel Plate for Calandria Assembly	G.O. Carlson Inc. Thorndale, Pennsylvania	
70B	Steel Plate for Calandria Assembly	G.O. Carlson Inc. Thorndale, Pennsylvania	
74	Precision Castings	Valcast Troy, Michigan	
75	Carbon Steel Extrusions	Cameron Iron Works Limited Houston, Texas	
76	Die Forgings (Special)	Cameron Iron Works Ltd., Houston, Texas	
85	Forgings for Fuelling Machine	Cameron Iron Works Houston, Texas	
86	Water Lubricated Bearings for Fuelling Machine	Industrial Tectonics Inc. (I.T.I.), California	
86A	Water Lubricated Bearings for Fuelling Machine	M.P.B. Corporation Split Ball Bearing Division Connecticut	
89	Mortorized Globe Valves for Fuelling Machine	Flow Control Division Rockwell International Sulpher Springs, Texas	75482
89A	Motorized Globe Valves for Fuelling Machine	Hoke Inc. Cresskill, New Jersey	
91	Snout Thrust Bearings for Fuelling Machine	Industrial Tectonics Inc. (I.T.I.) California.	
91A	Snout Thrust Bearings for Fuelling Machine	M.P.B. Corporation Split Ball Bearing Division Connecticut	
94	Zirconium (Alloy) Wire for Channel Spacers	Teledyne Wah Chang Albany, Oregon	
95	Zirconium (Alloy) Tube for Shutdown	Chase Brass & Copper Waterbury, Connecticut	
95A	Zirconium (Alloy) Tube for Shutdown	Zirtech Products Albany, Oregon	
99	Small Bore Seamless Zirconium (Alloy)	Kawecki Berylco Industries, Inc. Zirconium Technology Division P.O. Box 947 Albany, Oregon	97321

<u>List #</u>	<u>Component</u>	<u>U.S. Manufacturer(s)</u>
100	Inconel Tubing For Flux Detectors	Babcock & Wilcox Tubular Products Beaver Falls, Pennsylvania
100A	Inconel Tubing for Flux Detectors	Huntington Alloys Inc. Huntington, West Virginia 25720
107A	Heat Exchangers for Fuelling Machines	Graham Manufacturing Company 70 Florence Ave. Batavia, New York 14020