In summary, United States Foreign Research Reactor Spent Fuel Imports are made up of 33 shipments (27 to the Savannah River Site (SRS) in South Carolina and 6 to the Idaho National Laboratory (INL)) in 175 casks (163 to SRS, 15 to INL), consisting of 5638 Material Test Reactor (MTR) spent fuel assemblies to SRS and 1213 TRIGA spent fuel elements to INL. All but three of these imports have been via ship through the Naval Weapons Station in Charleston, South Carolina. Two have been via land from Canada and one (the most controversial) via the Naval Weapons Station in Concord, California.

Special thanks to Tom Clements for this information.

1996

280 assemblies in 8 casks to SRS  
Naval Weapons Station, Charleston, SC  
[First East Coast Shipment]

- Sweden 64
- Switzerland 42
- Germany 125
- Chile 28
- Columbia 21

1997

2. Dec. 15, 1996  
41 spent fuel assemblies in one cask to SRS  
[First Highway shipment from Canada]

- Canada 41

3. Apr. 2, 1997  
269 spent fuel assemblies in 7 casks to SRS  
Naval Weapons Station, Charleston, SC

- Germany 66
- Switzerland 92
- Spain 39
- Italy 72

232 spent fuel assemblies in 7 casks to SRS  
Naval Weapons Station, Charleston, SC

- Japan 60
- Sweden 112
- Germany 59
- Spain 1

1998
Global Threat Reduction Initiative

Foreign Research Reactor Spent Nuclear Fuel Shipments

5. Jan. 26, 1998  309 spent fuel assemblies in 8 casks to SRS
                 Naval Weapons Station, Charleston, SC

                 Denmark  61
                 Italy    76
                 Germany  66
                 Sweden   64
                 Greece   42

6. May 14, 1998  240 spent fuel assemblies in 3 casks to SRS
                 Naval Weapons Station, Charleston, SC

                 Australia 240

7. July 21-23, 1998  299 spent fuel assemblies in 3 casks to INEEL
                     Naval Weapons Station, Concord, CA
                     [First West Coast Shipment]

                     South Korea 299

8. Oct. 6, 1998  309 spent fuel assemblies in 11 casks to SRS
                 Naval Weapons Station, Charleston, SC

                 Venezuela  54
                 Uruguay   19
                 Japan     171
                 Spain     1
                 Sweden    64

1999

9. Mar. 30, 1999  262 spent fuel assemblies in 7 casks to SRS
                 Naval Weapons Station, Charleston, SC

                 Denmark   60
                 Germany   90
                 Sweden    112

10. Apr. 27, 1999  199 spent fuel assemblies in 7 casks to SRS
                  Naval Weapons Station, Charleston, SC

                  Taiwan    70
                  Thailand  31
                  Indonesia 47
                  Philippines 51

11. Aug. 19, 1999  99 spent fuel assemblies in 3 casks to SRS
                   Naval Weapons Station, Charleston, SC

                   Denmark   60
                   Portugal   39

12. Aug. 19 – Aug 31, 1999  435 spent fuel elements and 267 pins in 5 casks to INEEL

Update as of December 7, 2004
Global Threat Reduction Initiative  
*Foreign Research Reactor Spent Nuclear Fuel Shipments*

Naval Weapons Station, Charleston, SC  
*First Cross-Country Highway shipment*

<table>
<thead>
<tr>
<th>Country</th>
<th>Fuel assemblies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>76</td>
</tr>
<tr>
<td>Italy</td>
<td>140</td>
</tr>
<tr>
<td>Slovenia</td>
<td>219</td>
</tr>
<tr>
<td>Romania</td>
<td>267 pins</td>
</tr>
</tbody>
</table>

13. **Nov. 23, 1999**  
240 spent fuel assemblies in 8 casks to SRS  
Naval Weapons Station, Charleston, SC  
Japan 240

14. **Nov. 30, 1999**  
129 spent fuel assemblies in 5 casks to SRS  
Naval Weapons Station, Charleston, SC  
Brazil 127  
Venezuela 2

2000

15. **June 29, 2000**  
42 spent fuel assemblies and one SLOWPOKE core in 2 casks to SRS  
*Highway shipment from Canada*

Canada 42 and one SLOWPOKE core (297 MTR pins)

90 spent fuel elements in 1 cask to INEEL  
Naval Weapons Station, Charleston, SC  
*Cross-Country Highway shipment*

United Kingdom 90

17. **October 11, 2000**  
122 spent fuel assemblies in 4 casks to SRS  
*First SC Highway shipment*

Germany 110  
Italy 12

18. **October 24, 2000**  
232 spent fuel assemblies in 8 casks to SRS  
Naval Weapons Station, Charleston, SC  
Japan 232

2001

19. **January 11, 2001**  
237 spent fuel assemblies in 6 casks to SRS  
Naval Weapons Station, Charleston, SC  
Argentina 207  
Chile 30

20. **June 25, 2001**  
231 spent fuel assemblies in 6 casks to SRS

Update as of December 7, 2004
Global Threat Reduction Initiative

Foreign Research Reactor Spent Nuclear Fuel Shipments

Naval Weapons Station, Charleston, SC

Austria 54
Germany 60
Netherlands 117

126 spent fuel elements in 3 casks to INEEL
Naval Weapons Station, Charleston, SC

[Cross-Country Highway shipment]

Germany 126

22. October 19, 2001
438 spent fuel assemblies in 12 casks to SRS
Naval Weapons Station, Charleston, SC

Japan 260
Sweden 112
Germany 66

23. December 18, 2001
84 spent fuel assemblies in 2 casks to SRS
Naval Weapons Station, Charleston, SC

[SC Highway shipment]

Denmark 84

2002

24. June 21, 2002
320 spent fuel assemblies in 8 casks to SRS
Naval Weapons Station, Charleston, SC

Denmark 171
Germany 108
Sweden 41

25. September 27, 2002
260 spent fuel assemblies in 8 casks to SRS
Naval Weapons Station, Charleston, SC

Japan 260

2003

71 spent fuel elements in 1 casks to INEEL
Naval Weapons Station, Charleston, SC

[Cross-Country Highway shipment]

Japan 71

27. December 3, 2003
307 spent fuel assemblies in 11 cask to SRS
Naval Weapons Station, Charleston, SC

Japan 307

2004

Update as of December 7, 2004
Global Threat Reduction Initiative
Foreign Research Reactor Spent Nuclear Fuel Shipments

28. April 21, 2004  112 spent fuel assemblies in 3 casks to SRS
Naval Weapons Station, Charleston, SC

Indonesia  112

29. April 21, 2004  182 spent fuel elements in 2 casks to INEEL
Naval Weapons Station, Charleston, SC
[Cross-Country Highway shipment]

Indonesia  182

30. August 5, 2004  126 spent fuel assemblies in 3 casks to SRS
Naval Weapons Station, Charleston, SC
[SC Highway shipment]

Germany  126

31. December 1, 2004  111 spent fuel assemblies in 5 casks to SRS
Naval Weapons Stations, Charleston, SC

Japan  111

2005

32. June 8, 2005  338 spent fuel assemblies in 7 casks to SRS
Naval Weapons Stations, Charleston, SC

Netherlands  210
Sweden  128

33. December 29, 2005  68 spent fuel assemblies in 3 casks to SRS
Naval Weapons Stations, Charleston, SC

Austria  22
Greece  46

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Program Totals

Completed:  33 shipments
27 shipments to SRS
6 shipments to INL

Transported:  175 casks
163 casks to SRS
15 casks to INL

Received:  5,638 MTR spent fuel assemblies at SRS
1,213 TRIGA spent fuel elements at INL

Update as of December 7, 2004  5
Global Threat Reduction Initiative
Foreign Research Reactor Spent Nuclear Fuel Shipments

*Foreign research reactor spent fuel imports are now imported under the Global Threat Reduction Initiative. Much of this highly enriched uranium (HEU) fuel is currently stored at the Savannah River Site.