

April 1, 2004

Table 1 - Spent Nuclear Fuel Transportation Casks Available for Use at the INEEL

| Count | Shipping Cask | Outside Dimensions [W/O impact limiters] (in) | Inside Dimensions (in) | Empty Weight [w/o external impact limiters] (lbs) | Payload (lbs.) | Total Weight [gross wt, w/o external impact limiters] (lbs) | Owner | License Type | Location | SNF Type Licensed |
|---|-----------------------------|---|---------------------------------|--|-------------------|---|---------------|--------------------|--------------------|------------------------------------|
| Available Onsite | | | | | | | | | | |
| 1 | ATR | 35-in. dia. x 74-in. high | 12.8-in dia. x 52.5-in. high | 26,000 | 3,000 | 29,000 | NE-ID | None | INL/TRA | Not available |
| 1 | BMI-1 | 36-in. dia x 72-in. high | 15.5-in. dia x 54-in. high | 21,860 | 1,800 | 23,660 | DOE | CoC | INL/TRA | MTR, MURR, Fermi, TRIGA, HFBR |
| 1 * | HFEF-6 | 32.75-in dia. x 92-in. high | 6-in dia. x 67.38-in. high | 26,226 | 2,004 | 28,230 | NE-ID | None | INL/ANL-W | Not available |
| 2 | High Load Charger | 35-in. sq. x 69-in. high | 13.5-in. sq. x 51.5-in. high | 27,250 | 775 | 28,025 | NE-ID | None | INL/INTEC | Not available |
| 2 | LCC-1 & -2 (NRF-Large Cell) | 81.50-in dia. x 165.50-in. high | 55.50-in dia. x 139-in. high | 153,600 | 66,400 | 220,000 | DOE/NR | None | INL/NRF | Navy |
| 1 | NFS 100 | 70.25-in dia. x 128.31-in. high | 40-in dia. x 103-in. high | 100,000 | 20,000 | 120,000 | DOE/NR | None | INL/NRF | Navy |
| 2 | NUPAC 125-B (-1 and -3) | 65.5-in. dia. X 192.5-in high | 51.25- in. dia. x 192.5 high | 100,500 | 81,000 | 181,500 | DOE | CoC | INL/TAN | Byproduct and SNM |
| 2 | Peach Bottom | 42.62-in dia. x 173.12-in. high | 26-in dia. x 159-in. high | 57,510 | 10,000 | 67,510 | NE-ID | CoC (expired) | INL/INTEC | Peach Bottom, Navy |
| 2 | STR Charger | 31.5 sq. x 72-in. high | 10-in. sq. x 63-in. high | 24,000 | Not available | Not available | NE-ID | None | INL/INTEC | Not available |
| 2 | TN-FSV (Ft. St. Vrain) | 31-in. dia x 207-in. high | 18-in dia. x 199-in. high | 42,000 | 5,000 | 47,000 | NE-ID | CoC | INL/INTEC & FSV | FSV |
| Potentially Available from Offsite | | | | | | | | | | |
| 2 | GE-2000 | 38.5-in dia. x 71-in. high | 26.5-in dia. x 54-in. high | 28,100 | 5,450 | 33,550 | DOE | CoC | ORR/X-10 | HIFR, TSR, MTR, TRIGA |
| 2 | GNS 11 | 46.6-in dia X 57.5-in high | 28-in dia X 37-in high | 29,321 | Not available | Not available | NCS | (expired 8/02) | Germany | 28 tube of 33 square MTR |
| 2 | GNS 16 | 47.25-in dia X 60.4-in high | 28.5-in dia. X 29-in high | 29,167 | Not available | Not available | NCS | (expired 12/03) | Germany | 28 MTR, 90 TRIGA |
| 5 | IU-04 | 35.45-in dia. x 96.50-in. high | 31.30-in dia. x 37.80-in. high | Not available | Not available | 45,253 | Transnuclaire | None | Europe | Not available |
| 1 | JMS-87Y-18.5T | 52.3-in dia. x 60.6-in. tall | 26-in. dia x 32.8-in. high | 33,449 | 2,624 | 33,449 | Rikkyo Univ | CoC | Japan | TRIGA |
| 5 | NAC-LWT | 44.2-in dia. x 19.8-in. high | 13.38-in dia. x 180.90-in. high | 48,000 | 4,000 | 52,000 | NAC | CoC | NAC | MTR, TRIGA, PWR, BWR |
| 1 * | NLI-1/2 Fermi | 47.13-in dia. x 195.25-in. high | 13.38-in dia. x 178-in. high | 43,250 | 3,000 | 46,250 | DOE | CoC | Unknown | EBR-2 blanket, SRS Mark 22 & 42 |
| 1 | TN 6/3 | 35.4-in dia X 84-in high | 8-in dia X 59-in | 13,800 | 1,100 | 14,900 | TN | CoC | Europe | TRIGA |

* Possibly more than one exists. Count is unconfirmed.

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Table 2 - Spent Nuclear Fuel Transportation Casks Available for Use at the INEEL with Relevant Documentation

| Count | Shipping Cask | Condition | Safety and Design Documentation | DOT or NRC Certification |
|---|-----------------------------|-----------|--|---|
| Available Onsite | | | | |
| 1 | ATR | active | INL SAR 113, PLN 936 | None |
| 1 | BMI-1 | active | INL ATR SARP | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No. 5957, Package No. USA/5957/B()F, rev 27, expires March 31, 2006 |
| 1 * | HFEF-6 | inactive | INL SAR Cancelled; PMs deferred | None |
| 2 | High Load Charger | inactive | INL SAR Cancelled; PMs deferred | None |
| 2 | LCC-1 & -2 (NRF-Large Cell) | inactive | In Preparation; cask being modified | None |
| 1 | NFS 100 | active | NRF SAR | None |
| 2 | NUPAC 125-B (-1 and -3) | inactive | INL SAR-164; PMs deferred | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No. 9200, Package No. USA/9200/B(M)F, rev 11, expires March 31, 2006 |
| 2 | Peach Bottom | active | INL SAR-175 & (112, 113, 114) | None |
| 2 | STR Charger | inactive | INL SAR Cancelled; PMs deferred | None |
| 2 | TN-FSV (Ft. St. Vrain) | active | Transnuclear, Inc., No. 1090-SAR & (INL SAR-114) | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No. 9253, Package No. USA/9253/B(U)F-85, Rev 9, expires May 31, 2004 |
| Potentially Available from Offsite | | | | |
| 2 | GE-2000 | active | | U.S. Department of Transportation, Competant Authority Certification, Certificate No. USA/9228/B(U)F-85, Rev 11, expires Mar 31, 2006 |
| 2 | GNS 11 | inactive | | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No. Unk , Package No. USA/0381/B(U)F-85, Rev 5, Sept. 14, 1999, expired Aug 2001 |
| 2 | GNS 16 | active | INL SAR Cancelled | U.S. Department of Transportation, Competant Authority Certification, Certificate No. USA/0551/B(U)F-85, Rev 4, expires Jan 31, 2005 |
| 5 | IU-04 | active | | French design cask |
| 1 | JMS-87Y-18.5T | active | INL SAR Cancelled | U.S. Department of Transportation, Competant Authority Certification, Certificate No. USA/0401B(U)F-96, rev 8, expires Aug 18, 2005 |
| 5 | NAC-LWT | active | NAC SARP, & (INL SAR-114) | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No. 9225, Package No. USA/9225/B(U)F-85, Rev. 36, expires Feb 28, 2005 |
| 1 * | NLI-1/2 Fermi | active | | U.S. Nuclear Regulatory Commission, Certificate of Compliance, Certificate No 9010, Package No. USA/9010/B(U)F-85, Rev 40, expires Apr. 30, 2006 |
| 1 | TN 6/3 | inactive | INL SAR Cancelled | French Certification F/239/B(U), special arrangement F/621/X. US NRC approved French license on May 16, 2001 |