

SECTION C

Attachment C-A-D Shipping Cask and Fuel Receipt Schedule

Schedule Basis

The Shipping Cask and Fuel Receipt Schedule was developed based on the following:

1. Receipts from CPP-749 are weather-dependent. For that reason, receipts from CPP-749 facility will typically only take place from May through September in any given year. In some cases, receipts from that facility are shown in April and/or October as well in order to complete a fuel type campaign.
2. The start date for fuel receipts provided in the attached schedule is dependent on the vendor's start of operations (start of Phase III of this Subcontract). The detailed operations schedule will be defined in the Contractor's Deliverable 36, "Operations schedules (proposed and final)," (Section J-K). The attached schedule assumes a Phase III start date of January 2005.

Fuel required during Phase II for the Demonstration Test will also be provided to support the Contractor's test schedule, pursuant to the Contractor's Deliverable 28, "Testing and startup plan and procedures," (Section J-K). The Contractor and DOE will identify the specific Peach Bottom fuel from the attached schedule to be provided for the Phase II Demonstration Test, and the attached schedule will be adjusted accordingly.

3. The entire SNF inventory to be handled by the project can be delivered by DOE to the Contractor over a 39-month period (3 years, 3 months).
4. The following defines the fueling handling unit (FHU) for each fuel type.
 - 1) LWBR: 1 FHU=1 Canister
 - 2) Peach Bottom Core 1: one (1) fuel element can or overpack container = 1 FHU, typical; except 6 overpack containers contain partial elements
 - 3) Peach Bottom Core 2: one (1) fuel element = 1 FHU
 - 4) TRIGA: One (1) Storage Can = 1 FHU. Typical storage can contains 5 fuel elements.
5. All three fuel types are planned to be delivered in the Peach Bottom cask. The maximum monthly delivery per fuel type is:
 - LWBR: 6 FHUs
 - Peach Bottom Core 1: 94 FHUs (90 FHUs, typical)
 - Peach Bottom Core 2: 48 FHUs
 - TRIGA: 90 FHUs (5 elements per FHU, typical)

DOE is prepared to support an adjustment to the fuel receipt schedule, subject to the above limiting restrictions, to meet an early start of operations (prior to January 1, 2005) as described in the incentives clause, Section B.8 of this RFP.

Shipping Cask and Fuel Receipt Schedule -- January 2005 Start

Month	Year	SNF Type	No. FHUs	Shipping Cask	Location	No. Shpmnts	Remarks
January	2005	Peach Bottom Core 2	48	"	"	4	12 FHU/Cask
February	2005	Peach Bottom Core 2	48	"	"	4	"
March	2005	Peach Bottom Core 2	48	"	"	4	"
April	2005	Peach Bottom Core 2	48	"	"	4	"
May	2005	Peach Bottom Core 1	90	"	"	5	18 FHU/cask
June	2005	Peach Bottom Core 1	90	"	"	5	"
July	2005	Peach Bottom Core 1	90	"	"	5	"
August	2005	Peach Bottom Core 1	90	"	"	5	"
September	2005	Peach Bottom Core 1	90	"	"	5	"
October	2005	Peach Bottom Core 2	48	"	"	4	12 FHU/Cask
November	2005	Peach Bottom Core 2	48	"	"	4	"
December	2005	Peach Bottom Core 2	48	"	"	4	"
January	2006	Peach Bottom Core 2	48	"	"	4	"
February	2006	Peach Bottom Core 2	48	"	"	4	"
March	2006	Peach Bottom Core 2	48	"	"	4	"
April	2006	Peach Bottom Core 2	48	"	"	4	"
May	2006	Peach Bottom Core 1	90	"	"	5	18 FHU/cask
June	2006	Peach Bottom Core 1	90	"	"	5	"
July	2006	Peach Bottom Core 1	90	"	"	5	"
August	2006	Peach Bottom Core 1	94	"	"	6	18 FHU/cask (1 partial shipment)
September	2006	Peach Bottom Core 1	4	"	"	1	4 FHU/cask (partial)
	2006	Peach Bottom Core 2	24	"	"	2	12 FHU/Cask
October	2006	Peach Bottom Core 2	48	"	"	4	"
November	2006	Peach Bottom Core 2	48	"	"	4	"
December	2006	Peach Bottom Core 2	48	"	"	4	"
January	2007	Peach Bottom Core 2	48	"	"	5	SEE PEACH BOTTOM NOTE BELOW
February	2007	Peach Bottom Core 2	43	"	"	7	"
March	2007	Shippingport LWBR	4	"	"	4	SEE LWBR NOTE BELOW -- 1 FHU/cask -- 4 Reflector V (15634-A, 15635-A, 15636-A, and 15638-A)
April	2007	Shippingport LWBR	4	"	"	4	1 FHU/cask -- 2 Reflector V (15637-B and 15639-A); 2 Reflector IV (15625-A and 15626-A)
May	2007	Shippingport LWBR	5	"	"	5	1 FHU/cask -- 5 Reflector IV (15627-B, 15628-B, 15629-B, 15630-A, 15631-A)
June	2007	Shippingport LWBR	6	"	"	6	1 FHU/cask -- 2 Reflector IV (15632-A and 15633-B); 1 Reflector Scrap (15681-C); 3 Blanket III (15619-A, 15621-A, and 15622-A)
July	2007	Shippingport LWBR	6	"	"	6	1 FHU/cask -- 3 Blanket III (15620-B, 15623-A, 15624-B); 3 Blanket II (15616-A, 15617-B, 15618-A)
August	2007	Shippingport LWBR	6	"	"	6	1 FHU/cask -- 3 Blanket I (15613-A, 15614-A, and 15615-A); 3 Blanket Scrap (15682-C, 15684-C, and 15687-C)
September	2007	Shippingport LWBR	5	"	"	5	1 FHU/cask -- 5 Seed (15601-B, 15602-A, 15603-A, 15604-A, and 15605-A)
October	2007	Shippingport LWBR	4	"	"	4	1 FHU/cask -- 4 Seed (15606-B, 15607-B, 15608-B, and 15609-B)
November	2007	Shippingport LWBR	3	"	"	3	1 FHU/cask -- 3 Seed (15610-A, 15611-A, and 15612-A)
December	2007	TRIGA	90	"	"	5	18 FHU/cask
January	2008	TRIGA	72	"	"	4	"
February	2008	TRIGA	90	"	"	5	"
March	2008	TRIGA	68	"	"	4	18 FHU/cask (1 partial shipment)

GENERAL NOTE:

Peach Bottom Core 1: 818 FHUs = 812 elements and 6 partial elements

Peach Bottom Core 2: 787 FHUs = 787 elements

Shippingport LWBR: 43 FHUs = 16,721 rods (not evenly distributed amongst the 43 FHUs. See LWBR Note below.)

TRIGA: 320 FHUs = 1,600 elements

PEACH BOTTOM NOTE:

January 2007: 1 shipment w/ 12 FHU/cask; 2 shipments w/ 11 FHU/cask; 1 shipment w/ 10 FHU/cask; 1 shipment w/ 4 FHU/cask

February 2007: 1 shipment w/ 12 FHU/cask; 2 shipments w/ 9 FHU/cask; 1 shipment w/ 6 FHU/cask; 1 shipment w/ 5 FHU/cask;
and 2 shipments w/ 1 FHU/cask

LWBR NOTE:

The Liner Number and Liner Type are shown in parenthesis ("liner #" - "liner type") after each LWBR type (Reflector V, Reflector IV, etc.).

For detailed information on number of rods in each liner, see Table 6-1 in Section J-L, Reference Document 1-3. For even more detail on the Type C liners, see Table 6-2 in the same Reference Document.