

# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>Naval Reactors (NR)</b>							
		10/01/95	12/29/34				
<b>Fuel Receipt / Treatment / Packaging</b>							
		10/01/95	12/29/34				
4	Naval SNF Shipments from ECF to CPP-666	10/01/95	12/29/00		Naval SNF Shipments from ECF to CPP-666		
8	First Navy SNF Ready for Disposition	10/01/01	10/01/01		First Navy SNF Ready for Disposition		
2	ECF ready for return of SNF from ICPP	09/30/02	09/30/02		ECF ready for return of SNF from ICPP		
3	Naval SNF Shipments from CPP-666 to ECF	01/01/03	07/02/08		Naval SNF Shipments from CPP-666 to ECF		
1	Navy Shipments from shipyards to ECF (Idaho)	10/01/95	12/29/34				
<b>Procurement / Construction Activities</b>							
		07/30/98	07/01/02				
5	Complete Construction of ECF Dry Cell Expansion	07/30/98	07/30/98		Complete Construction of ECF Dry Cell Expansion		
6	Complete ECF Loadout Station #1 (Operational)	10/01/01	10/01/01		Complete ECF Loadout Station #1 (Operational)		
7	Complete ECF Loadout Station #2	07/01/02	07/01/02		Complete ECF Loadout Station #2		
<b>Hanford - EM Spent Nuclear Fuels</b>							
		10/01/96	11/08/17				
<b>Spent Nuclear Fuels</b>							
		10/01/96	03/31/08				
<i>Spent Nuclear Fuels</i>							
1369	Basins Facility Support Upgrades	10/01/96	02/24/97	Basins Facility Support Upgrades			
1262	Start Fuel Removal Operations	11/30/00	11/30/00		Start Fuel Removal Operations		
1263	(TPA) Remove First MCO from KW Basin	01/31/01	01/31/01		(TPA) Remove First MCO from KW Basin		
1267	(TPA) Remove First MCO from KE Basin	07/27/01	07/27/01		(TPA) Remove First MCO from KE Basin		
1268	(TPA) Cmpl Fuel Removal from Basins	08/29/03	08/29/03		(TPA) Cmpl Fuel Removal from Basins		
1269	SNF K Basins Debris/Sludge Removal Complete	12/13/05	12/13/05		SNF K Basins Debris/Sludge Removal Complete		
1270	Transfer K Basins to ER Program	03/31/08	03/31/08		Transfer K Basins to ER Program		
<b>Project Direction</b>							
		10/01/96	09/29/06				
<i>Project Management &amp; Integration</i>							
1254	Revise FY97 MYWP	12/31/96	12/31/96	Revise FY97 MYWP			
1271	Cmpl Schedule Rebaseline	12/31/96	12/31/96	Cmpl Schedule Rebaseline			
1272	Cmpl Cost Savings Rebaseline	12/31/96	12/31/96	Cmpl Cost Savings Rebaseline			
1283	Perform KW Fuel Visual Observations	10/01/96	01/31/97	Perform KW Fuel Visual Observations			
1291	Complete KW Fuel Visual Observations	01/31/97	01/31/97	Complete KW Fuel Visual Observations			
1253	Prepare 10YR Plan/PBSs/Action Plan	01/13/97	07/11/97	Prepare 10YR Plan/PBSs/Action Plan			
1274	Cmpl DNFSB ISMS Protocol Letter	09/02/97	09/02/97	Cmpl DNFSB ISMS Protocol Letter			
1295	Cmpl KE Can Sludge Final Analysis & Report	09/12/97	09/12/97	Cmpl KE Can Sludge Final Analysis & Report			
1285	Perform Fuel Destructive Exams	11/06/96	09/22/97	Perform Fuel Destructive Exams			
1282	FY97 Update SNF Process Flow Diagram	10/01/96	09/30/97	FY97 Update SNF Process Flow Diagram			
1279	Perform SAR Technical Basis Closure	10/01/96	11/13/97	Perform SAR Technical Basis Closure			
1284	Perf. Sample Acquisition/Field Characterization	10/01/96	03/06/98	Perf. Sample Acquisition/Field Characterization			
1256	Prep/Rev/Appv MCO Baseline Change	01/06/98	04/13/98	Prep/Rev/Appv MCO Baseline Change			
1292	Damag Effect/Total Moisture (3-8) Test & Report	12/08/97	05/29/98	Damag Effect/Total Moisture (3-8) Test & Report			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1293	Cmplt Damaged Effect/Total Moisture Reports	05/29/98	05/29/98		Cmplt Damaged Effect/Total Moisture Reports		
1281	Prepare Upset Recovery Plans	03/15/97	06/05/98		Prepare Upset Recovery Plans		
1276	Update Site Sys Engineering Documents	12/16/96	08/25/98		Update Site Sys Engineering Documents		
1273	DOE Approval of PMP Rev 1	08/25/98	08/25/98		DOE Approval of PMP Rev 1		
1288	Perform Sludge Chem/Phys Analysis for WSPS/SAR	10/01/96	09/30/98		Perform Sludge Chem/Phys Analysis for WSPS/SAR		
1296	Perform Technical Aquisition	10/01/96	09/30/98		Perform Technical Aquisition		
1289	Perform KW Sludge TGA Testing	12/03/96	09/30/98		Perform KW Sludge TGA Testing		
1278	Assess MCO Sealing Issues	01/06/98	09/30/98		Assess MCO Sealing Issues		
1286	Perform Fuel Whole Element Testing	10/01/96	10/16/98		Perform Fuel Whole Element Testing		
1264	(TPA) Submit Remed Act Feasability Study to EPA	10/30/98	10/30/98		(TPA) Submit Remed Act Feasability Study to EPA		
1287	Perform TGA Testing	02/18/97	11/05/98		Perform TGA Testing		
1294	Cmplt KW Fuel TGA Testing	11/05/98	11/05/98		Cmplt KW Fuel TGA Testing		
1265	(TPA) EPA Approve Remedial Action ROD	03/31/99	03/31/99		(TPA) EPA Approve Remedial Action ROD		
1266	Provide Remedial Design Report to EPA	07/01/99	07/01/99		Provide Remedial Design Report to EPA		
1290	Perform Canister/Floor Sludge Testing	10/01/97	08/31/99		Perform Canister/Floor Sludge Testing		
1250	National Projects	10/01/96	09/29/00		National Projects		
1277	Manage & Provide Engineering Services	10/01/96	09/27/01		Manage & Provide Engineering Services		
1259	Perform Proj. Regulatory & Compliance Interface	10/01/96	09/30/02		Perform Proj. Regulatory & Compliance Interface		
1261	Perform Project Regulatory Integration	10/01/96	09/30/02		Perform Project Regulatory Integration		
1275	Perform Integrated Systems Engineering	10/01/96	09/30/02		Perform Integrated Systems Engineering		
1252	Perform Project Planning & Schedule Integration	10/01/96	09/29/06		Perform Project Planning & Schedule Integration		
1255	Perform Project Management Controls	10/01/96	09/29/06		Perform Project Management Controls		
1257	Perform Project Management Administration	10/01/96	09/29/06		Perform Project Management Administration		
1258	Perform Project QA/ES&H Integration	10/01/96	09/29/06		Perform Project QA/ES&H Integration		
1260	Perform Project Environmental Compliance	10/01/96	09/29/06		Perform Project Environmental Compliance		
1280	Perform Technical Program Integration	10/01/96	09/29/06		Perform Technical Program Integration		
1249	Provide Project Direction	02/24/97	09/29/06		Provide Project Direction		
<b>Project Integration</b>							
		<b>10/01/96</b>	<b>12/15/97</b>				
<i>Deactivation Preparation</i>							
1251	Deactivation Planning	10/01/96	12/15/97		Deactivation Planning		
<b>K Basin Facility Projects</b>							
		<b>10/01/96</b>	<b>09/30/97</b>				
<i>Basin Personnel Facility Upgrades</i>							
1368	MS [DESH] Personnel Fac UG Def Design	10/31/96	10/31/96		MS [DESH] Personnel Fac UG Def Design		
1366	Basin Personnel Facility Upgrades	10/01/96	08/25/97		Basin Personnel Facility Upgrades		
<i>Dose Reduction System</i>							
1370	Perform KE/KW Fuel Removal Dose Reduction	10/01/96	09/30/97		Perform KE/KW Fuel Removal Dose Reduction		
<b>Water Treatment</b>							
		<b>10/01/96</b>	<b>10/05/00</b>				
<i>IWTS (OP)</i>							
1471	Cmplt IWTS KW Def Design [SNF 1.1.4 - AUG 31, 97]	08/29/97	08/29/97		Cmplt IWTS KW Def Design [SNF 1.1.4 - AUG 31, 97]		
1461	Design KW IWTS	10/01/96	09/15/97		Design KW IWTS		
1463	Manage Water Treatment System Upgrade Acquisition	10/01/96	10/05/00		Manage Water Treatment System Upgrade Acquisition		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>Debris Removal Project</b>							
		10/01/96	09/30/03	[Gantt Bar]			
<i>KE Debris/Fuel Rack Removal Ops</i>							
1425	Debris Removal Project	10/01/96	09/30/03	[Gantt Bar] Debris Removal Project			
<b>SNF Fuel Relocation/Common Operations</b>							
		10/01/96	02/09/04	[Gantt Bar]			
<i>SNF Fuel Relocation/Common Operations Post FY97</i>							
1367	Acquire Facilities for Fuel Removal Support	10/01/96	07/31/97	[Gantt Bar] Acquire Facilities for Fuel Removal Support			
1465	Changeout - Transport - Disp Filter/IXM	10/01/96	09/30/02	[Gantt Bar] Changeout - Transport - Disp Filter/IXM			
1309	Perform Fuel Relocation Mgmt/HP/Transp. Ops	11/30/00	12/26/02	[Gantt Bar] Perform Fuel Relocation Mgmt/HP/Transp. Ops			
1310	Perform KBasin Mgt/HP Debris/Sludge Cleanout Ops	12/13/02	02/09/04	[Gantt Bar] Perform KBasin Mgt/HP Debris/Sludge Cleanout Ops			
<b>Canister Storage Building (CSB) Facility</b>							
		10/01/96	05/15/00	[Gantt Bar]			
<i>CSB Design (OP)</i>							
1573	CSB Title III Design / Inspection	10/01/96	05/15/00	[Gantt Bar] CSB Title III Design / Inspection			
<i>MCO Handling Equipment (CE)</i>							
1620	CENRTC - Contingency	09/02/97	09/30/97	[Gantt Bar] CENRTC - Contingency			
1587	MHM Design/Procurement Support	10/01/96	09/10/98	[Gantt Bar] MHM Design/Procurement Support			
<i>CSB Construction (LI)</i>							
1604	CD3-CSB Deck Pour	12/20/96	12/20/96	[Gantt Bar] CD3-CSB Deck Pour			
1605	CD3A-CSB Superstructure	04/04/97	04/04/97	[Gantt Bar] CD3A-CSB Superstructure			
1609	CSB Hot Conditioning Annex Rebar/Concrete	11/15/96	07/25/97	[Gantt Bar] CSB Hot Conditioning Annex Rebar/Concrete			
1579	Construct CSB Operating Deck	12/20/96	08/08/97	[Gantt Bar] Construct CSB Operating Deck			
1608	CSB Construction (Building)	09/30/97	09/30/97	[Gantt Bar] CSB Construction (Building)			
1574	CSB Construction Management	10/01/96	09/30/98	[Gantt Bar] CSB Construction Management			
1575	Procure CSB Equipment	02/24/97	03/03/00	[Gantt Bar] Procure CSB Equipment			
<i>CSB Startup &amp; Test</i>							
1567	Perform CSB Pre Op/Ops Testing	04/20/98	07/08/99	[Gantt Bar] Perform CSB Pre Op/Ops Testing			
<i>CSB Regulatory Compliance/Integr. (LI)</i>							
1582	Prep Review CSB MHM Proc/Install Rel Documents	03/11/97	05/22/97	[Gantt Bar] Prep Review CSB MHM Proc/Install Rel Documents			
1585	Prepare/Review CSB SAR Packages	10/01/96	02/11/99	[Gantt Bar] Prepare/Review CSB SAR Packages			
1581	Update CSB FSAR	05/17/99	05/17/99	[Gantt Bar] Update CSB FSAR			
1612	Update CSB SAR as Nec to Support Const/ORR	05/17/99	06/21/99	[Gantt Bar] Update CSB SAR as Nec to Support Const/ORR			
<i>CSB Project Management (LI)</i>							
1603	CSB Project Contingency - FY97	06/16/97	07/16/97	[Gantt Bar] CSB Project Contingency - FY97			
1572	CSB Project Management	10/01/96	05/15/00	[Gantt Bar] CSB Project Management			
<b>Sludge Removal Project</b>							
		04/08/97	11/08/17	[Gantt Bar]			
<i>WBS Element not Identified</i>							
1418	KE - Issue Can Sludge WSPS to TWRS	04/08/97	04/08/97	[Gantt Bar] KE - Issue Can Sludge WSPS to TWRS			
1419	Cmpl KE Basin Sldg to TWRS Letter	05/30/97	05/30/97	[Gantt Bar] Cmpl KE Basin Sldg to TWRS Letter			
1416	DOE Review and Approve EE/CA, Rev C	05/06/97	06/30/97	[Gantt Bar] DOE Review and Approve EE/CA, Rev C			
1417	Submit EE/CA, Rev C to Regulators	09/30/97	09/30/97	[Gantt Bar] Submit EE/CA, Rev C to Regulators			
1420	Cmpl Issue KW Canister Sludge WSPS to TWRS	09/30/97	09/30/97	[Gantt Bar] Cmpl Issue KW Canister Sludge WSPS to TWRS			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1421	Cmpl KW Sldg to TWRS Acceptance	09/30/97	09/30/97	Cmpl KW Sldg to TWRS Acceptance			
<i>Sludge Conditioning System Development</i>							
1408	Perform Sludge System Definition	10/01/97	11/08/17	[Blue Bar]			
<b>Hanford - EM 100 Area</b>							
		<b>04/30/96</b>	<b>03/31/08</b>	[White Bar]			
<b>Maintain Safe &amp; Compliant SNF Storage in KBasins</b>							
		<b>09/03/96</b>	<b>12/12/05</b>	[White Bar]			
<i>K-Basins Maintenance &amp; Operations- Pre Fuel Mov</i>							
1306	Obtain KE Basin Air Permit NOC	09/03/96	02/05/97	[Blue Bar]	Obtain KE Basin Air Permit NOC		
1338	Cmpl KE Basin DOH/EPA Air Permits NOC Approval	03/05/97	03/05/97	Cmpl KE Basin DOH/EPA Air Permits NOC Approval			
1305	Obtain KW Basin Air Permit NOC	09/03/96	06/23/97	[Blue Bar]	Obtain KW Basin Air Permit NOC		
1337	Cmpl KW DOH/EPA Air Permit NOC Approval	07/21/97	07/21/97	Cmpl KW DOH/EPA Air Permit NOC Approval			
1333	Perform ISMS Gap Analysis	09/16/97	11/26/97	[Blue Bar]	Perform ISMS Gap Analysis		
1334	ISMS Gap Analysis, Phase 1 Complete	11/26/97	11/26/97	ISMS Gap Analysis, Phase 1 Complete			
1352	Start FEB Audit - FY98	05/26/98	05/26/98	Start FEB Audit - FY98			
1335	Prepare for ISMS Phase II Verification	12/01/97	02/01/99	[Blue Bar]	Prepare for ISMS Phase II Verification		
1336	Declare ISMS Phase II Verif Readiness	02/01/99	02/01/99	Declare ISMS Phase II Verif Readiness			
1307	Reconcile Basin Design/Air Permit	01/05/98	03/16/99	[Blue Bar]	Reconcile Basin Design/Air Permit		
1353	Start FEB Audit FY 99	06/30/99	06/30/99	Start FEB Audit FY 99			
1354	Start FEB Audit FY 00	06/30/00	06/30/00	Start FEB Audit FY 00			
1304	Prepare & Approve 100K SAR FY99 Update	04/27/00	05/11/01	[Blue Bar]	Prepare & Approve 100K SAR FY99 Update		
1332	DOE Approve 100K SAR - FY1999 Update	05/11/01	05/11/01	DOE Approve 100K SAR - FY1999 Update			
1355	Start FEB Audit FY 01	06/29/01	06/29/01	Start FEB Audit FY 01			
1356	Start FEB Audit FY 02	06/28/02	06/28/02	Start FEB Audit FY 02			
1357	Start FEB Audit FY 03	06/30/03	06/30/03	Start FEB Audit FY 03			
1358	Start FEB Audit FY 04	06/30/04	06/30/04	Start FEB Audit FY 04			
1359	Start FEB Audit FY 05	06/30/05	06/30/05	Start FEB Audit FY 05			
1299	Perform K-Basin Baseline Documentation	09/03/96	11/14/05	[Blue Bar]	Perform K-Basin Baseline Documentation		
1297	Perform K Basins Operations	10/01/96	12/12/05	[Blue Bar]	Perform K Basins Operations		
1298	Perform K Basins Maintenance	10/01/96	12/12/05	[Blue Bar]	Perform K Basins Maintenance		
1300	Perform K Basins Training	10/01/96	12/12/05	[Blue Bar]	Perform K Basins Training		
1301	Perform K Basins Management	10/01/96	12/12/05	[Blue Bar]	Perform K Basins Management		
<b>Design/Modify/Const Systems for Fuel Movement</b>							
		<b>04/30/96</b>	<b>12/13/05</b>	[White Bar]			
<i>K Basin Facility Projects</i>							
1559	CD3A Crane MOD Procurement	12/09/96	12/09/96	CD3A Crane MOD Procurement			
1558	Facility Mods Design	10/01/96	02/21/97	[Blue Bar]	Facility Mods Design		
1364	Cmpl K-Basins Essential Systems (Elec Upgr & MF)	03/31/97	03/31/97	Cmpl K-Basins Essential Systems (Elec Upgr & MF)			
1561	CD3B Crane MOD Construction	06/02/97	06/02/97	CD3B Crane MOD Construction			
1560	KW CTFM - Construction/Installation	10/01/96	09/30/97	[Blue Bar]	KW CTFM - Construction/Installation		
1362	Pot Water- CD-1/2 Cmpl: Start Definitive Design	04/27/98	04/27/98	Pot Water- CD-1/2 Cmpl: Start Definitive Design			
1554	Install KW Basin Crane Mods	07/01/97	07/13/98	[Blue Bar]	Install KW Basin Crane Mods		
1556	Prepare/Review CTFM SAD	04/16/98	08/20/98	[Blue Bar]	Prepare/Review CTFM SAD		
1361	CD3 - PWS Procure/Instl Pkgd Treatment Unit	08/21/98	08/21/98	CD3 - PWS Procure/Instl Pkgd Treatment Unit			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1552	CD3B for Cask Loadout	09/15/98	09/15/98		CD3B for Cask Loadout		
1565	DOE-RL Approve CTFM SAD	09/15/98	09/15/98		DOE-RL Approve CTFM SAD		
1360	Design/Install Essential Systems Recovery	10/01/96	11/30/98		Design/Install Essential Systems Recovery		
1363	Pot Water - CD-4 Cmpl: Start Operations	11/30/98	11/30/98		Pot Water - CD-4 Cmpl: Start Operations		
1302	Prep/Review/Submit 100 K Area FSAR	08/28/98	04/12/99		Prep/Review/Submit 100 K Area FSAR		
1351	Submit 100K FSAR to DOE-RL for Review & Approval	04/12/99	04/12/99		Submit 100K FSAR to DOE-RL for Review & Approval		
1329	100K Area FSAR DOE-RL Review	04/13/99	08/11/99		100K Area FSAR DOE-RL Review		
1330	100K FSAR Approved	08/11/99	08/11/99		100K FSAR Approved		
1557	62.3Demo/Fab/Install KW Transport Facility Mod	10/30/96	09/22/99		62.3Demo/Fab/Install KW Transport Facility Mod		
1562	(TPA) Cmpl KW Cask Facility Mods	09/22/99	09/22/99		(TPA) Cmpl KW Cask Facility Mods		
1563	KE CTFM - Install Pail Immersion Platform	11/11/99	11/11/99		KE CTFM - Install Pail Immersion Platform		
1303	Prepare & Approve 100K SAR KE IWTS	08/12/99	04/26/00		Prepare & Approve 100K SAR KE IWTS		
1331	DOE Approve 100K SAR KE IWTS	04/26/00	04/26/00		DOE Approve 100K SAR KE IWTS		
1553	Perform C/T Basin Mods Management	10/01/97	09/26/00		Perform C/T Basin Mods Management		
1555	Demo/Fab/Install KE Basin Transport Mods	02/12/99	09/26/00		Demo/Fab/Install KE Basin Transport Mods		
1564	(TPA) Cmpl KE Cask Facility Mods	09/26/00	09/26/00		(TPA) Cmpl KE Cask Facility Mods		
<b>Fuel Retrieval Project</b>							
1394	FRS - Prepare FRS Equipment/System Design	04/30/96	06/14/96		FRS - Prepare FRS Equipment/System Design		
1404	CD3-FRS Procurement Approval	10/08/96	10/08/96		CD3-FRS Procurement Approval		
1395	FRS - Complete FRS Equipment/System Design	11/15/96	11/15/96		FRS - Complete FRS Equipment/System Design		
1383	Design KW Facility Mods	10/01/96	09/26/97		Design KW Facility Mods		
1384	Design KE Facility Mods	11/04/96	09/26/97		Design KE Facility Mods		
1396	Cmpl KW FRS Facility Mods Design	09/26/97	09/26/97		Cmpl KW FRS Facility Mods Design		
1397	Cmpl KE FRS Facility Mods Design	09/26/97	09/26/97		Cmpl KE FRS Facility Mods Design		
1388	FRS Regulatory Compliance/SAD's	10/01/96	06/11/98		FRS Regulatory Compliance/SAD's		
1399	FRS - Issue Final FRS SAD (Transmit to DOE-RL)	06/11/98	06/11/98		FRS - Issue Final FRS SAD (Transmit to DOE-RL)		
1400	DOE-RL Review FRS SAD	06/12/98	08/25/98		DOE-RL Review FRS SAD		
1401	DOE-RL Approve FRS SAD	08/25/98	08/25/98		DOE-RL Approve FRS SAD		
1406	KW CD3B-FRS Installation	09/21/98	09/21/98		KW CD3B-FRS Installation		
1382	Demo/Install KW FRS Basin Mods	05/12/97	02/05/99		Demo/Install KW FRS Basin Mods		
1380	Perform FRS KW Manipulator Testing	10/01/96	04/29/99		Perform FRS KW Manipulator Testing		
1385	Procure/Fab KW/KE FRS Equipment	07/15/96	05/13/99		Procure/Fab KW/KE FRS Equipment		
1402	FRS - KW Inpool Process Equip Installation	10/01/98	07/07/99		FRS - KW Inpool Process Equip Installation		
1405	(TPA) Cmpl KW FRS Construction	07/07/99	07/07/99		(TPA) Cmpl KW FRS Construction		
1373	Perf KW Fuel Removal Pre Op Test	07/08/99	07/29/99		Perf KW Fuel Removal Pre Op Test		
1389	FRS Pre-Op Acceptance Test Complete	07/29/99	07/29/99		FRS Pre-Op Acceptance Test Complete		
1390	Start KW Fuel Removal Ops Test	07/29/99	07/29/99		Start KW Fuel Removal Ops Test		
1381	Perform FRS KE Manipulator Testing	04/30/99	07/30/99		Perform FRS KE Manipulator Testing		
1407	FRS CD3B - KE Installation	09/23/99	09/23/99		FRS CD3B - KE Installation		
1386	Demo/Install KE FRS Basin Mods	08/02/99	02/07/00		Demo/Install KE FRS Basin Mods		
1372	Perf KW Fuel Removal Ops Test/Certification	07/29/99	03/31/00		Perf KW Fuel Removal Ops Test/Certification		
1378	Perform FRS Title III Design	10/01/96	07/05/00		Perform FRS Title III Design		
1387	FRS - Reg Compliance Mgmt, QA & Safety Rvws	10/01/96	07/05/00		FRS - Reg Compliance Mgmt, QA & Safety Rvws		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1379	FRS- Procurement/Fab/Construction	10/07/96	07/05/00		FRS- Procurement/Fab/Construction		
1376	FRS Technical Baseline	12/02/96	07/05/00		FRS Technical Baseline		
1403	FRS - KE Inpool Process Equip Installation	10/01/99	07/05/00				
1398	(TPA) Cmpl KE FRS Construction	07/05/00	07/05/00		(TPA) Cmpl KE FRS Construction		
1377	Manage Fuel Retrieval System Acquisition	09/15/97	09/29/00		Manage Fuel Retrieval System Acquisition		
1371	Perform KW Fuel Remvl Staffing/Trng/Pre Start Op	10/01/96	11/29/00		Perform KW Fuel Remvl Staffing/Trng/Pre Start Op		
1374	Perf KE Basin Fuel Remvl Pre OP/OP Readiness	07/06/00	05/25/01				
<b>Water Treatment</b>							
1472	CD3 KW IWTS Procurement / Construction	11/05/97	11/05/97		CD3 KW IWTS Procurement / Construction		
1483	Prepare KW IWTS SAD	11/12/97	12/22/97		Prepare KW IWTS SAD		
1469	Partial KE IWTS Definitive Design	12/01/97	04/10/98		Partial KE IWTS Definitive Design		
1464	Prep/Review KW IWTS SAD	03/17/98	06/10/98		Prep/Review KW IWTS SAD		
1484	Transmit IWTS SAD to DOE-RL	06/11/98	06/11/98		Transmit IWTS SAD to DOE-RL		
1485	DOE-RL Review KW IWTS SAD	06/12/98	08/25/98		DOE-RL Review KW IWTS SAD		
1473	CD3B - KW IWTS CNSI Installation Approval	08/25/98	08/25/98		CD3B - KW IWTS CNSI Installation Approval		
1486	DOE-RL Approve IWTS SAD	08/25/98	08/25/98		DOE-RL Approve IWTS SAD		
1462	Procure KW IWTS System	11/05/97	09/18/98		Procure KW IWTS System		
1470	Complete KE IWTS Definitive Design	10/01/98	03/02/99		Complete KE IWTS Definitive Design		
1474	Cmpl IWTS KE Definitive Design	03/02/99	03/02/99		Cmpl IWTS KE Definitive Design		
1475	CD3A KE IWTS Procurement / Limited Construction	04/13/99	04/13/99		CD3A KE IWTS Procurement / Limited Construction		
1476	Install KW CNSI Equipment	10/01/98	05/21/99		Install KW CNSI Equipment		
1479	KW - CAT's	04/26/99	06/21/99		KW - CAT's		
1480	(TPA) Cmpl KW IWTS Constr / Installation	06/21/99	06/21/99		(TPA) Cmpl KW IWTS Constr / Installation		
1466	Perform KW IWTS Pre-Op/Ops Test	06/22/99	07/14/99		Perform KW IWTS Pre-Op/Ops Test		
1489	Perform KW IWTS Pre-Op Test	06/22/99	07/14/99		Perform KW IWTS Pre-Op Test		
1490	KW IWTS Pre-Op Acceptance Test Complete	07/14/99	07/14/99		KW IWTS Pre-Op Acceptance Test Complete		
1487	CD3B- KE IWTS Installation Approval	09/23/99	09/23/99		CD3B- KE IWTS Installation Approval		
1491	IWTS PAT Procedures & Testing FY99	10/01/98	09/30/99		IWTS PAT Procedures & Testing FY99		
1488	KE - Procure/Fab/Test IWTS Equipment	10/01/99	02/07/00		KE - Procure/Fab/Test IWTS Equipment		
1478	KE - IWTS Facility Modifications	10/01/99	05/22/00		KE - IWTS Facility Modifications		
1477	KE - IWTS Equipment Installation	01/05/00	09/11/00		KE - IWTS Equipment Installation		
1468	Regulatory Compliance & Safety Analysis	09/02/97	09/29/00		Regulatory Compliance & Safety Analysis		
1492	IWTS PAT Procedures & Testing FY00	10/01/99	09/29/00		IWTS PAT Procedures & Testing FY00		
1481	KE - IWTS CAT's	09/12/00	10/05/00		KE - IWTS CAT's		
1482	(TPA) Cmpl KE IWTS ATP	10/05/00	10/05/00		(TPA) Cmpl KE IWTS ATP		
1467	Perform KE IWTS Pre-Op/Ops Test	10/06/00	10/24/00		Perform KE IWTS Pre-Op/Ops Test		
1493	IWTS PAT Procedures & Testing FY01	10/02/00	09/28/01		IWTS PAT Procedures & Testing FY01		
<b>Debris Removal Project</b>							
1451	Submit DOE Apprvd Annual Rpt -Debris to Ecol/EPA	05/30/97	05/30/97		Submit DOE Apprvd Annual Rpt -Debris to Ecol/EPA		
1435	DOE Review Annual Rpt -Debris to Ecol/EPA	05/15/98	05/29/98		DOE Review Annual Rpt -Debris to Ecol/EPA		
1436	(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA	05/29/98	05/29/98		(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA		
1437	DOE Review Annual Rpt -Debris to Ecol/EPA	05/17/99	05/28/99		DOE Review Annual Rpt -Debris to Ecol/EPA		
1438	(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA	05/28/99	05/28/99		(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1439	DOE Review Annual Rpt -Debris to Ecol/EPA	05/17/00	05/31/00		DOE Review Annual Rpt -Debris to Ecol/EPA		
1440	(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA	05/31/00	05/31/00		(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA		
1430	Acquire KW Canister Cleaner	10/01/99	09/29/00		█ Acquire KW Canister Cleaner		
1429	Sludge Removal Support Systems Definition	10/01/99	04/02/01		█ Sludge Removal Support Systems Definition		
1427	Define KE General Debris Removal System	10/03/00	04/02/01		█ Define KE General Debris Removal System		
1452	CD2 DRS Definitive Design	04/02/01	04/02/01		CD2 DRS Definitive Design		
1441	DOE Review Annual Rpt -Debris to Ecol/EPA	05/17/01	05/31/01		DOE Review Annual Rpt -Debris to Ecol/EPA		
1442	(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA	05/31/01	05/31/01		(TPA) Submit DOE Apprvd Rpt Debris to Ecol/EPA		
1426	Perform KE/KW Rack Remvl Sys Definitive Design	04/03/01	04/30/02		█ Perform KE/KW Rack Remvl Sys Definitive Design		
1453	CD3 DRS Procurement/Construction	04/30/02	04/30/02		CD3 DRS Procurement/Construction		
1443	DOE Review Annual Rpt -Debris to Ecol/EPA	05/17/02	05/31/02		DOE Review Annual Rpt -Debris to Ecol/EPA		
1444	(TPA) Submit DOE Apprvd Debris Rpt to Ecol/EPA	05/31/02	05/31/02		(TPA) Submit DOE Apprvd Debris Rpt to Ecol/EPA		
1445	DOE Review Annual Rpt -Debris to Ecol/EPA	05/16/03	05/30/03		DOE Review Annual Rpt -Debris to Ecol/EPA		
1446	(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA	05/30/03	05/30/03		(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA		
1457	CD4 DRS Operations	09/30/03	09/30/03		CD4 DRS Operations		
1431	Procure/Fab/Install/SU KW Rack Removal System	05/01/02	10/31/03		█ Procure/Fab/Install/SU KW Rack Removal System		
1428	Procure/Fab/Install/SU KE Rack Removal System	10/01/02	10/31/03		█ Procure/Fab/Install/SU KE Rack Removal System		
1447	DOE Review Annual Rpt -Debris to Ecol/EPA	05/14/04	05/28/04		DOE Review Annual Rpt -Debris to Ecol/EPA		
1448	(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA	05/28/04	05/28/04		(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA		
1449	DOE Review Annual Rpt -Debris to Ecol/EPA	05/13/05	05/31/05		DOE Review Annual Rpt -Debris to Ecol/EPA		
1450	(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA	05/31/05	05/31/05		(TPA) Submit DOEApprvd Debris Rpt to Ecol/EPA		
1459	(TPA) Cmpl K Basin Debris Removal	12/13/05	12/13/05		(TPA) Cmpl K Basin Debris Removal		
<b>MCO Acquisition</b>							
1513	Perform MCO Testing Program	10/01/96	11/27/96	█ Perform MCO Testing Program			
1523	Approve MCO Topical/Design Report	10/01/96	12/30/96	█ Approve MCO Topical/Design Report			
1527	Appv MCO Topical/Design Rpt	12/30/96	12/30/96	Appv MCO Topical/Design Rpt			
1510	Bid/Award Initial MCO Order	11/18/96	04/30/97	█ Bid/Award initial MCO Order			
1508	Prepare MCO Phase II Design	10/01/96	05/23/97	█ Prepare MCO Phase II Design			
1517	Cmpl MCO Design	05/23/97	05/23/97	Cmpl MCO Design			
1526	Redesign Scrap Baskets/Thermal & Criticality Mod	05/28/97	09/29/97	█ Redesign Scrap Baskets/Thermal & Criticality Mod			
1509	MCO Design Support	10/01/96	09/30/97	█ MCO Design Support			
1518	Perf. MCO Design Sppt	10/01/96	09/30/97	█ Perf. MCO Design Sppt			
1516	MCO F&Rs / Performance Spec Updates	01/02/97	09/30/97	█ MCO F&Rs / Performance Spec Updates			
1529	Cmpl MCO Design and Approve Procurement	09/30/97	09/30/97	Cmpl MCO Design and Approve Procurement			
1506	Prepare MCO Topical Report	10/01/96	11/05/98	█ Prepare MCO Topical Report			
1524	Submit MCO Topical to DOE RL	11/05/98	11/05/98	Submit MCO Topical to DOE RL			
1520	Fab 1st 3 Test MCO's	10/01/97	01/29/99	█ Fab 1st 3 Test MCO's			
1521	Cmpl Fab & Delivery of First Shipment of MCO	01/29/99	01/29/99	Cmpl Fab & Delivery of First Shipment of MCO			
1514	DOE Review MCO Topical Report	11/06/98	02/11/99	█ DOE Review MCO Topical Report			
1519	MCO's Available for Operations	02/11/99	02/11/99	MCO's Available for Operations			
1525	RL Approval of MCO Topical	02/11/99	02/11/99	RL Approval of MCO Topical			
1528	CD3-MCO Fabrication Appr	02/26/99	02/26/99	CD3-MCO Fabrication Appr			
1515	MCO Topical Report Review/Approval	10/01/96	05/14/99	█ MCO Topical Report Review/Approval			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1511	Design & Fab MCO Closure Tool	02/17/98	09/30/99		Design & Fab MCO Closure Tool		
1507	Title III Design Agent Support	10/01/97	09/30/02		Title III Design Agent Support		
1505	Fab/Deliver Remaining MCO's & Baskets	04/03/00	09/30/02		Fab/Deliver Remaining MCO's & Baskets		
1522	Cmpl Fab & Delivery of MCO's & Baskets	09/30/02	09/30/02		Cmpl Fab & Delivery of MCO's & Baskets		
1512	Receipt, Inspection, Storage of MCO's	02/01/99	04/29/03		Receipt, Inspection, Storage of MCO's		
1504	Manage MCO Acquisition	10/01/96	08/29/03		Manage MCO Acquisition		
<b>Cask/ Transportation System</b>							
1549	CD3-Cask/Trans Fabrication Appr	12/16/96	12/16/96		CD3-Cask/Trans Fabrication Appr		
1534	Final Design	10/01/96	01/15/97		Final Design		
1550	Complete Cask/Transport Design	01/22/97	01/22/97		Complete Cask/Transport Design		
1541	Final SARP	10/01/96	03/11/97		Final SARP		
1551	SARP-Cask/Trans Submittal	03/11/97	03/11/97		SARP-Cask/Trans Submittal		
1537	Fab 1st Cask/Conveyance/Pail System Order	01/10/97	07/15/97		Fab 1st Cask/Conveyance/Pail System Order		
1543	Provide Basin Cask Loadout Mods Tech Support	10/30/96	08/14/97		Provide Basin Cask Loadout Mods Tech Support		
1547	Cmpl Cask/Trans Delivery of 1st Set of 2	08/15/97	08/15/97		Cmpl Cask/Trans Delivery of 1st Set of 2		
1533	Design MCO Loading System	10/01/96	09/12/97		Design MCO Loading System		
1536	Procure Cask Forged Components	10/01/96	09/15/97		Procure Cask Forged Components		
1538	Fabricate 1st Cask/Conveyance/Pail System Order	01/10/97	09/19/97		Fabricate 1st Cask/Conveyance/Pail System Order		
1546	MLS Design Support	10/01/96	09/30/97		MLS Design Support		
1540	Award/Fabricate KW MCO Loading System	08/18/97	08/24/98		Award/Fabricate KW MCO Loading System		
1548	Complete Fabrication of KW MCO Loading System	08/24/98	08/24/98		Complete Fabrication of KW MCO Loading System		
1535	Provide Cask Fabrication Technical Support	10/01/96	09/15/98		Provide Cask Fabrication Technical Support		
1539	Fabricate/Accept Final Cask Delivery	11/07/97	09/15/98		Fabricate/Accept Final Cask Delivery		
1544	Cmpl Cask/Trans Fab & Delivery	09/15/98	09/15/98		Cmpl Cask/Trans Fab & Delivery		
1542	Maintain SARP Updates	06/23/97	12/01/98		Maintain SARP Updates		
1530	Cask/Transportation Project Mgmt	10/01/96	06/30/99		Cask/Transportation Project Mgmt		
1545	Perform KW MCO/Cask Loadout Pre-Op Test	10/01/99	10/21/99		Perform KW MCO/Cask Loadout Pre-Op Test		
<b>K Basin Cold Vacuum Facility</b>							
1650	CVD Prototype Procd/Fab and Equipment Testing	10/01/96	04/04/97		CVD Prototype Procd/Fab and Equipment Testing		
1648	CD3A-CVD Const Approval	04/24/97	04/24/97		CD3A-CVD Const Approval		
1639	Prepare/Review/Approve CVD Air Permits	10/01/96	06/19/97		Prepare/Review/Approve CVD Air Permits		
1665	Complete CVD Phase II DOH Air Permit Approval	06/19/97	06/19/97		Complete CVD Phase II DOH Air Permit Approval		
1631	Complete CVD Definitive Design	10/01/96	02/04/98		Complete CVD Definitive Design		
1649	Complt Definitive Design Rprt for the CVD System	02/04/98	02/04/98		Complt Definitive Design Rprt for the CVD System		
1666	Submit CVD Phase 2 SAR to DOE	02/11/98	02/11/98		Submit CVD Phase 2 SAR to DOE		
1667	DOE-RL Rev CVD Phase 2 SAR	02/12/98	03/02/98		DOE-RL Rev CVD Phase 2 SAR		
1641	Prepare CVD Phase 2 SAR	02/03/97	06/19/98		Prepare CVD Phase 2 SAR		
1669	Submit Revised CVD Phase 2 SAR	06/19/98	06/19/98		Submit Revised CVD Phase 2 SAR		
1651	CVD Design Inputs For Procurement	03/09/98	07/07/98		CVD Design Inputs For Procurement		
1632	Perfrm CVD Technical Basis Closure (Therm Anly)	04/25/97	07/15/98		Perfrm CVD Technical Basis Closure (Therm Anly)		
1655	CVD Design Validation Complete	08/20/98	08/20/98		CVD Design Validation Complete		
1642	DOE Review Revised CVD Phase 2 SAR	06/22/98	09/15/98		DOE Review Revised CVD Phase 2 SAR		
1668	CVD SAR (Phase 2) Approval	09/15/98	09/15/98		CVD SAR (Phase 2) Approval		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1654	CVD 1st Article Mock up 306 Bldng Testing	09/12/97	09/18/98		CVD 1st Article Mock up 306 Bldng Testing		
1664	Complete CVD 1st Article Testing	09/18/98	09/18/98		Complete CVD 1st Article Testing		
1652	Complete CVD Equip. Procurement Packages	07/07/98	10/30/98		Complete CVD Equip. Procurement Packages		
1653	CD3B-CVD Equipmnt Installation Approval	11/06/98	11/06/98		CD3B-CVD Equipmnt Installation Approval		
1670	Prepare CVD Final SAR	08/04/98	12/18/98		Prepare CVD Final SAR		
1640	Prepare CVD 100 K Basin SAR Input	09/03/96	02/11/99		Prepare CVD 100 K Basin SAR Input		
1636	Construct CVD Facility	01/21/97	03/10/99		Construct CVD Facility		
1643	CVD OAC 1-Const/Const Accept Test (CAT) Complete	03/10/99	03/10/99		CVD OAC 1-Const/Const Accept Test (CAT) Complete		
1671	Perform CVD FSAR Internal Reviews	12/21/98	03/11/99		Perform CVD FSAR Internal Reviews		
1672	Submit CVD FSAR to DOE	03/11/99	03/11/99		Submit CVD FSAR to DOE		
1656	CVD Vacuum Process Sys (VPS)- Procuremnt #2	10/01/98	04/29/99		CVD Vacuum Process Sys (VPS)- Procuremnt #2		
1660	CVD Safety Class Instrumentation Procuremnt FY99	10/01/98	04/29/99		CVD Safety Class Instrumentation Procuremnt FY99		
1661	CVD Facility PAT (Pre Op Accept Tests)	03/11/99	05/12/99		CVD Facility PAT (Pre Op Accept Tests)		
1659	CVD Facility PAT's Complete	05/12/99	05/12/99		CVD Facility PAT's Complete		
1658	CVD Safety Class Helium Procurement FY99	10/01/98	05/13/99		CVD Safety Class Helium Procurement FY99		
1673	DOE-RL Review CVD FSAR	03/12/99	06/25/99		DOE-RL Review CVD FSAR		
1674	CVD FSAR Approval	06/25/99	06/25/99		CVD FSAR Approval		
1634	CVD Process Equipment Procurement	10/01/98	07/09/99		CVD Process Equipment Procurement		
1633	Perform CVD Title III/Construction Management	08/01/96	07/31/99		Perform CVD Title III/Construction Management		
1635	CVD Process Equip Install-1st 2 Bays	03/11/99	08/27/99		CVD Process Equip Install-1st 2 Bays		
1630	Manage CVD System Acquisition	10/01/96	09/30/99		Manage CVD System Acquisition		
1644	Perform CVD Process Eqpt Pre Op Test/Eqpt Repair	08/09/99	10/22/99		Perform CVD Process Eqpt Pre Op Test/Eqpt Repair		
1645	CVD OAC 2 - Pre Op Test Complt-1st 2 Bays	10/22/99	10/22/99		CVD OAC 2 - Pre Op Test Complt-1st 2 Bays		
1657	(TPA) Cmpltd CVD Construct/Accept Test 1st 2 Bays	10/22/99	10/22/99		(TPA) Cmpltd CVD Construct/Accept Test 1st 2 Bays		
1662	CVD VPS- Procurement - 3 & 4 FY00	10/01/99	04/28/00		CVD VPS- Procurement - 3 & 4 FY00		
1628	CVD Operations Testing	10/25/99	05/08/00		CVD Operations Testing		
1638	Perform CVD Regulatory Compliance	10/01/97	05/30/00		Perform CVD Regulatory Compliance		
1637	CVD Process Equipment Installation-2nd 2 Bays	05/01/00	06/12/00		CVD Process Equipment Installation-2nd 2 Bays		
1663	CVD Perform Process Equipment PAT-2nd 2 Bays	06/06/00	07/05/00		CVD Perform Process Equipment PAT-2nd 2 Bays		
1647	CVD 2nd 2 Bay's PAT Complete (to ORR)	07/05/00	07/05/00		CVD 2nd 2 Bay's PAT Complete (to ORR)		
1627	Perform CVD Staffing/Training/Pre-Start Ops	10/10/96	11/30/00		Perform CVD Staffing/Training/Pre-Start Ops		
1646	Perform CVD Post SU Validation Testing	11/30/00	03/02/01		Perform CVD Post SU Validation Testing		
<b>Operate SNF Removal Systems</b>		<b>10/01/96</b>	<b>12/13/05</b>				
<i>Debris Removal Project</i>							
1454*	KE Can - Clean 1400 Empty Canisters Ops	10/01/96	09/10/97		* KE Can - Clean 1400 Empty Canisters Ops		
1455	Cmpl KE Empty Canister & South Load out Pit	09/26/97	09/26/97		Cmpl KE Empty Canister & South Load out Pit		
1456	(TPA) Start K-West Canister Cleaning Operations	12/29/00	12/29/00		(TPA) Start K-West Canister Cleaning Operations		
1460	Spent IXC Disposition (FY-01)	10/02/00	09/28/01		Spent IXC Disposition (FY-01)		
1432	Perform KE/KW Canister Cleaning	12/29/00	09/30/03		Perform KE/KW Canister Cleaning		
1433	Perform KE Basin Rack Removal Ops	12/01/03	12/31/04		Perform KE Basin Rack Removal Ops		
1434	Perform KW Basin Rack Removal Ops	12/01/03	12/31/04		Perform KW Basin Rack Removal Ops		
1458	Perform Removal Remaining Debris K East Basin	01/04/05	12/13/05		Perform Removal Remaining Debris K East Basin		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>SNF Fuel Relocation Common Operations</b>							
1312	Cmpl & Issue Preliminary MSA Plan	10/16/97	10/16/97		Cmpl & Issue Preliminary MSA Plan		
1313	Cmpl & Issue Final MSA Plan	02/12/98	02/12/98		Cmpl & Issue Final MSA Plan		
1391	Basin FR Procedures Under Change Control	07/28/99	07/28/99		Basin FR Procedures Under Change Control		
1315	SAS Audits/Inspections	02/01/00	03/02/00		SAS Audits/Inspections		
1316	Complete SAS Audits/Inspections	03/02/00	03/02/00		Complete SAS Audits/Inspections		
1532	Perf Cask Loadout Ops Test/Certification	04/05/99	04/04/00		Perf Cask Loadout Ops Test/Certification		
1314	Meet MSA Criteria	02/10/98	05/08/00		Meet MSA Criteria		
1317	Perform MSA	05/09/00	06/07/00		Perform MSA		
1318	Perform MSA Corrective Actions	06/08/00	07/10/00		Perform MSA Corrective Actions		
1319	Line Mgmt Readiness to Relocate Fuel Declared	07/10/00	07/10/00		Line Mgmt Readiness to Relocate Fuel Declared		
1320	Perform Indep. Contr. Fuel Relocation ORR	07/11/00	08/08/00		Perform Indep. Contr. Fuel Relocation ORR		
1321	Perform Contr ORR Corrective Actions	08/09/00	09/07/00		Perform Contr ORR Corrective Actions		
1322	Cmpl SNFP Contractor Operational Readiness Rev	09/07/00	09/07/00		Cmpl SNFP Contractor Operational Readiness Rev		
1365	Cold Test Facility Utilization	10/01/96	09/29/00		Cold Test Facility Utilization		
1323	Perform DOE Fuel Relocation ORR	09/15/00	10/13/00		Perform DOE Fuel Relocation ORR		
1531	Perf Cask/Transport Procedures/Train	02/03/97	11/13/00		Perf Cask/Transport Procedures/Train		
1324	Perform DOE ORR Corrective Actions	10/16/00	11/13/00		Perform DOE ORR Corrective Actions		
1325	DOE ORR Report Issued	11/13/00	11/13/00		DOE ORR Report Issued		
1326	K West Fuel Movement Authorization	11/14/00	11/29/00		K West Fuel Movement Authorization		
1327	CD4 - FMO KW (CSB/CVD/FRS KW/MCO/Crane Mods)	11/30/00	11/30/00		CD4 - FMO KW (CSB/CVD/FRS KW/MCO/Crane Mods)		
1328	Cmpl Authorization Agreement Signing	11/30/00	11/30/00		Cmpl Authorization Agreement Signing		
1392	Start KW Fuel Removal Operations	11/30/00	11/30/00		Start KW Fuel Removal Operations		
1342	SNF Fuel Relocate Process Validation (1 MCO, KW)	11/30/00	01/04/01		SNF Fuel Relocate Process Validation (1 MCO, KW)		
1375	Prep KE Basin Fuel Removal Staff/Train/Test	10/01/99	02/28/01		Prep KE Basin Fuel Removal Staff/Train/Test		
1571	Weld Station MSA/DOE RA	10/18/00	03/21/01		Weld Station MSA/DOE RA		
1308	Perf Fuel Relocation KE Staff/Proced/Train	05/03/99	05/02/01		Perf Fuel Relocation KE Staff/Proced/Train		
1393	CD4A Fuel Move Operations (KE)	05/29/01	05/29/01		CD4A Fuel Move Operations (KE)		
1343	Fuel Relocate Process Validation (1 MCO/WK, KW)	01/05/01	05/30/01		Fuel Relocate Process Validation (1 MCO/WK, KW)		
1346	Fuel Relocate Process Validation (1 MCO/WK, KE)	05/31/01	08/01/01		Fuel Relocate Process Validation (1 MCO/WK, KE)		
1344	KW Fuel Relocation Operations (1 MCO/2 Days)	05/31/01	06/30/03		KW Fuel Relocation Operations (1 MCO/2 Days)		
1345	(TPA) Complete KW Fuel Removal	06/30/03	06/30/03		(TPA) Complete KW Fuel Removal		
1347	KE Fuel Relocation Operations (1 MCO/2 Days)	08/02/01	08/29/03		KE Fuel Relocation Operations (1 MCO/2 Days)		
1348	(TPA) Complete K Basin Fuel Relocation	08/29/03	08/29/03		(TPA) Complete K Basin Fuel Relocation		
1349	Maintain Basin Removal/CVD Capability	09/02/03	05/03/05		Maintain Basin Removal/CVD Capability		
1350	Prep/Ship KE Found Fuel to CSB	05/04/05	09/01/05		Prep/Ship KE Found Fuel to CSB		
<b>K Basin Cold Vacuum Facility - (Operations)</b>							
1629	CVD Operations	11/30/00	08/28/03		CVD Operations		
<b>Design/Modify/Construct Sludge Removal System</b>							
		<b>12/01/97</b>	<b>07/15/04</b>				
<b>Sludge Removal Project</b>							
1410	Acquire Sludge System KE Floor Retrieval Equip	12/01/97	03/07/01		Acquire Sludge System KE Floor Retrieval Equip		
1411	Acquire KW Sludge Loadout System	10/02/00	08/28/03		Acquire KW Sludge Loadout System		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1409	Acquire KE Sludge Loadout System	10/02/00	04/30/04			Acquire KE Sludge Loadout System	
<b>Sludge Treatment Project</b>							
1502	Trtmnt Dev - Prepare Process Flow Diagram	08/05/98	08/05/98		Trtmnt Dev - Prepare Process Flow Diagram		
1495	TWRS - Revise CSER	03/30/98	09/30/99		TWRS - Revise CSER		
1497	Sludge Treatment System Development	03/30/98	09/29/00		Sludge Treatment System Development		
1503	Trt Procure/Fab - Perform Definitive Dsn	10/02/00	10/01/01		Trt Procure/Fab - Perform Definitive Dsn		
1496	TWRS - Prepare Safety Analysis Document (SAD)	10/01/99	07/15/02		TWRS - Prepare Safety Analysis Document (SAD)		
1498	Sludge Treatment System Procure/Fabricate	10/02/01	03/26/03		Sludge Treatment System Procure/Fabricate		
1494	Acquire Sludge Treatment Sys Transport Package	10/16/00	07/28/03		Acquire Sludge Treatment Sys Transport Package		
1501	(TPA) Cmpl Final Safety Basis for Sludge Xfer	08/29/03	08/29/03		(TPA) Cmpl Final Safety Basis for Sludge Xfer		
1499	Sludge Trtmnt System Installations	08/29/03	05/03/04		Sludge Trtmnt System Installations		
1500	Acquire Sludge Sys Offload Fac at TWRS	07/16/01	07/15/04		Acquire Sludge Sys Offload Fac at TWRS		
<b>Operate &amp; Maintain Sludge Removal System</b>							
		<b>04/30/01</b>	<b>12/13/05</b>				
<b>Sludge Retrieval Removal Project</b>							
1412	Perform Sludge Transfer System ORR	07/16/04	08/26/04			Perform Sludge Transfer System ORR	
1422	Compl ORR - Sludge Xfer from K-Basins	08/26/04	08/26/04			Compl ORR - Sludge Xfer from K-Basins	
1423	(TPA) Start Sludge Transfer to Treatment System	08/27/04	08/27/04			(TPA) Start Sludge Transfer to Treatment System	
1413	Perform KE Basin Sludge Retrieval Operations	04/30/01	12/31/04		Perform KE Basin Sludge Retrieval Operations		
1414	Perform KW Basin Sludge Removal Operations	08/27/04	05/16/05			Perform KW Basin Sludge Removal Operations	
1415	KE Sludge Removal/Treatment/Transfer to TWRS	01/04/05	12/13/05			KE Sludge Removal/Treatment/Transfer to TWRS	
1424	(TPA) Cmpl Sludge Removal From K Basins	12/13/05	12/13/05			(TPA) Cmpl Sludge Removal From K Basins	
<b>Transition 100 K Area Facilities</b>							
		<b>10/01/01</b>	<b>03/31/08</b>				
<b>Transition 100 K Area Facilities</b>							
1678	Transition Deactivation Planning	10/01/01	08/29/03		Transition Deactivation Planning		
1675	KW/KE Remove Equipment/Clean Walls	09/02/03	03/30/06		KW/KE Remove Equipment/Clean Walls		
1683	Deactivate CVD Facility	10/03/05	10/31/06		Deactivate CVD Facility		
1677	Complete Remaining Systems Deactivation/Cover KE	01/31/07	03/31/08		Complete Remaining Systems Deactivation/Cover KE		
1684	(TPA) Cmpl Fuel/Sludge/Debris/Water Removal	03/31/08	03/31/08			(TPA) Cmpl Fuel/Sludge/Debris/Water Removal	
1685	Transfer K Basins to ER	03/31/08	03/31/08			Transfer K Basins to ER	
<b>Water Removal Project</b>							
1339	KE Design-Procure Equip for Tritium Reduct Proj	03/31/03	09/25/03		KE Design-Procure Equip for Tritium Reduct Proj		
1340	(TPA) Start Tritium Level Reduction in KE Basin	09/30/03	09/30/03			(TPA) Start Tritium Level Reduction in KE Basin	
1311	Perform Tritium Level Reductions in K-East Basin	09/30/03	03/28/05		Perform Tritium Level Reductions in K-East Basin		
1341	(TPA) Cmpl Reducing Tritium Concentration in KE	03/28/05	03/28/05			(TPA) Cmpl Reducing Tritium Concentration in KE	
1679	(TPA) Start KW Basin Water Removal	01/31/06	01/31/06			(TPA) Start KW Basin Water Removal	
1681	(TPA) Start KE Water Removal	03/31/06	03/31/06			(TPA) Start KE Water Removal	
1680	(TPA) Complete KW Basin Water Removal	01/30/07	01/30/07			(TPA) Complete KW Basin Water Removal	
1676	KW/KE Remove Basin Water	01/31/06	09/27/07		KW/KE Remove Basin Water		
1682	(TPA) Complete KE Water Removal	09/27/07	09/27/07			(TPA) Complete KE Water Removal	
<b>Hanford - EM Canister Storage Building</b>							
		<b>10/01/96</b>	<b>10/24/07</b>				
<b>Design/Construct Canister Storage Building</b>							



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>Canister Storage Building Facility</b>		<b>10/01/96</b>	<b>06/04/01</b>				
1606	CD3B-CSB Systems Installation	10/31/97	10/31/97	CD3B-CSB Systems Installation			
1610	CSB Support Building	12/11/96	01/12/98	█ CSB Support Building			
1576	Install CSB Systems	10/20/97	01/12/98	█ Install CSB Systems			
1580	Accept CSB Systems Construction	11/03/97	01/13/98	█ Accept CSB Systems Construction			
1611	Canister Storage Facility complete Except MHM	01/14/98	01/14/98	Canister Storage Facility complete Except MHM			
1625	Sampling Station Detail Design	02/10/98	05/29/98	█ Sampling Station Detail Design			
1626	Review Sampling Station Detail Design	06/01/98	07/03/98	█ Review Sampling Station Detail Design			
1586	Design CSB MCO Handling Machine	11/07/96	08/21/98	█ Design CSB MCO Handling Machine			
1621	Procurement Placement - Weld Statn Detail Design	08/10/98	09/04/98	█ Procurement Placement - Weld Statn Detail Design			
1588	Fabricate/Deliver CSB MCO Handling Machine	11/07/96	09/30/98	█ Fabricate/Deliver CSB MCO Handling Machine			
1622	Welding Station Detail Design	09/15/98	01/05/99	█ Welding Station Detail Design			
1623	Review Welding Station Detail Design	01/06/99	02/04/99	█ Review Welding Station Detail Design			
1624	Welding Station Procurement/Award Contract	02/05/99	03/31/99	█ Welding Station Procurement/Award Contract			
1589	Install/ATP CSB MCO Handling Machine	10/02/97	04/01/99	█ Install/ATP CSB MCO Handling Machine			
1619	Complete MCO Handling Machine Installation	04/01/99	04/01/99	Complete MCO Handling Machine Installation			
1577	Procure/Fab/Install Tubes	10/01/96	05/20/99	█ Procure/Fab/Install Tubes			
1594	Perform CSB Pre Op Test (All except MHM)	04/20/98	05/20/99	█ Perform CSB Pre Op Test (All except MHM)			
1607	CSB Install Insulating Concrete	10/01/98	05/28/99	█ CSB Install Insulating Concrete			
1618	Perform PAT on MHM	04/16/99	06/22/99	█ Perform PAT on MHM			
1595	CSB Pre Op Acceptance Test Complete	06/22/99	06/22/99	CSB Pre Op Acceptance Test Complete			
1591	Procure/Install CSB MCO Sample Station	10/19/98	09/01/99	█ Procure/Install CSB MCO Sample Station			
1590	Welding Station Fab/Install/Test	04/15/99	09/28/99	█ Welding Station Fab/Install/Test			
1596	Perform Weld Station Startup/Testing	09/29/99	11/01/99	█ Perform Weld Station Startup/Testing			
1566	Perform CSB Staffing/Trng/Pre-Start Operations	10/01/96	03/10/00	█ Perform CSB Staffing/Trng/Pre-Start Operations			
1568	Perform CSB Op Test/Certification	06/23/99	03/20/00	█ Perform CSB Op Test/Certification			
1578	Fab/Install Plugs/Impact Absorbers	07/08/97	05/01/00	█ Fab/Install Plugs/Impact Absorbers			
1597	Perform Weld Station Dry Runs/Training/Maint	11/02/99	10/17/00	█ Perform Weld Station Dry Runs/Training/Maint			
1592	Perform CSB Post SU Validaton Testing	11/30/00	04/03/01	█ Perform CSB Post SU Validaton Testing			
1593	Evaluate CSB Process Validaton Data	04/04/01	06/01/01	█ Evaluate CSB Process Validaton Data			
1598	Authorize Weld Station Operations Start	06/04/01	06/04/01	Authorize Weld Station Operations Start			
<b>Store Defense Production Reactor SNF</b>		<b>11/30/00</b>	<b>10/24/07</b>				
<b>Canister Storage Building Facility</b>							
1570	Conduct CSB Opns During Staging & MCO Welding	11/30/00	09/30/03	█ Conduct CSB Opns During Staging & MCO Welding			
1599	Operate Weld Station Process	06/04/01	09/30/03	█ Operate Weld Station Process			
1600	Operate CSB During Dry Storage	10/01/03	04/30/04	█ Operate CSB During Dry Storage			
1569	Perf CSB Operations During Interim Storage	05/03/04	05/03/04	▶ Perf CSB Operations During Interim Storage			
1601	Turnover Operations (WM02)	05/03/04	05/03/04	Turnover Operations (WM02)			
1602	Operate CSB During Dry Storage (WM02)	05/03/04	10/24/07	█ Operate CSB During Dry Storage (WM02)			
<b>Hanford - EM 200 Area ISA</b>		<b>10/01/96</b>	<b>11/08/17</b>				
<b>Design/ Construct 200 Area Interim Storage Area</b>							



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>Implement Site Wide Interim Storage 200 Area</b>		<b>06/26/97</b>	<b>09/30/98</b>				
<i>Site Wide SNF Projects</i>							
1710	Define 200 Area ISA	06/26/97	01/22/98	█	Define 200 Area ISA		
1716	Design CSB Fuel Storage Pad	01/23/98	04/24/98	█	Design CSB Fuel Storage Pad		
1717	Construct 200 Area ISA Storage Pad	04/30/98	09/30/98	█	Construct 200 Area ISA Storage Pad		
1720	Complete Construction - 200 Area ISA Storage Pad	09/30/98	09/30/98		Complete Construction - 200 Area ISA Storage Pad		
<b>Implement Site Wide Interim Storage 200 Area</b>		<b>10/01/96</b>	<b>11/08/17</b>				
<i>Site Wide SNF Projects</i>							
1693	Develop SNF Site Wide Management Plan	10/01/96	09/30/97	█	Develop SNF Site Wide Management Plan		
1694	Evaluate PNNL Fuel Technical Issues	10/01/96	09/30/97	█	Evaluate PNNL Fuel Technical Issues		
1695	Complete Other SNF Fuel PMP	09/30/97	09/30/97		Complete Other SNF Fuel PMP		
1706	SAR, 200 Area ISA LWR Storage Approval	09/30/99	09/30/99		SAR, 200 Area ISA LWR Storage Approval		
1718	SAR, FFTF SNF 200 Area ISA Approval	09/30/99	09/30/99		SAR, FFTF SNF 200 Area ISA Approval		
1721	Prepare LWR Fuel Move/ Compliance Readiness	10/01/98	09/29/00	█	Prepare LWR Fuel Move/ Compliance Readiness		
1711	Prep Doc/Traing-NRF TRIGA SNF Move to 200A ISA	03/15/00	09/29/00		█	Prep Doc/Traing-NRF TRIGA SNF Move to 200A ISA	
1719	Start Transfer of FFTF SNF to 200A ISA	04/02/01	04/02/01			Start Transfer of FFTF SNF to 200A ISA	
1713	Start Transfer of NRF TRIGA SNF to 200A ISA	04/03/01	04/03/01			Start Transfer of NRF TRIGA SNF to 200A ISA	
1687	T-Plant Fuel Move Compliance/Readiness	10/01/96	09/28/01	█	T-Plant Fuel Move Compliance/Readiness		
1696	Manage 308 Fuel Move to 200A ISA	10/01/96	09/28/01	█	Manage 308 Fuel Move to 200A ISA		
1722	Manage NRF TRIGA SNF Move to 200A ISA	10/01/97	09/28/01	█	Manage NRF TRIGA SNF Move to 200A ISA		
1689	Acquire PWR Core 2 SNF Canister & Equipment	10/01/98	09/28/01		█	Acquire PWR Core 2 SNF Canister & Equipment	
1712	Prep Doc/Traing-NRF TRIGA SNF Move to 200A ISA	10/02/00	09/28/01		█	Prep Doc/Traing-NRF TRIGA SNF Move to 200A ISA	
1714	Transport NRF TRIGA SNF to 200A ISA	04/03/01	09/28/01		█	Transport NRF TRIGA SNF to 200A ISA	
1690	Receive PWR Core 2 SNF Canisters	09/28/01	09/28/01			Receive PWR Core 2 SNF Canisters	
1715	Complete NRF TRIGA SNF Move to 200A ISA	09/28/01	09/28/01			Complete NRF TRIGA SNF Move to 200A ISA	
1691	Transfer PWR Core 2 SNF to CSB	10/03/01	02/14/02		█	Transfer PWR Core 2 SNF to CSB	
1688	Acquire/Manage T-Plant Fuel Move to CSB	10/01/98	07/01/02		█	Acquire/Manage T-Plant Fuel Move to CSB	
1707	Start Transfer of LWR Fuel to 200A ISA	07/01/02	07/01/02			Start Transfer of LWR Fuel to 200A ISA	
1708	Transfer LWR Fuel to 200A ISA	07/01/02	08/30/02		█	Transfer LWR Fuel to 200A ISA	
1723	Acquire/Manage FFTF Fuel Move to 200A ISA	06/01/98	09/30/02		█	Acquire/Manage FFTF Fuel Move to 200A ISA	
1700	Manage Transloading Activ./ Compliance Readiness	10/02/00	09/30/02		█	Manage Transloading Activ./ Compliance Readiness	
1724	Transfer FFTF Fuel to 200A ISA	04/02/01	09/30/02		█	Transfer FFTF Fuel to 200A ISA	
1692	Store PWR Core 2 SNF at Canister Storage Bldg	02/15/02	09/30/02		█	Store PWR Core 2 SNF at Canister Storage Bldg	
1698	FFTF Fuel	10/01/96	09/30/03	█	FFTF Fuel		
1705	Maintain Tech Interface w/PFP Fuel	12/02/96	09/30/03	█	Maintain Tech Interface w/PFP Fuel		
1704	Modify Canister Strg Bldg for Transloading	04/01/03	09/30/03		█	Modify Canister Strg Bldg for Transloading	
1703	SAR, FFTF SNF Transloading Approval	04/01/04	04/01/04			SAR, FFTF SNF Transloading Approval	
1701	Modify Canister Strg Bldg for Transloading	10/01/03	09/30/04		█	Modify Canister Strg Bldg for Transloading	
1702	Transload Sodium-Bonded FFTF SNF	10/01/04	06/30/05		█	Transload Sodium-Bonded FFTF SNF	
1686	Design Repackaging Cell for CSB	10/01/04	09/30/05		█	Design Repackaging Cell for CSB	
1697	308 Annex	10/01/96	09/30/15	█			
1725	Maintain TRIGA SNF at 200A ISA	10/01/01	09/30/15		█		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1699	Maintain FFTF Fuel to 200A ISA	04/02/01	11/08/17				
<b>Operate &amp; Maintain 200 Area ISA</b>		<b>07/01/02</b>	<b>09/29/16</b>				
<i>Site Wide SNF Projects</i>							
1709	Store LWR Fuel at 200A ISA (FY02)	07/01/02	09/30/02		■ Store LWR Fuel at 200A ISA (FY02)		
1726	Store LWR Fuel at 200A ISA	07/01/02	09/29/16				
<b>Hanford - EM Canister Storage Building Operations</b>		<b>01/23/98</b>	<b>08/16/99</b>				
<b>Maintain Safe &amp; Compliant CSB in CP Areas</b>		<b>01/23/98</b>	<b>08/16/99</b>				
<i>Maintain Safe &amp; Compliant CSB in CP Areas</i>							
1583	Prepare CSB FSAR	01/23/98	11/30/98		■ Prepare CSB FSAR		
1613	Conduct CSB FSAR Internal Review	12/01/98	02/11/99		■ Conduct CSB FSAR Internal Review		
1614	CSB FSAR Submittal	02/11/99	02/11/99		CSB FSAR Submittal		
1584	DOE Review CSB FSAR	02/12/99	05/14/99		■ DOE Review CSB FSAR		
1615	CSB FSAR Approval	05/14/99	05/14/99		CSB FSAR Approval		
1616	Submit Weld Station Addendum to DOE	05/19/99	05/19/99		Submit Weld Station Addendum to DOE		
1617	DOE Approval Weld Station Addendum	08/16/99	08/16/99		DOE Approval Weld Station Addendum		
<b>Idaho National Engineering and Environmental Lab (INEEL)</b>		<b>10/01/97</b>	<b>01/22/35</b>				
<b>INEEL Overall Activities</b>		<b>10/01/97</b>	<b>12/22/34</b>				
<i>~</i>							
903	Provide a Semi Annual Report to State of ID (Jun & Dec)	06/26/98	06/26/98		▶ Provide a Semi Annual Report to State of ID (Jun & Dec)		
760	Fuel Summary Reports (FSR) - #1	10/01/97	09/29/98		■ Fuel Summary Reports (FSR) - #1		
761	Qualification of FSRs - #1	02/02/98	09/29/98		■ Qualification of FSRs - #1		
992	TAN - DTS Demo (Non EM)	10/01/97	09/29/98		■ TAN - DTS Demo (Non EM)		
882	Provide the State an Estimated No. of Shipments and Metric Tons of DOE SNF (Annually)	12/31/98	12/31/98		▶ Provide the State an Estimated No. of Shipments and Metric Tons of DOE SNF (Annually)		
883	Provide the State the Actual No. of Shipments and Metric Tons of DOE SNF (Annually)	01/31/99	01/31/99		▶ Provide the State the Actual No. of Shipments and Metric Tons of DOE SNF (Annually)		
723	DOE NEPA Work	10/01/97	03/30/99		■ DOE NEPA Work		
724	Provide Input & Review to DOE NEPA	10/01/97	03/31/99		■ Provide Input & Review to DOE NEPA		
747	Issue Record of Decision for Shipment and Ultimate Disposal of SNF Outside Idaho	04/01/99	04/01/99		▶ Issue Record of Decision for Shipment and Ultimate Disposal of SNF Outside Idaho		
762	Fuel Summary Reports (FSR) - #2	10/01/98	09/30/99		■ Fuel Summary Reports (FSR) - #2		
763	Qualification of FSRs - #2	10/01/98	09/30/99		■ Qualification of FSRs - #2		
722	Provide Schedule Detail to DOE for State Negotiations	10/01/97	12/15/99		■ Provide Schedule Detail to DOE for State Negotiations		
748	Commence Negotiations for SNF Transfers out of Wet Storage	12/31/99	12/31/99		▶ Commence Negotiations for SNF Transfers out of Wet Storage		
796	Develop Epoxy Removal Process	10/01/98	09/29/00		■ Develop Epoxy Removal Process		
764	Fuel Summary Reports (FSR) - #3	10/01/99	09/29/00		■ Fuel Summary Reports (FSR) - #3		
765	Qualification of FSRs - #3	10/01/99	09/29/00		■ Qualification of FSRs - #3		
738	Develop Treatment Requirements & Alternatives	10/01/97	07/27/01		■ Develop Treatment Requirements & Alternatives		
714	DOE Completes Treatment NEPA	07/30/01	07/30/01		▶ DOE Completes Treatment NEPA		
769	Fuel Summary Reports (FSR) - #4	10/02/00	09/28/01		■ Fuel Summary Reports (FSR) - #4		
770	Qualification of FSRs - #4	10/02/00	09/28/01		■ Qualification of FSRs - #4		
758	Licensing Input to Projects	10/01/97	09/30/02		■ Licensing Input to Projects		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
771	Fuel Summary Reports (FSR) - #5	10/01/01	09/30/02				
772	Qualification of FSRs - #5	10/01/01	09/30/02				
751	GPP/CE PROJECTS(TECHN. DEV. DEPLOY SYSTEMS)	10/02/00	10/30/02				
798	Develop Drying Process for Peach Bottom Fuel	05/01/02	05/01/03				
775	Fuel Summary Reports (FSR) - #6	10/01/02	09/30/03				
776	Qualification of FSRs - #6	10/01/02	09/30/03				
703	Complete Oversight of Operations	01/19/04	01/19/04				
777	Fuel Summary Reports (FSR) - #7	10/01/03	09/30/04				
778	Qualification of FSRs - #7	10/01/03	09/30/04				
779	Fuel Summary Reports (FSR) - #8	10/01/04	09/30/05				
780	Qualification of FSRs - #8	10/01/04	09/30/05				
799	Develop Process for Drying Crushed SNF	06/23/04	06/19/06				
795	Development of Conditioning System	02/02/98	09/29/06				
934	Complete Removal of DOE Fuel from Wet Storage	09/30/06	09/30/06				
1077	IFSF Preps - CRMF Core Filter (DUFF)	07/07/08	01/29/09				
819	PROGRAM MANAGEMENT/SUPPORT	10/01/97	09/30/09				
801	Develop Process To Condition U Metal Fuels	10/01/07	09/30/10				
710	National Repository Ready to Receive Commercial Fuel	12/31/10	12/31/10				
740	Provide INEEL SNF Treatment Oversight	07/02/04	08/01/11				
719	INEEL Misc. SNF Treatment Completed	08/01/11	08/01/11				
1020	SNF SUMMARY FOR SNF CONSOLIDATION	06/29/98	09/29/11				
735	Develop Requirements & Specification for SNF Shipment Casks	01/03/11	12/23/11				
730	Integrate INEEL SNF Program with Repository Requirements/DIS	10/01/97	09/30/15				
711	National Repository Ready to Receive DOE Fuel	10/01/15	10/01/15				
736	Procure SNF Shipment Casks	01/02/12	12/20/17				
793	Support Sealed Storage Relicensing Efforts	10/04/21	10/03/22				
753	Technology Development Management Support	10/01/97	09/29/23				
754	Budget, Schedule and Admin. Support	10/01/97	09/29/23				
755	General Policy Compliance	10/01/97	09/29/23				
756	Quality Assurance Support	10/01/97	09/29/23				
980	Complete Removal of all SNF from Wet Storage	12/31/23	12/31/23				
720	Treatment Waste Products Shipped to Repository	07/30/30	07/30/30				
742	DOE QA OVERSITE OF DOE-OWNED SNF NRC LIC. IFSFI	10/01/97	09/29/34				
744	SNF INDEPENDENT PERFORMANCE ASSESSMENT	10/01/97	09/29/34				
746	PROJECT MANAGEMENT/SUPPORT	10/01/97	09/29/34				
743	NRC LICENSING OFFICE	10/01/98	09/29/34				
725	Maintain INEEL SNF Program Baseline Documentation/Schedule	10/01/97	12/22/34				
696	SNF SUMMARY FOR SNF DRY TRANSFER & STORAGE OPERATIONS	01/21/05	12/22/34				
<b>TMI Activities</b>							
		10/01/97	01/22/35				
1224	NRC Licence Issued (TMI)	10/02/98	10/02/98				
692	SNF SUMMARY FOR SNF TMI DRY STORAGE FACILITY	10/01/97	12/24/98				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1227	TMI - Final Design & Construction Work	04/01/98	12/31/98		TMI - Final Design & Construction Work		
1225	Complete TMI-2 ISFSI Construction	12/31/98	12/31/98		Complete TMI-2 ISFSI Construction		
1184	CPP 1774 TMI Receipts - Operational Readiness Preparations	10/01/97	02/28/99		CPP 1774 TMI Receipts - Operational Readiness Preparations		
983	TAN - Preparations to Transfer TMI-2 Fuel (to INTEC)	10/01/97	02/28/99		TAN - Preparations to Transfer TMI-2 Fuel (to INTEC)		
1222	Line Item Operating Support (TMI)	10/01/97	03/11/99		Line Item Operating Support (TMI)		
1226	TMI - NNS Furnished MP-187 Cast Aquisition	10/01/97	03/12/99		TMI - NNS Furnished MP-187 Cast Aquisition		
1228	TMI Hot Demonstration - Equipment & Functional Test	01/04/99	03/12/99		TMI Hot Demonstration - Equipment & Functional Test		
1229	TMI - Project Turnover to Operations	03/15/99	03/30/99		TMI - Project Turnover to Operations		
997	CPP 1774 Commence loading TMI SNF into Dry Storage	03/31/99	03/31/99		CPP 1774 Commence loading TMI SNF into Dry Storage		
984	TAN - Transferred TMI-2 Fuel (to INTEC)	03/31/99	05/23/01		TAN - Transferred TMI-2 Fuel (to INTEC)		
1185	CPP 1774 (TMI) Receive Shipments from TAN	03/31/99	05/23/01		CPP 1774 (TMI) Receive Shipments from TAN		
998	CPP 1774 Complete Transfer of TMI SNF from TAN to the Dry Storage Facility at ICPP	06/01/01	06/01/01		CPP 1774 Complete Transfer of TMI SNF from TAN to the Dry Storage Facility at ICPP		
999	TAN - Wet Storage Facility Turnover to Deactivation	01/12/04	01/12/04		TAN - Wet Storage Facility Turnover to Deactivation		
1190	CPP 1774 (TMI) Project Management / Support	10/01/98	12/22/34				
1189	CPP 1774 (TMI) Facility Operations	03/31/99	12/22/34				
1187	CPP 1774 (TMI) DOE DRY Storage to Repository	09/24/22	12/22/34				
1191	CPP 1774 (TMI) DOE Dry Storage Facility Turnover to Deactivation	01/22/35	01/22/35				
<b>Fort St Vrain</b>							
		<b>06/30/98</b>	<b>01/01/35</b>				
1006	FSV - NRC License Transfer	06/30/98	06/30/98		FSV - NRC License Transfer		
1004	FSV - Maintained Facilities	06/30/98	12/31/27				
1005	FSV - Project Management / Support	06/30/98	12/31/27				
1002	FSV - Transferred Fuel from CO to Rep	10/01/24	12/31/27				
1008	FSV - Colorado Facility Turnover to Deactivation	12/31/27	12/31/27				
1007	Complete Removal of all SNF from FSV Facility in Colorado	01/01/35	01/01/35				
<b>Multi Detector Analysis System (MDAS)</b>							
		<b>10/01/97</b>	<b>08/31/12</b>				
759	MDAS Development	10/01/97	10/13/99		MDAS Development		
766	MDAS Prototype	10/14/99	09/29/00		MDAS Prototype		
767	Generate Codes for Use with MDAS	10/14/99	09/29/00		Generate Codes for Use with MDAS		
768	MDAS Deployment/Use	10/02/00	09/30/02		MDAS Deployment/Use		
774	Continued Support/Improvement of MDAS	10/01/02	08/31/12				Continued Support/Improvement
<b>Treatment Facility TBD</b>							
		<b>10/02/00</b>	<b>07/01/04</b>				
797	Installation of Epoxy Removal Process	10/02/00	09/30/02		Installation of Epoxy Removal Process		
739	Support Treatment Facility Design & Construction	07/30/01	07/01/04		Support Treatment Facility Design & Construction		
715	Complete Treatment Facility Design and Construction	07/01/04	07/01/04		Complete Treatment Facility Design and Construction		
<b>EM Treatment at ANL</b>							
		<b>07/30/98</b>	<b>09/30/30</b>				
713	ANL-W Completes EMT Demonstration	07/30/98	07/30/98		ANL-W Completes EMT Demonstration		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
716	ANL-W SNF Inventory Treatment Completed	07/30/07	07/30/07			▶ ANL-W SNF Inventory Treatment Completed	
800	Develop Treatment Process for Sodium Bonded Fuels	04/10/07	04/09/08			█ Develop Treatment Process for Sodium Bonded Fuels	
802	Test Treatment Process for Sodium Bonded Fuels	04/09/08	07/29/09			█ Test Treatment Process for Sodium Bonded Fuels	
717	INEEL EBR-II Inventory Treatment Completed	07/30/09	07/30/09			▶ INEEL EBR-II Inventory Treatment Completed	
718	INEEL Fermi Blanket Treatment Completed	06/13/11	06/13/11			▶ INEEL Fermi Blanket Treatment Completed	
803	Continued Fuel Conditioning TBD	10/01/10	09/30/30			█	
<b>Privatized DOE Dry Storage Project</b>							
		<b>10/01/97</b>	<b>09/30/30</b>				
701	Development & Award of RFP	10/01/97	04/16/99	█			
1232	RFP - Issue, Review, Approve (Privatized Facility)	02/06/98	04/16/99	█			
1234	RFP - Contract Awarded (PV)	04/19/99	04/19/99	▶			
1235	Preliminary Design & License Work (PV)	04/20/99	04/12/01	█			
1236	NRC License Approved (PV)	04/13/01	04/13/01	▶			
745	UTILITY INTERFACE PROJECT	06/01/01	07/01/03		█		
702	Oversight of the Licensing and Construction	04/19/99	01/19/04		█		
773	Information During Initial Dry Storage	10/01/02	09/30/04		█		
695	SNF SUMMARY FOR SNF DRY TRANSFER & STORAGE PROJECT(P)	02/06/98	01/20/05	█			
1233	Design/NRC License 7 Construct DSP (Privatized) H	04/20/99	01/20/05		█		
1237	Final Design & Construction & Testing (PV)	04/13/01	01/20/05		█		
1238	Begin Loading Operations in the SNF Dry Storage Project (Privatized)	01/20/05	01/20/05		▶		
1240	LWBR from CPP-749 (to PV)	01/20/05	04/21/05			█	
1241	PB Core 2 from IFSF (to PV)	04/22/05	11/22/05			█	
1242	LWBR from CPP-749 (to PV)	11/23/05	02/22/06			█	
1243	PB Core 2 from IFSF (to PV)	02/22/06	09/25/06			█	
1244	PB Core 1 from CPP-749 (to PV)	09/25/06	03/25/07			█	
1245	PB Core 2 from IFSF (to PV)	03/26/07	10/26/07			█	
1246	FRR (SS) TRIGA from IFSF (to PV)	10/26/07	03/26/08			█	
1247	PB Core 1 from CPP-749 (to PV)	03/27/08	07/27/08			█	
741	UNIT PRICE OPERATING PAYMENTS (Privatized Vendor)	01/21/05	10/31/08			█	
1248	Facility Turnover of Privatized Dry Storage Project (PvDDS) to DOE	07/28/08	10/31/08			█	
781	Continued Characterization Support - TBD	09/04/12	09/30/30				█
<b>Reacking CPP-666</b>							
		<b>07/18/00</b>	<b>08/31/01</b>				
955	CPP-666 CPP/CE Projects - Pool 6 Reracking	10/02/00	06/30/01		█		
954	CPP-666 GPP/CE Projects - Pools 1 & 5 Reracking	07/18/00	08/31/01		█		
<b>Navy Shipments</b>							
		<b>10/01/97</b>	<b>09/30/11</b>				
949	CPP-666 New Naval Fuel Receipts	10/01/97	12/31/01	█			
937	CPP-666 Preparations -S3G Modules	10/02/00	07/31/02		█		
944	Expended Core Facility (ECF) Ready for Transfers	10/01/02	10/01/02		▶		
938	CPP-666 Preparations - D1G Modules	08/01/02	05/31/06		█		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
942	CPP -666 Navy Transfers - S3G Modules (to ECF)	10/01/02	12/31/06			CPP -666 Navy Transfers - S3G Modules (to ECF)	
939	CPP-666 Preparations - A1W Assemblies	06/01/06	01/31/07			CPP-666 Preparations - A1W Assemblies	
945	CPP-666 Navy Transfers - D1G Modules (to ECF)	01/01/07	12/31/07			CPP-666 Navy Transfers - D1G Modules (to ECF)	
946	CPP-666 Navy Transfers -A1W Assemblies (to ECF)	01/01/08	12/31/08			CPP-666 Navy Transfers -A1W Assemblies (to ECF)	
943	CPP-666 Naval Transfers (to ECF) (H)	10/01/02	09/30/11			CPP-666 Naval Transfers (to ECF) (H)	
947	CPP-666 Navy Transfers - Misc and Canned Fuel (to ECF)	01/01/09	09/30/11			CPP-666 Navy Transfers - Misc and Ca	
<b>ATR Fuel Movements</b>							
		10/01/97	12/31/31				
950	CPP-666 New ATR Fuel Receipts	10/01/97	09/30/05			CPP-666 New ATR Fuel Receipts	
1174	New TRA - ATR Receipts (to IFSF)	10/01/05	10/01/11			New TRA - ATR Receipts (to IFSF)	
1175	New TRA - ATR Fuel Shipments (to SRS)	10/02/11	12/31/31				
<b>CPP-603</b>							
		10/01/97	12/31/00				
888	CPP-603 Aluminum Plate (to IFSF)	10/23/97	01/29/98			CPP-603 Aluminum Plate (to IFSF)	
889	CPP-603 Aluminum TRIGA (to IFSF)	04/23/98	09/10/98			CPP-603 Aluminum TRIGA (to IFSF)	
890	CPP-603 GETR & Buffalo Pulstar (to 666)	09/04/98	09/24/98			CPP-603 GETR & Buffalo Pulstar (to 666)	
891	CPP-603 WAPD/BMI-Spec (to IFSF)	09/11/98	09/30/98			CPP-603 WAPD/BMI-Spec (to IFSF)	
893	CPP-603 EBR-II (Part 1)(1 canister, 12 chargers) (to IFSF)	02/19/99	02/28/99			CPP-603 EBR-II (Part 1)(1 canister, 12 chargers) (to IFSF)	
894	CPP-603 EBR-II (Part 2a)(3 canisters, 36 chargers) (to IFSF)	03/01/99	04/16/99			CPP-603 EBR-II (Part 2a)(3 canisters, 36 chargers) (to IFSF)	
895	CPP-603 EBR-II (Part 2b)(19 canister, 219 chargers) (to IFSF)	04/17/99	02/04/00			CPP-603 EBR-II (Part 2b)(19 canister, 219 chargers) (to IFSF)	
896	CPP-603 FECF Peachbottom 9 (to IFSF)	02/05/00	02/07/00			CPP-603 FECF Peachbottom 9 (to IFSF)	
897	CPP-603 EBR II (Leakers) (to 666)	02/07/00	02/11/00			CPP-603 EBR II (Leakers) (to 666)	
887	CPP-603 Transferred Fuel (to IFSF) -H-	11/01/97	03/01/00			CPP-603 Transferred Fuel (to IFSF) -H-	
898	CPP-603 GFOs (to IFSF)	02/28/00	03/01/00			CPP-603 GFOs (to IFSF)	
900	CPP-603 Maintained Facilities	10/01/97	12/19/00			CPP-603 Maintained Facilities	
901	CPP-603 Project Management / Support	10/01/97	12/19/00			CPP-603 Project Management / Support	
902	CPP-603 Facility Turnover to Deactivation	12/20/00	12/20/00			CPP-603 Facility Turnover to Deactivation	
904	Complete Removal of all SNF for Underwater Storage at CPP-603	12/31/00	12/31/00			Complete Removal of all SNF for Underwater Storage at CPP-603	
<b>IFSF</b>							
		10/01/97	05/12/33				
1171	TRA - ARMF Transfers (to IFSF)	10/01/97	10/31/97			TRA - ARMF Transfers (to IFSF)	
1176	IFSF - GPP/CE Projects - Equipment/Crane Upgrade	10/01/98	12/31/98			IFSF - GPP/CE Projects - Equipment/Crane Upgrade	
1091	IFSF Shipmt - Rover PARKA 1 (to Oak Ridge)	10/01/99	10/15/99			IFSF Shipmt - Rover PARKA 1 (to Oak Ridge)	
1092	IFSF Shipmt - Rover PARKA 2 (to Oak Ridge)	10/16/99	10/31/99			IFSF Shipmt - Rover PARKA 2 (to Oak Ridge)	
1093	IFSF Shipmt - Rover PARKA 3 (to Oak Ridge)	11/01/99	11/15/99			IFSF Shipmt - Rover PARKA 3 (to Oak Ridge)	
1094	IFSF Shipmt - Rover PARKA 4 (to Oak Ridge)	11/16/99	11/30/99			IFSF Shipmt - Rover PARKA 4 (to Oak Ridge)	
1095	IFSF Shipmt - Rover PARKA 5 (to Oak Ridge)	12/01/99	12/15/99			IFSF Shipmt - Rover PARKA 5 (to Oak Ridge)	
1096	IFSF Shipmt - Rover PARKA 6 (to Oak Ridge)	12/16/99	12/31/99			IFSF Shipmt - Rover PARKA 6 (to Oak Ridge)	
783	Coupon Studies Phase 1	10/01/97	08/25/00			Coupon Studies Phase 1	
1173	PBF Fuel Transfers (to IFSF)	01/01/02	05/31/02			PBF Fuel Transfers (to IFSF)	
1055	IFSF Preps - Peachbottom Core 2	10/01/01	09/30/02			IFSF Preps - Peachbottom Core 2	



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
785	Coupon Studies Phase 2	08/28/00	10/01/03			Coupon Studies Phase 2	
1040	IFSF Preps - CPP-603 WAPD/BMI-Spec	10/02/03	09/30/04			IFSF Preps - CPP-603 WAPD/BMI-Spec	
1046	IFSF Preps - F - Asian (SS)	04/04/05	06/29/05			IFSF Preps - F - Asian (SS)	
1047	IFSF Preps - F - European (SS)	04/04/05	06/29/05			IFSF Preps - F - European (SS)	
1041	IFSF Preps - EBR-II	10/04/04	09/29/05			IFSF Preps - EBR-II	
1048	IFSF Preps - TRIGA BER-II (SS)	10/03/05	11/10/05			IFSF Preps - TRIGA BER-II (SS)	
1024	PB Core 2 from IFSF (to PV)	04/21/05	11/21/05			PB Core 2 from IFSF (to PV)	
1117	PB Tranfer Core 2 from IFSF to PV	04/21/05	11/21/05			PB Tranfer Core 2 from IFSF to PV	
1043	IFSF Preps - Aluminum Plate (ATR, HFBR, ORR, MURR)	10/04/04	06/29/06			IFSF Preps - Aluminum Plate (ATR, HFBR, ORR, MURR)	
1026	PB Core 2 from IFSF (to PV)	02/20/06	09/23/06			PB Core 2 from IFSF (to PV)	
1119	PB Tranfer Core 2 from IFSF to PV	02/20/06	09/23/06			PB Tranfer Core 2 from IFSF to PV	
1115	IFSF Tranfers Triga/PB Transfers (to Privatized DDS) H	04/21/05	09/30/06			IFSF Tranfers Triga/PB Transfers (to Privatized DDS) H	
787	Coupon Studies Phase 3	10/02/03	10/02/06			Coupon Studies Phase 3	
1157	IFSF Shipment - MTR (to Tmt)	10/01/06	10/31/06			IFSF Shipment - MTR (to Tmt)	
1028	PB Core 2 from IFSF (to PV)	12/22/06	03/22/07			PB Core 2 from IFSF (to PV)	
1121	PB Tranfer Core 2 from IFSF to PV	02/24/07	05/24/07			PB Tranfer Core 2 from IFSF to PV	
1080	IFSF Preps - CPP-666 Pathfinder/BORAX V	10/02/06	05/29/07			IFSF Preps - CPP-666 Pathfinder/BORAX V	
1044	IFSF Preps - TRA - ATR	10/02/06	07/03/07			IFSF Preps - TRA - ATR	
1163	IFSF Transfer - CPP-666 BORAX V (to DDS)	05/29/07	07/23/07			IFSF Transfer - CPP-666 BORAX V (to DDS)	
1075	IFSF Preps - MTR	01/08/07	08/02/07			IFSF Preps - MTR	
1029	FRR (SS) TRIGA from IFSF to PV	03/22/07	08/22/07			FRR (SS) TRIGA from IFSF to PV	
1164	IFSF Transfer - CPP-666 Pathfinder (to DDS)	07/24/07	09/16/07			IFSF Transfer - CPP-666 Pathfinder (to DDS)	
1056	IFSF Preps - DRR - Misc. PB	10/02/06	09/27/07			IFSF Preps - DRR - Misc. PB	
1057	IFSF Preps - DRR - Misc. PB (~5%)	03/29/07	10/11/07			IFSF Preps - DRR - Misc. PB (~5%)	
1122	FRR Tranfer (SS) TRIGA from IFSF to PV	05/25/07	10/25/07			FRR Tranfer (SS) TRIGA from IFSF to PV	
1104	IFSF Tranfer - FRR - Asian (SS) (to PV)	10/26/07	12/30/07			IFSF Tranfer - FRR - Asian (SS) (to PV)	
1058	IFSF Preps - FECF Peachbottom	06/06/07	02/26/08			IFSF Preps - FECF Peachbottom	
1124	IFSF Tranfer - FECF Peachbottom to PV	02/27/08	03/06/08			IFSF Tranfer - FECF Peachbottom to PV	
1105	IFSF Tranfer - FRR - European (SS) (to PV)	12/30/07	03/09/08			IFSF Tranfer - FRR - European (SS) (to PV)	
1125	IFSF Tranfer - DRR - Misc. PB (to DDS)	03/07/08	03/21/08			IFSF Tranfer - DRR - Misc. PB (to DDS)	
1126	IFSF Shipmt - DRR - Misc. PB (~5%) (to TBD Tmt)	03/22/08	03/31/08			IFSF Shipmt - DRR - Misc. PB (~5%) (to TBD Tmt)	
1081	IFSF Preps - PBF	10/02/07	08/28/08			IFSF Preps - PBF	
1083	IFSF Preps - Fermi	10/02/07	08/28/08			IFSF Preps - Fermi	
1076	IFSF Preps - ARMF/CRMF	05/20/08	12/10/08			IFSF Preps - ARMF/CRMF	
1106	IFSF Tranfer - TRIGA BER-II (to DDS)	11/01/08	12/10/08			IFSF Tranfer - TRIGA BER-II (to DDS)	
1165	IFSF Transfer - PBF (to DDS)	12/28/08	01/26/09			IFSF Transfer - PBF (to DDS)	
1073	IFSF Preps - TORY-IIC	04/28/08	01/29/09			IFSF Preps - TORY-IIC	
1158	IFSF Transfer - ARMF/CRMF (to DDS)	12/11/08	01/29/09			IFSF Transfer - ARMF/CRMF (to DDS)	
1078	IFSF Preps - TAN -TMI/LOFT epoxy	07/10/08	02/05/09			IFSF Preps - TAN -TMI/LOFT epoxy	
1159	IFSF Transfer - CRMF Core Filter (DUFF) (to DDS)	01/30/09	02/08/09			IFSF Transfer - CRMF Core Filter (DUFF) (to DDS)	
1051	IFSF Preps - F - Asian (Aluminum)	10/02/07	02/26/09			IFSF Preps - F - Asian (Aluminum)	
1052	IFSF Preps - F - European (Alum, Z)	10/02/07	02/26/09			IFSF Preps - F - European (Alum, Z)	
1053	IFSF Preps - F - Remaining (Al) (Japan,etc)	10/02/07	02/26/09			IFSF Preps - F - Remaining (Al) (Japan,etc)	



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1087	IFSF Epoxy Fuels to new Treatment (TBD) H	10/01/06	03/16/09				IFSF Epoxy Fuels to new Treatment (TBD) H
1160	IFSF Shipmt - TAN -TMI/LOFT epoxy (to TBD Treatment)	02/09/09	03/16/09				IFSF Shipmt - TAN -TMI/LOFT epoxy (to TBD Treatment)
1167	IFSF Transfer - Fermi (to DDS)	08/28/08	03/30/09				IFSF Transfer - Fermi (to DDS)
1161	IFSF Shipmt - ROVER UBM (to ORNL)	03/17/09	04/19/09				IFSF Shipmt - ROVER UBM (to ORNL)
1109	IFSF Transfer - FRR - Asian (Aluminum) (to DDS)	03/03/09	05/08/09				IFSF Transfer - FRR - Asian (Aluminum) (to DDS)
1110	IFSF Transfer - FRR - European (Alum, Z) (to DDS)	03/03/09	06/08/09				IFSF Transfer - FRR - European (Alum, Z) (to DDS)
1049	IFSF Preps - F - Remaining (Japan, ?)(SS)	04/03/06	06/30/09				IFSF Preps - F - Remaining (Japan, ?)(SS)
1155	IFSF Transfer - TORY-IIC (to DDS)	01/29/09	07/17/09				IFSF Transfer - TORY-IIC (to DDS)
788	Coupon Studies Phase 4	10/03/06	10/01/09				Coupon Studies Phase 4
1060	IFSF Preps - CPP-666 Misc Canned Fuel	10/02/08	05/27/10				IFSF Preps - CPP-666 Misc Canned Fuel
1061	IFSF Preps - CPP-603 GFOs	10/02/08	05/27/10				IFSF Preps - CPP-603 GFOs
1128	IFSF Shipment - CPP-603 GFOs (to TBD Tmt)	05/27/10	05/30/10				IFSF Shipment - CPP-603 GFOs (to TBD Tmt)
1107	IFSF Transfer - FRR - Remaining (Japan, ?)(SS) (to DDS)	06/30/09	09/13/10				IFSF Transfer - FRR - Remaining (Japan, ?)(SS) (to DDS)
1111	IFSF Transfer - FRR - Remaining (AI) (Japan,etc) (to DDS)	07/01/09	09/13/10				IFSF Transfer - FRR - Remaining (AI) (Japan,etc) (to DDS)
1063	IFSF Preps - DRR - Oregon State (AI)	10/01/09	09/30/10				IFSF Preps - DRR - Oregon State (AI)
1064	IFSF Preps - DRR- Texas A&M	10/08/09	10/07/10				IFSF Preps - DRR- Texas A&M
1131	IFSF Transfer - DRR - Oregon State (SS) (to DDS)	09/30/10	10/07/10				IFSF Transfer - DRR - Oregon State (SS) (to DDS)
1065	IFSF Preps - DRR - ANL-E	11/09/09	11/04/10				IFSF Preps - DRR - ANL-E
1132	IFSF Transfer - DRR- Texas A&M (SS) (to DDS)	10/08/10	11/05/10				IFSF Transfer - DRR- Texas A&M (SS) (to DDS)
1112	IFSF Transfer - CPP-603 AI Triga (to DDS)	09/14/10	12/12/10				IFSF Transfer - CPP-603 AI Triga (to DDS)
1129	IFSF Transfer - CPP-666 Misc Canned Fuel (to DDS)	06/01/10	12/27/10				IFSF Transfer - CPP-666 Misc Canned Fuel (to DDS)
1067	IFSF Preps - DRR- General Atomics	06/07/10	06/02/11				IFSF Preps - DRR- General Atomics
1133	IFSF Transfer - DRR - ANL-E (ZIRC) (to DDS)	11/07/10	06/04/11				IFSF Transfer - DRR - ANL-E (ZIRC) (to DDS)
1136	IFSF Transfer - DRR - Sandia National Laboratory (to DDS)	06/04/11	06/08/11				IFSF Transfer - DRR - Sandia National Laboratory (to DDS)
1068	IFSF Preps - DRR - McClellan AFB	11/02/10	11/01/11				IFSF Preps - DRR - McClellan AFB
1134	IFSF Transfer - DRR- General Atomics (SS) (to DDS)	06/05/11	11/01/11				IFSF Transfer - DRR- General Atomics (SS) (to DDS)
1069	IFSF Preps - DRR - SUNY	01/03/11	12/22/11				IFSF Preps - DRR - SUNY
1150	IFSF Transfer - DRR - McClellan AFB (SS) (to DDS)	11/02/11	12/31/11				IFSF Transfer - DRR - McClellan AFB (SS) (to DDS)
1070	IFSF Preps - DRR - U of Wisconsin	03/02/11	02/29/12				IFSF Preps - DRR - U of Wisconsin
1151	IFSF Transfer - DRR - SUNY (ZIRC) (to DDS)	01/01/12	02/29/12				IFSF Transfer - DRR - SUNY (ZIRC) (to DDS)
1137	IFSF Transfer - DRR - Cornell University (to DDS)	04/03/12	04/07/12				IFSF Transfer - DRR - Cornell University (to DDS)
1071	IFSF Preps - DRR- WSU	08/01/11	07/26/12				IFSF Preps - DRR- WSU
1152	IFSF Transfer - DRR - U of Wisconsin (SS) (to DDS)	03/01/12	07/28/12				IFSF Transfer - DRR - U of Wisconsin (SS) (to DDS)
1153	IFSF Transfer - DRR- WSU (SS) (to DDS)	07/29/12	12/25/12				IFSF Transfer - DRR- WSU (SS) (to DDS)
1098	IFSF Shipmt - EBR-II (to Sodium Tmt)	12/11/08	01/22/13				IFSF Shipmt - EBR-II (to Sodium Tmt)
1138	IFSF Transfer - DRR - University of Arizona (to DDS)	09/26/13	11/05/13				IFSF Transfer - DRR - University of Arizona (to DDS)
1100	IFSF Shipmt - Aluminum Plate (ATR, HFBR, ORR, MURR) (to SRS)	10/02/11	02/17/14				IFSF Shipmt - Aluminum Plate (ATR, HFBR, ORR, MURR) (to SRS)
1085	IFSF Preps - Fort Saint Vrain	10/01/13	10/01/14				IFSF Preps - Fort Saint Vrain
1101	IFSF Shipmt - TRA - ATR (to SRS)	02/18/14	11/18/14				IFSF Shipmt - TRA - ATR (to SRS)
1089	IFSF EBR II, WAPD/BMI Spec to Na Treatment (ANL-W) H	12/11/08	12/19/14				IFSF EBR II, WAPD/BMI Spec to Na Treatment (ANL-W) H
1102	IFSF Shipmt - CPP-603 WAPD/BMI-Spec (to TBD Tmt.)	11/19/14	12/19/14				IFSF Shipmt - CPP-603 WAPD/BMI-Spec (to TBD Tmt.)
1139	IFSF Transfer - DRR - Kansas State University (to DDS)	06/11/15	07/23/15				IFSF Transfer - DRR - Kansas State University (to DDS)
1140	IFSF Transfer - DRR - Pennsylvania State University (to DDS)	04/18/17	04/22/17				IFSF Transfer - DRR - Pennsylvania State University (to DDS)



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1141	IFSF Transfer - DRR - North Carolina University (to DDS)	03/02/20	03/09/20				
1142	IFSF Transfer - DRR - University of Illinois (to DDS)	10/08/21	02/04/22				
1143	IFSF Transfer - DRR - University of Utah (to DDS)	02/10/23	05/10/23				
1144	IFSF Transfer - DRR - AFRRRI (NISH, Bethesda, MD) (to DDS)	06/04/23	06/08/23				
1145	IFSF Transfer - DRR - University of Maryland (to DDS)	09/08/23	12/06/23				
1169	IFSF Shipment - Fort Saint Vrain direct to Repository	10/04/20	09/30/24				
1146	IFSF Transfer - DRR - B&W NEI (Lynchburg) (to DDS)	08/04/25	08/08/25				
1147	IFSF Transfer - DRR - USGS (to DDS)	05/30/31	08/27/31				
1066	IFSF Preps - DRR - Misc. Sites	01/25/10	04/15/32				
1178	IFSF Maintain Facility	10/01/97	09/30/32				
1180	IFSF Project Management and Support	10/01/97	09/30/32				
1181	IFSF Facility Turnover to Deactivation	09/30/32	09/30/32				
1088	IFSF Transfers to INTEC DOE Dry Storage H	11/01/08	04/22/33				
1149	IFSF Transfer - DRR - DOW Corporation (Midland) (to DDS)	04/19/33	04/22/33				
1148	IFSF Transfer - DRR - UC Irvine (to DDS)	04/02/33	05/12/33				
<b>CPP-749</b>							
		<b>10/01/97</b>	<b>07/11/11</b>				
1012	CPP-749 Preps PB and Fermi Transfers from 1st to 2nd	05/04/98	09/28/00				
1013	CPP-749 Preparation to Receive PB Fuel from Oak Ridge	10/02/00	11/12/01				
1018	CPP-749 Receive PB Fuel from Oak Ridge	11/12/01	02/12/02				
1014	CPP-749 Preparations for Transfers of PB and LWBR Fuels	03/19/02	01/20/05				
1023	LWBR from CPP-749 (to PV)	01/20/05	04/20/05				
1116	LWBR Transfer from CPP-749 to PV	01/20/05	04/20/05				
1025	LWBR from CPP-749 (to PV)	11/22/05	02/20/06				
1118	LWBR Transfer from CPP-749 to PV	11/22/05	02/20/06				
1027	PB Core 1 from CPP-749 (to PV)	09/23/06	12/22/06				
1120	PB Transfer Core 1 from CPP-749 to PV	09/23/06	02/23/07				
1015	CPP-749 Preparation to Ship ULWBR to Oak Ridge	07/27/05	12/20/07				
1022	CPP-749 PB/LWBR Transfers (to Privatized) H	01/20/05	12/23/07				
1030	PB Core 1 from CPP-749 (to PV)	08/23/07	12/23/07				
1123	PB Transfer Core 1 from CPP-749 to PV	10/26/07	02/26/08				
1016	CPP-749 Preparation to Ship Sodium Bonded Fermi Fuel to TBD Treatment Facility	02/23/06	12/09/10				
1031	CPP-749 Ship ULWBR to Oak Ridge	12/24/07	12/10/10				
1033	CPP-749 MAINTAINED FACILITIES	10/01/97	06/10/11				
1032	CPP-749 FERMI to Sodium Treatment (ANL-W)	12/11/10	06/10/11				
1034	CPP-749 PM/SUPPORT	10/01/97	06/30/11				
1035	CPP-749 Facility Turnover to D&D	07/11/11	07/11/11				
<b>CPP-666</b>							
		<b>10/01/97</b>	<b>10/02/11</b>				
952	CPP-666 GPP/CE Projects - LCC (Non-EM)	10/01/98	09/30/00				
911	CPP-666 Preparations - EBR-II Fuels	10/01/97	12/21/00				
917	CPP-666 EBR-II (Non-leakers) Phase 1 (transfer to IFSF)	01/01/01	02/15/01				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
908	CPP-666 Preparations - Wet Load Station Fuels	10/01/97	02/28/01		CPP-666 Preparations - Wet Load Station Fuels		
953	CPP-666 GPP/CE Projects - Wet Load Project	10/01/99	02/28/01			CPP-666 GPP/CE Projects - Wet Load Project	
922	CPP-666 Shipping Port (1) (transfer to DDS)	03/01/01	03/10/01			CPP-666 Shipping Port (1) (transfer to DDS)	
956	CPP-666 CPP/CE Projects - Additional Modular Storage Units - CPP 666	10/02/00	07/31/01			CPP-666 CPP/CE Projects - Additional Modular Storage Units - CPP 666	
784	EBR-II Inspections	02/19/99	09/11/01			EBR-II Inspections	
918	CPP-666 EBR-II (Non-leakers) Phase 2 (transfer to IFSF)	03/29/01	02/03/02			CPP-666 EBR-II (Non-leakers) Phase 2 (transfer to IFSF)	
910	CPP-666 Preparations - Fermi Fuels	10/01/97	06/03/02		CPP-666 Preparations - Fermi Fuels		
925	CPP-666 Fermi Fuels - Transfers (to IFSF)	06/03/02	07/16/02			CPP-666 Fermi Fuels - Transfers (to IFSF)	
913	CPP-666 Preparations - Miscellaneous Intact Fuels	10/01/97	09/30/02		CPP-666 Preparations - Miscellaneous Intact Fuels		
912	CPP-666 Preparations - Aluminum Plate Fuels	10/01/97	10/01/02		CPP-666 Preparations - Aluminum Plate Fuels		
927	CPP-666 Aluminum Plate - Phase I (to IFSF)	10/10/02	06/10/04			CPP-666 Aluminum Plate - Phase I (to IFSF)	
923	CPP-666 Shipping Port (2) (transfer to DDS)	06/28/04	08/08/04				CPP-666 Shipping Port (2) (transfer to DDS)
921	CPP-666 DOE Fuel Transfers (to DOE-DRY) via Wet Load Station (H)	03/01/01	08/13/04			CPP-666 DOE Fuel Transfers (to DOE-DRY) via Wet Load Station (H)	
924	CPP-666 TRIGA SST (transfer to DDS)	08/09/04	08/13/04				CPP-666 TRIGA SST (transfer to DDS)
930	CPP-666 BORAX V (transfer to IFSF)	08/23/04	09/13/04				CPP-666 BORAX V (transfer to IFSF)
909	CPP-666 Preparations - Miscellaneous Canned Fuels	10/01/97	09/30/04		CPP-666 Preparations - Miscellaneous Canned Fuels		
931	CPP-666 Pathfinder (transfer to IFSF)	09/14/04	10/03/04				CPP-666 Pathfinder (transfer to IFSF)
932	CPP-666 Miscellaneous Canned Fuels - Transfers (to IFSF)	10/04/04	01/20/06				CPP-666 Miscellaneous Canned Fuels - Transfers (to IFSF)
919	CPP-666 EBR-II Leakers to Sodium Treatment (ANL-W)	01/21/06	01/27/06				CPP-666 EBR-II Leakers to Sodium Treatment (ANL-W)
916	CPP-666 DOE Fuel Transfers (to IFSF) H	01/01/01	06/19/06			CPP-666 DOE Fuel Transfers (to IFSF) H	
928	CPP-666 Aluminum Plate - Phase II (transfer to IFSF)	01/21/06	06/19/06				CPP-666 Aluminum Plate - Phase II (transfer to IFSF)
933	CPP-666 Misc. Fuel Sent to New Treatment Facility (TBD)	06/20/06	08/18/06				CPP-666 Misc. Fuel Sent to New Treatment Facility (TBD)
951	CPP-666 SNF Stabilization	10/01/97	09/30/06		CPP-666 SNF Stabilization		
940	CPP-666 Preparations - Misc and Canned Fuel	02/01/07	04/30/08				CPP-666 Preparations - Misc and Canned Fuel
958	CPP-666 Routine Operations and Surveillance	10/01/97	10/02/11		CPP-666 Routine Operations and Surveillance		CPP-666 Routine Operations and Surveillance
959	CPP-666 Utility Systems	10/01/97	10/02/11		CPP-666 Utility Systems		CPP-666 Utility Systems
960	CPP-666 HVAC Systems	10/01/97	10/02/11		CPP-666 HVAC Systems		CPP-666 HVAC Systems
961	CPP-666 Physical facilities	10/01/97	10/02/11		CPP-666 Physical facilities		CPP-666 Physical facilities
962	CPP-666 Waste Systems	10/01/97	10/02/11		CPP-666 Waste Systems		CPP-666 Waste Systems
963	CPP-666 Water Treatment System	10/01/97	10/02/11		CPP-666 Water Treatment System		CPP-666 Water Treatment System
964	CPP-666 Electrical & Instrumentation	10/01/97	10/02/11		CPP-666 Electrical & Instrumentation		CPP-666 Electrical & Instrumentation
965	CPP-666 Cranes & Hoists	10/01/97	10/02/11		CPP-666 Cranes & Hoists		CPP-666 Cranes & Hoists
966	CPP-666 Cutting Pool	10/01/97	10/02/11		CPP-666 Cutting Pool		CPP-666 Cutting Pool
967	CPP-666 Facility Management & Administration	10/01/97	10/02/11		CPP-666 Facility Management & Administration		CPP-666 Facility Management & Administration
969	CPP - 666 QA Support	10/01/97	10/02/11		CPP - 666 QA Support		CPP - 666 QA Support
970	CPP-666 ES& H	10/01/97	10/02/11		CPP-666 ES& H		CPP-666 ES& H
971	CPP-666 Material Analysis	10/01/97	10/02/11		CPP-666 Material Analysis		CPP-666 Material Analysis
972	CPP-666 Management Support	10/01/97	10/02/11		CPP-666 Management Support		CPP-666 Management Support
973	CPP-666 Document Services	10/01/97	10/02/11		CPP-666 Document Services		CPP-666 Document Services
974	CPP-666 Work Control	10/01/97	10/02/11		CPP-666 Work Control		CPP-666 Work Control
975	CPP-666 Program Control & Schedule	10/01/97	10/02/11		CPP-666 Program Control & Schedule		CPP-666 Program Control & Schedule
976	CPP-666 Nuclear Fuels Training	10/01/97	10/02/11		CPP-666 Nuclear Fuels Training		CPP-666 Nuclear Fuels Training
977	CPP-666 Nuclear Fuels Operator Training	10/01/97	10/02/11		CPP-666 Nuclear Fuels Operator Training		CPP-666 Nuclear Fuels Operator Training



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
978	CPP-666 Nucler Fuels Project Support Administration	10/01/97	10/02/11				
979	CPP-666 Facility Facility Turnover to Deactivation	10/02/11	10/02/11				
<b>CPP-651</b>		<b>10/01/97</b>	<b>09/25/06</b>				
1214	CPP-651 Transferred SNM (Non EM)	10/01/97	09/25/06				
1215	CPP-651 Secured Facility (Non-EM)	10/01/97	09/25/06				
1216	CPP-651 Storage Monitoring	10/01/97	09/25/06				
1217	CPP-651 Maintained Facilities	10/01/97	09/25/06				
1218	CPP-651 Program Management / Support	10/01/97	09/25/06				
1219	CPP-651 Facility Turnover to Deactivation	09/25/06	09/25/06				
<b>CPP xxxx INTEC DOE Dry Storage Facility</b>		<b>02/04/02</b>	<b>01/01/35</b>				
733	Provide Design Criteria for Additional Modular Dry Storage	02/04/02	03/05/04				
1209	INTEC-DDS GPP/CE Project - Additional Modular Storage Units	03/08/04	02/28/09				
789	Coupon Studies Phase 5	10/02/09	10/01/12				
790	Coupon Studies Phase 6	10/02/12	10/01/15				
791	Coupon Studies Phase 7	10/02/15	10/01/18				
1198	Ship Category 4 Uranium Oxide Fuel to Rep.	10/01/18	06/09/20				
1197	Ship (Privatized) DOE Dry Storage Inventory to Rep.	10/01/18	10/03/20				
792	Coupon Studies Phase 8	10/02/18	10/01/21				
1199	Ship Category 5 Uranium Oxide Failed/Declad Fuel (TMI) to Rep.	06/10/20	08/29/23				
1200	Ship Category 5 Uranium Oxide Failed/Declad Fuel (Other) to Rep.	08/30/23	01/10/25				
1201	Ship Category 8 Uranium/Thorium Carbide Fuel - FSV from Colorado to Rep.	01/11/25	07/24/26				
1202	Ship Category 8 Uranium/Thorium Carbide Fuel (INEEL Inventory) to Rep.	07/25/26	06/23/28				
1203	Ship Category 9 Uranium/Thorium Carbide Fuel (low integrity) to Rep.	06/24/28	06/08/29				
1204	Ship Category 3 Uranium Molybdenum Fuel to Rep.	06/09/29	06/08/30				
1205	Ship Category 12 Uranium/Thorium Oxides Fuel to Rep.	06/09/30	05/08/32				
1206	Ship Category 11 MOX Fuel to Repository	05/09/32	02/07/33				
1210	Maintained Facilities INTEC-DDS	11/01/08	10/05/33				
1207	Ship Category 13 Uranium Zirconium Hydride Fuels to Rep.	02/08/33	10/05/33				
1195	INTEC-DDS SNF Receipts, Packaging and Loading Operations	11/01/08	02/28/34				
1208	Ship Categories 1,2,10,16 Misc. to Repository	10/06/33	07/17/34				
1211	Project Management / Support INTEC-DDS	03/11/04	10/31/34				
1212	INTEC DOE Dry Storage Facility Turnover to Deactivation	12/31/34	12/31/34				
1192	Complete Removal of All SNF from Idaho	01/01/35	01/01/35				
<b>Test Area North</b>		<b>10/01/97</b>	<b>09/30/18</b>				
994	TAN - GPP/CE Projects - Modular Storage Units - TAN Pad	10/01/98	08/31/99				
826	DRR West Valley Receipts (to Tan Pad)	04/01/01	09/30/01				
986	TAN Pool LOFT/Commercial Fuel (to CPP 1774 DOE Dry Strg)	07/02/01	06/27/02				
988	TAN -TMI/LOFT Epoxy Fuel 1st Shipment (to IFSF)	03/04/03	05/27/03				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
989	TAN -TMI/LOFT Epoxy Fuel 2nd Shipment (to IFSF)	05/28/03	08/19/03			TAN -TMI/LOFT Epoxy Fuel 2nd Shipment (to IFSF)	
991	TAN - Transfer Epoxied SNF to IFSF (H)	03/04/03	12/02/03			TAN - Transfer Epoxied SNF to IFSF (H)	
990	TAN -TMI/LOFT Epoxy Fuel 3rd Shipment (to IFSF)	09/09/03	12/02/03			TAN -TMI/LOFT Epoxy Fuel 3rd Shipment (to IFSF)	
995	TAN - Maintained Facilities	10/01/97	09/27/18				
996	TAN - Project Management & Support	10/01/97	09/27/18				
993	Transfer TAN Pad Fuel -	10/01/15	09/30/18				
1000	TAN - Dry Storage Facility Turnover to Deactivation	09/30/18	09/30/18				
<b>Material Test Reactor</b>							
		01/01/01	10/31/01				
786	MTR Inspections	01/02/01	10/02/01			MTR Inspections	
1172	TRA - MTR Fuel (to IFSF)	01/01/01	10/31/01			TRA - MTR Fuel (to IFSF)	
<b>FRR</b>							
		10/01/97	09/30/09				
807	FRR Triga - Asian (to IFSF)	08/01/98	08/31/98			FRR Triga - Asian (to IFSF)	
808	FRR Triga - European (to IFSF)	06/01/99	08/29/99			FRR Triga - European (to IFSF)	
810	FRR - Remaining (1st Shipment) (to IFSF)	05/01/01	07/29/01			FRR - Remaining (1st Shipment) (to IFSF)	
811	FRR - Remaining (2nd Shipment) (to IFSF)	05/01/02	07/30/02			FRR - Remaining (2nd Shipment) (to IFSF)	
812	FRR - Remaining (3rd Shipment) (to IFSF)	05/01/03	07/30/03			FRR - Remaining (3rd Shipment) (to IFSF)	
813	FRR - Remaining (4th Shipment) (to IFSF)	05/01/04	07/30/04			FRR - Remaining (4th Shipment) (to IFSF)	
814	FRR - Remaining (5th Shipment) (to IFSF)	05/01/05	07/30/05			FRR - Remaining (5th Shipment) (to IFSF)	
815	FRR - Remaining (6th Shipment) (to IFSF)	05/01/06	07/30/06			FRR - Remaining (6th Shipment) (to IFSF)	
816	FRR - Remaining (7th Shipment) (to IFSF)	05/01/07	07/30/07			FRR - Remaining (7th Shipment) (to IFSF)	
817	FRR - Remaining (8th Shipment) (to IFSF)	05/01/08	07/30/08			FRR - Remaining (8th Shipment) (to IFSF)	
806	FRR Receipts (to IFSF) H	08/01/98	07/30/09			FRR Receipts (to IFSF) H	
818	FRR - Remaining (9th Shipment) (to IFSF)	05/01/09	07/30/09			FRR - Remaining (9th Shipment) (to IFSF)	
694	SNF SUMMARY FOR SNF FOREIGN RESEARCH REACTOR	10/01/97	09/30/09			SNF SUMMARY FOR SNF FOREIGN RESEARCH REACTOR	
820	Complete FRR Receipts into ID per EIS	09/30/09	09/30/09			Complete FRR Receipts into ID per EIS	
<b>DRR</b>							
		10/01/97	09/30/33				
825	Begin DRR Receipts per SA	01/01/01	01/01/01			Begin DRR Receipts per SA	
831	DRR - PB Core 2 Receipts (to IFSF)	11/05/01	11/11/01			DRR - PB Core 2 Receipts (to IFSF)	
833	DRR - Misc. PB (Shipment #1) (to IFSF)	02/04/02	02/07/02			DRR - Misc. PB (Shipment #1) (to IFSF)	
837	DRR - Oregon State (Shipment #1) (to IFSF)	02/18/02	02/21/02			DRR - Oregon State (Shipment #1) (to IFSF)	
834	DRR - Misc. PB (Shipment #2) (to IFSF)	03/22/02	03/25/02			DRR - Misc. PB (Shipment #2) (to IFSF)	
838	DRR - Oregon State (Shipment #2) (to IFSF)	04/05/02	04/08/02			DRR - Oregon State (Shipment #2) (to IFSF)	
835	DRR - Misc. PB (Shipment #3) (to IFSF)	05/06/02	05/10/02			DRR - Misc. PB (Shipment #3) (to IFSF)	
840	DRR- General Atomics (Shipment #1) (to IFSF)	12/23/02	12/26/02			DRR- General Atomics (Shipment #1) (to IFSF)	
841	DRR- General Atomics (Shipment #2) (to IFSF)	03/21/03	03/24/03			DRR- General Atomics (Shipment #2) (to IFSF)	
846	DRR - ANL-E (to IFSF)	04/07/03	04/10/03			DRR - ANL-E (to IFSF)	
849	DRR - McClellan AFB (Shipment #1) (to IFSF)	04/14/03	04/17/03			DRR - McClellan AFB (Shipment #1) (to IFSF)	
847	DRR - ANL-E - Other Shipments ? (to IFSF)	04/11/03	05/10/03			DRR - ANL-E - Other Shipments ? (to IFSF)	



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
842	DRR- General Atomics (Shipment #3) (to IFSF)	06/17/03	06/20/03			DRR- General Atomics (Shipment #3) (to IFSF)	
843	DRR- General Atomics (Shipment #4) (to IFSF)	09/13/03	09/16/03			DRR- General Atomics (Shipment #4) (to IFSF)	
844	DRR- General Atomics (Shipment #5) (to IFSF)	12/10/03	12/13/03			DRR- General Atomics (Shipment #5) (to IFSF)	
850	DRR - McClellan AFB (Shipment #2) (to IFSF)	12/13/03	12/17/03			DRR - McClellan AFB (Shipment #2) (to IFSF)	
851	DRR- Texas A&M (to IFSF)	12/18/03	12/29/03			DRR- Texas A&M (to IFSF)	
853	DRR - SUNY (Shipment #1) (to IFSF)	08/16/04	08/19/04			DRR - SUNY (Shipment #1) (to IFSF)	
854	DRR - SUNY (Shipment #2) (to IFSF)	12/24/04	12/27/04			DRR - SUNY (Shipment #2) (to IFSF)	
856	DRR - U of Wisconsin (Shipment #1) (to IFSF)	06/13/05	06/16/05			DRR - U of Wisconsin (Shipment #1) (to IFSF)	
857	DRR - U of Wisconsin (Shipment #2) (to IFSF)	07/28/05	08/01/05			DRR - U of Wisconsin (Shipment #2) (to IFSF)	
859	DRR- WSU (Shipment #1) (to IFSF)	07/23/07	07/26/07			DRR- WSU (Shipment #1) (to IFSF)	
860	DRR- WSU (Shipment #2) (to IFSF)	09/06/07	09/10/07			DRR- WSU (Shipment #2) (to IFSF)	
862	DRR - University of Utah (to IFSF)	01/04/10	01/07/10				DRR - University of Utah (to IFSF)
864	DRR - North Carolina University (1st Shipment) (to IFSF)	06/01/10	06/04/10				DRR - North Carolina University (1st Shipment) (to IFSF)
866	DRR - Sandia National Laboratory (to IFSF)	06/01/10	06/04/10				DRR - Sandia National Laboratory (to IFSF)
867	DRR - Cornell University (to IFSF)	04/01/11	04/04/11				DRR - Cornell University (to IFSF)
827	DRR Receipts 1 (to IFSF)	02/13/02	10/10/11				DRR Receipts 1 (to IFSF)
868	DRR - University of Arizona (to IFSF)	08/15/12	09/25/12				DRR - University of Arizona (to IFSF)
869	DRR - University of Utah (#1 Shipment) (to IFSF)	06/01/13	06/04/13				DRR - University of Utah (#1 Shipment) (to IFSF)
870	DRR - Kansas State University (to IFSF)	05/01/14	06/11/14				DRR - Kansas State University (to IFSF)
828	DRR - SRS Receipts (to IFSF)	10/10/11	12/17/14				DRR - SRS Receipts (to IFSF)
829	DRR - IFSF AL to SRS	10/10/11	12/17/14				DRR - IFSF AL to SRS
871	DRR - Pennsylvania State University (to IFSF)	04/15/16	04/18/16				DRR - Pennsylvania State University (to IFSF)
865	DRR - North Carolina University (2nd Shipment) (to IFSF)	09/01/19	09/04/19				DRR - North Carolina University (2nd Shipment) (to IFSF)
872	DRR - University of Illinois (to IFSF)	06/10/20	10/07/20				DRR - University of Illinois (to IFSF)
873	DRR - AFRRRI (NISH, Bethesda, MD) (to IFSF)	06/01/22	06/04/22				DRR - AFRRRI (NISH, Bethesda, MD) (to IFSF)
875	DRR - University of Utah (#2 Shipment) (to IFSF)	07/15/22	08/13/22				DRR - University of Utah (#2 Shipment) (to IFSF)
874	DRR - University of Maryland (to IFSF)	06/10/22	09/07/22				DRR - University of Maryland (to IFSF)
876	DRR - B&W NEI (Lynchburg) (to IFSF)	08/01/24	08/04/24				DRR - B&W NEI (Lynchburg) (to IFSF)
877	DRR - USGS (to IFSF)	03/01/30	05/29/30				DRR - USGS (to IFSF)
878	DRR - UC Irvine (to IFSF)	02/20/32	04/01/32				DRR - UC Irvine (to IFSF)
879	DRR - DOW Corporation (Midland) (to IFSF)	04/15/32	04/18/32				DRR - DOW Corporation (Midland) (to IFSF)
693	SNF SUMMARY FOR SNF DOMESTIC RECEIPTS & SHIPMENTS	10/01/97	09/28/32				
830	DRR Receipts 2 (to IFSF)	12/17/14	09/29/32				DRR Receipts 2 (to IFSF)
880	Complete DRR Receipts into ID per EIS	09/29/32	09/29/32				Complete DRR Receipts into ID per EIS
822	DRR - SENDING FACILITY ACTIVITIES	10/01/97	09/30/33				DRR - SENDING FACILITY ACTIVITIES
823	DRR - TRANSPORTATION ACTIVITIES	10/01/97	09/30/33				DRR - TRANSPORTATION ACTIVITIES
881	DRR - PROGRAM MANAGEMENT/SUPPORT	10/01/97	09/30/33				DRR - PROGRAM MANAGEMENT/SUPPORT
<b>Repository Activities</b>							
		<b>10/01/97</b>	<b>12/24/10</b>				
<i>Idaho National Engineering and Environmental Lab</i>							
728	Provide INEEL Data to Repository Draft EIS	10/01/97	07/29/98				Provide INEEL Data to Repository Draft EIS
727	Provide Qualified INEEL SNF Parameter Data for Repository License Application	10/01/97	08/24/00				Provide Qualified INEEL SNF Parameter Data for Repository License Application
731	Provide Review & Support to Repository Final EIS	07/29/98	09/21/00				Provide Review & Support to Repository Final EIS



**National Spent Nuclear Fuel Program - Master Logic Schedule**

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
732	Review Repository License Application	08/25/00	03/28/02		 Review Repository License Application		
734	Support Repository Interfaces with NRC License Application Review	03/29/02	11/13/06		 Support Repository Interfaces with NRC License Application Review		
<i>OCRWM</i>							
705	Issue Repository Draft EIS	07/30/98	07/30/98	 Issue Repository Draft EIS			
706	Complete Draft Repository License Application	08/25/00	08/25/00		 Complete Draft Repository License Application		
707	Issue Repository Final EIS	09/21/00	09/21/00		 Issue Repository Final EIS		
708	Submit Final Repository License Application to NRC	03/28/02	03/28/02		 Submit Final Repository License Application to NRC		
709	NRC Grants Repository License Application	11/13/06	11/13/06			 NRC Grants Repository License Application	
729	Dev & Finalize Characterization Reqs/Procedures for Repository	10/01/97	12/24/10				Dev & Finalize Characterization Reqs/Procedures



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>Oak Ridge Operations Office Spent Nuclear Fuel Program</b>							
		01/02/95	03/08/04				
<b>Fuel Receipt / Treatment / Packaging</b>							
		01/01/97	03/08/04				
676	Oak Ridge Assure Safe Existing Conditions	12/31/97	12/31/97		Oak Ridge Assure Safe Existing Conditions		
678	Oak Ridge's HFIR SNF TRANSFERED TO SRS	12/31/97	12/31/97		Oak Ridge's HFIR SNF TRANSFERED TO SRS		
685	MSRE - URANIUM DEPOSIT REMOVAL TO 3019	11/11/98	04/08/99		MSRE - URANIUM DEPOSIT REMOVAL TO 3019		
687	MSRE - FUEL & SALT REMOVAL	07/01/99	07/01/99		MSRE - FUEL & SALT REMOVAL		
686	MSRE URANIUM CONVERSION TO U308	10/08/99	08/21/00		MSRE URANIUM CONVERSION TO U308		
688	MSRE - URANIUM SEPARATION	12/30/99	06/26/03		MSRE - URANIUM SEPARATION		
682	Oak Ridge PACKAGE & TRANSFER NON-AL-CLAD SNF TO INEEL	01/01/97	09/30/03		Oak Ridge PACKAGE & TRANSFER NON-AL-CLAD SNF TO INEEL		
689	MSRE - URANIUM CONVERSION to U3O8	03/31/00	03/08/04		MSRE - URANIUM CONVERSION to U3O8		
691	MSRE -- URANIUM SALT OXIDE STORED	03/08/04	03/08/04		MSRE -- URANIUM SALT OXIDE STORED		
<b>Final Disposition Activities</b>							
		01/02/95	05/12/97				
680	BUILDING 7829 UPGRADES	01/02/95	07/15/95		BUILDING 7829 UPGRADES		
679	SIGN MOA DOE-ID/DOE-OR	05/12/97	05/12/97		SIGN MOA DOE-ID/DOE-OR		
<b>NEPA Activites</b>							
		05/21/98	05/21/98				
690	MSRE - CERCLA ROD	05/21/98	05/21/98		MSRE - CERCLA ROD		
<b>Other Near Term Activities</b>							
		06/29/96	09/30/03				
677	DOE-HQ APPROVAL TO RESUME DOE SNF SHIPMENTS	06/29/96	06/29/96		DOE-HQ APPROVAL TO RESUME DOE SNF SHIPMENTS		
681	Oak Ridge TRANSFER AL-CLAD SNF TO SRS	01/01/98	01/01/98		Oak Ridge TRANSFER AL-CLAD SNF TO SRS		
684	AMEND SARP FOR TN-FSV	10/01/98	09/30/00		AMEND SARP FOR TN-FSV		
683	Oak Ridge transfer SNF to INEEL	01/01/98	09/30/03		Oak Ridge transfer SNF to INEEL		
<b>National Spent Nuclear Fuel Program</b>							
		01/01/96	12/29/34				
<b>Fuel Receipt / Treatment / Packaging</b>							
		10/01/97	12/29/34				
<i>National Programs</i>							
224	Sites Commence Placement of SNF in Dry Storage in 2003	07/01/03	07/01/03		Sites Commence Placement of SNF in Dry Storage in 2003		
675	NSNFP SUMMARY FOR SUPPORT RW'S ACCEPTANCE & SHIPPING SNF	01/01/15	12/29/34				
<i>Idaho National Engineering and Environmental Lab</i>							
540	EBR-II Leakers shipped to ANL-W	10/01/97	02/27/98		EBR-II Leakers shipped to ANL-W		
239	Ready to Ship SNF from INEEL	01/01/15	01/01/15				Read
246	Ship SNF from Idaho	01/01/15	12/29/34				
247	All SNF from ID	12/29/34	12/29/34				
<i>Savannah River Site</i>							
242	Ready to Ship SNF from SRS	01/01/15	01/01/15				Read
245	Ship SNF from SRS	01/01/15	12/29/34				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14	
<b>Hanford</b>								
248	Hanford Start to Load MCO's	09/30/98	09/30/98		▶ Hanford Start to Load MCO's			
243	Ready to Ship SNF from Hanford	01/01/15	01/01/15				▶ Read	
244	Ship SNF from Hanford	01/01/15	12/29/34				▶	
<b>Fort St Vrain</b>								
241	Ship SNF from Colorado	01/01/15	12/29/34				▶	
250	All DOE SNF shipped from Colorado	12/29/34	12/29/34				▶	
<b>OCRWM</b>								
240	Repository Open for DOE SNF	01/01/15	01/01/15				▶ Repo	
249	Transfer DOE SNF to RW	01/01/15	12/29/34				▶	
<b>Processing and Treatment of SNF</b>								
		<b>10/01/97</b>	<b>12/30/09</b>	▶				
<b>National Programs</b>								
513	Treatment Technology - Initial Conceptual Flowsheets	10/01/97	01/02/98	▶	Treatment Technology - Initial Conceptual Flowsheets			
514	Treatment Technology - Complete draft Siting Methodology Report	10/01/97	01/02/98	▶	Treatment Technology - Complete draft Siting Methodology Report			
515	Treatment Technology - Process Product Disposition	10/01/97	03/02/98	▶	Treatment Technology - Process Product Disposition			
529	Treatment Technology - Enhanced Siting analysis	01/05/98	07/30/98	▶	Treatment Technology - Enhanced Siting analysis			
530	Treatment Technology - Revise Siting Report	07/31/98	09/29/98	▶	Treatment Technology - Revise Siting Report			
517	Chemical Reactivity - Reactivity Modeling	10/01/97	09/30/98	▶	Chemical Reactivity - Reactivity Modeling			
531	Treatment Technology - Enhanced Production Flowsheets	01/05/98	09/30/98	▶	Treatment Technology - Enhanced Production Flowsheets			
532	Treatment Technology - Product Disposition Update	03/03/98	09/30/98	▶	Treatment Technology - Product Disposition Update			
518	Treatment Technology - Update deployment evaluation	10/01/98	09/30/99		Treatment Technology - Update deployment evaluation			
519	Treatment Technology - Conceptual Production Flowsheets	10/01/98	09/30/99		Treatment Technology - Conceptual Production Flowsheets			
520	Treatment Technology - Product Life cycle disposition	10/01/98	09/30/99		Treatment Technology - Product Life cycle disposition			
560	Treatment Technology - Complete Deployment evaluation	10/01/99	12/30/99		Treatment Technology - Complete Deployment evaluation			
561	Treatment Technology - Complete Conceptual Production Flowsheets	10/01/99	12/30/99		Treatment Technology - Complete Conceptual Production Flowsheets			
562	Treatment Technology - Product Life cycle disposition	10/01/99	12/30/99		Treatment Technology - Product Life cycle disposition			
521	Chemical Reactivity - Y12 UH3 investigate	10/01/97	03/30/00	▶	Chemical Reactivity - Y12 UH3 investigate			
523	Treatment Technology - Issue final EMT report to DOE sites	12/31/99	06/01/00		Treatment Technology - Issue final EMT report to DOE sites			
522	Chemical Reactivity -Reactivity Experimental Overview	10/01/97	09/29/00	▶	Chemical Reactivity -Reactivity Experimental Overview			
524	Chemical Reactivity - Modify model	10/01/98	09/29/00		Chemical Reactivity - Modify model			
525	Chemical Reactivity - Analyze int. stor. & LA Scenario	10/01/98	09/28/01		Chemical Reactivity - Analyze int. stor. & LA Scenario			
512	Treatment Technology	10/01/97	02/27/02	▶	Treatment Technology			
516	Chemical Reactivity	10/01/97	02/27/02	▶	Chemical Reactivity			
527	Treatment Technology - General Oversight	10/01/97	02/27/02	▶	Treatment Technology - General Oversight			
526	Chemical Reactivity - Site / RW Interface	10/02/98	02/27/02		Chemical Reactivity - Site / RW Interface			
558	Chemical Reactivity Complete Milestone	02/27/02	02/27/02		▶ Chemical Reactivity Complete Milestone			
559	Chemical Reactivity Repository Design and Construction Support	02/28/02	12/30/09			▶	Chemical Reactivity Repository Design and Construction S	
<b>Argonne National Labs</b>								
534	EMT Technology - ANL FY-98 C/O	10/01/97	01/30/98	▶	EMT Technology - ANL FY-98 C/O			
535	Chemical Reactivity - Reactivity Support Work	10/01/97	09/30/98	▶	Chemical Reactivity - Reactivity Support Work			
537	EMT Technology - ANL research activities	10/01/97	06/01/99	▶	EMT Technology - ANL research activities			
536	EMT Technology - U-Moly EMT TESTING	10/01/99	09/30/03		▶	EMT Technology - U-Moly EMT TESTING		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>OCRWM</b>							
216	EM/RW MOA Treatment Requirements Complete	06/01/00	06/01/00		EM/RW MOA Treatment Requirements Complete		
<b>Material Science Studies</b>							
		05/05/97	08/01/06				
<b>National Programs</b>							
470	Project Plan for Release Rate Testing Program	05/05/97	04/01/98		Project Plan for Release Rate Testing Program		
509	Characterization of Microbial Samples	02/03/98	06/29/98		Characterization of Microbial Samples		
557	Sensitivity Analysis Material Recommendation for Canister Milestone	09/30/98	09/30/98		Sensitivity Analysis Material Recommendation for Canister Milestone		
498	Follow up A & T of Hydrogen Effects	01/07/98	10/02/98		Follow up A & T of Hydrogen Effects		
326	DOE SNF Corrosion Data Rpt - Eval Literature Collected	01/01/99	02/15/99		DOE SNF Corrosion Data Rpt - Eval Literature Collected		
325	DOE SNF Corrosion Data Rpt - Collect Additional Data From Site/tst	02/01/99	03/01/99		DOE SNF Corrosion Data Rpt - Collect Additional Data From Site/tst		
508	Arrange for AI Dry Storage Testing	10/01/98	05/18/99		Arrange for AI Dry Storage Testing		
505	Localized Corrosion in Dry Storage	11/07/97	07/29/99		Localized Corrosion in Dry Storage		
472	SNF Release Rate Testing - U Metal fuels	01/09/98	07/29/99		SNF Release Rate Testing - U Metal fuels		
474	SNF Release Rate Testing - U-AI Fuels	01/09/98	07/29/99		SNF Release Rate Testing - U-AI Fuels		
580	Determine Actual Damage to Pitted AI SNF	10/01/98	07/29/99		Determine Actual Damage to Pitted AI SNF		
475	Complete Initial Series of Release Rate Tests for Licensing	07/29/99	07/29/99		Complete Initial Series of Release Rate Tests for Licensing		
322	Corrosion Data Report - Write Corrosion Data Report	05/31/99	08/30/99		Corrosion Data Report - Write Corrosion Data Report		
471	SNF Release Rate Testing - MOX Fuels	01/07/98	09/30/99		SNF Release Rate Testing - MOX Fuels		
473	SNF Release Rate Testing - U-Th-Carb low-integ	01/07/98	09/30/99		SNF Release Rate Testing - U-Th-Carb low-integ		
321	Corrosion Data Rpt - Review/Issue Draft Report	08/31/99	09/30/99		Corrosion Data Rpt - Review/Issue Draft Report		
320	Corrosion Data Rpt - Incorp Site Comments/Issue Final Report	10/01/99	12/01/99		Corrosion Data Rpt - Incorp Site Comments/Issue Final Report		
479	SNF Release Rate Testing - U-Mo Fuels	01/17/00	11/14/01		SNF Release Rate Testing - U-Mo Fuels		
490	Materials Performance Analysis	10/01/97	02/27/02		Materials Performance Analysis		
476	SNF Release Rate Testing - U-Zr-Hx Fuels	10/02/00	07/31/02		SNF Release Rate Testing - U-Zr-Hx Fuels		
477	SNF Release Rate Testing - U-Th-C High-integ	10/02/00	07/31/02		SNF Release Rate Testing - U-Th-C High-integ		
480	SNF Release Rate Testing - U-Zr Alloy Fuels	04/03/02	01/30/04		SNF Release Rate Testing - U-Zr Alloy Fuels		
481	SNF Release Rate Testing - U-Th Oxide Fuel	10/01/02	07/29/04		SNF Release Rate Testing - U-Th Oxide Fuel		
478	SNF Release Rate Testing - U-Si Fuels	04/07/03	02/02/05		SNF Release Rate Testing - U-Si Fuels		
482	SNF Release Rate Testing - Carbide non-graphite	06/03/03	03/31/05		SNF Release Rate Testing - Carbide non-graphite		
633	SNF Release Rate Testing Program	05/05/97	08/01/06		SNF Release Rate Testing Program		
483	SNF Release Rate Testing - Others ident by test	10/01/04	08/01/06		SNF Release Rate Testing - Others ident by test		
484	Complete Final Series of Release Rate Tests	08/01/06	08/01/06		Complete Final Series of Release Rate Tests		
<b>Characterization and Data Gathering</b>							
		05/05/97	12/31/09				
<b>National Programs</b>							
491	Sensitivity Analysis on Matls. Effects from HEU Fission Prod	10/01/97	01/12/98		Sensitivity Analysis on Matls. Effects from HEU Fission Proc		
507	Sampling of Fuel Assemblies in CPP-666	12/01/97	02/02/98		Sampling of Fuel Assemblies in CPP-666		
486	Sensitivity Analysis of Reactive Compound Gen from Carbons	11/11/97	03/16/98		Sensitivity Analysis of Reactive Compound Gen from Carbons		
316	Source Term - ID fuel inventory, site, mass, HTHM, etc	02/02/98	03/16/98		Source Term - ID fuel inventory, site, mass, HTHM, etc		
487	Sensitivity Analysis for Effects of free Hydrogen on Pkg.	05/05/97	03/30/98		Sensitivity Analysis for Effects of free Hydrogen on Pkg.		
488	Sensitivity Analysis on H2O Effects in SNF Canisters	10/22/97	03/30/98		Sensitivity Analysis on H2O Effects in SNF Canisters		
493	Compile Matls. Requirements Manual for Guidance Document	02/25/98	08/25/98		Compile Matls. Requirements Manual for Guidance Document		
357	Source Term - Find PIE data available (by site)	03/16/98	08/31/98		Source Term - Find PIE data available (by site)		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
497	Generate Drying Standards for DOE SNF	01/07/98	09/25/98		Generate Drying Standards for DOE SNF		
492	Sensitivity Analysis on Inter. between HLW & SNF Canisters	04/01/98	09/28/98		Sensitivity Analysis on Inter. between HLW & SNF Canisters		
360	TSPA - VA	10/01/97	09/29/98		TSPA - VA		
506	Development of Corrosion Test Plan	11/07/97	09/29/98		Development of Corrosion Test Plan		
496	Pkg. Standards for Particulate & Reactive SNF	03/30/98	09/29/98		Pkg. Standards for Particulate & Reactive SNF		
551	TSPA - VA Milestone	09/29/98	09/29/98		TSPA - VA Milestone		
364	SNL PA - Waste Package Model Development	10/01/97	09/30/98		SNL PA - Waste Package Model Development		
368	Source Term Activities FY-98	10/01/97	09/30/98		Source Term Activities FY-98		
495	Interpret the RW M&O Mat'l's. Design Envelope	06/02/97	12/18/98		Interpret the RW M&O Mat'l's. Design Envelope		
345	Source Term - Layout how to evaluate fuels / validate method	02/15/99	03/17/99		Source Term - Layout how to evaluate fuels / validate method		
317	Develop Cross Section Validation- Fab Si Disk	01/01/99	03/30/99		Develop Cross Section Validation- Fab Si Disk		
347	Source Term - ID largest mass Fuels, set calc. .... etc	02/01/99	03/31/99		Source Term - ID largest mass Fuels, set calc. .... etc		
324	Corrosion Data Rpt - Complex Wide Agree'm't on Categories	03/02/99	05/28/99		Corrosion Data Rpt - Complex Wide Agree'm't on Categories		
323	Corrosion Data Rpt - Develop Report Contents	05/03/99	05/28/99		Corrosion Data Rpt - Develop Report Contents		
373	Source Term - Activities FY-99	10/01/98	06/01/99		Source Term - Activities FY-99		
402	Develop Fuel Group Report	04/01/98	06/28/99		Develop Fuel Group Report		
396	Support Preparation of Must Have Fuel Group Data Pkgs.	06/29/98	06/28/99		Support Preparation of Must Have Fuel Group Data Pkgs.		
510	MIC Samples in SRS Instr. Test Canister	10/01/98	07/29/99		MIC Samples in SRS Instr. Test Canister		
581	Documentation of 1997 & 1998 Testing	10/01/98	07/29/99		Documentation of 1997 & 1998 Testing		
358	Source Term - Research fuel Information/do calc./drft rpt	03/18/99	08/31/99		Source Term - Research fuel Information/do calc./drft rpt		
258	NDA / NDE Demonstration	10/01/97	09/30/99		NDA / NDE Demonstration		
377	SNL PA NSNFP Support	10/01/98	09/30/99		SNL PA NSNFP Support		
359	Source Term - Review Methodology w/RW	08/02/99	09/30/99		Source Term - Review Methodology w/RW		
367	Source Term - Complete final Rpt w/cal, w/pln to present	09/30/99	10/29/99		Source Term - Complete final Rpt w/cal, w/pln to present		
369	Source Term - Setup Meeting With NRC to Present	11/01/99	11/30/99		Source Term - Setup Meeting With NRC to Present		
370	Source Term - Presentation Meeting with NRC	12/01/99	12/01/99		Source Term - Presentation Meeting with NRC		
213	Support EM Review of Must Have Fuel Group Data Pkgs.	06/29/99	03/27/00		Support EM Review of Must Have Fuel Group Data Pkgs.		
315	Source Term Development	03/17/98	03/31/00		Source Term Development		
371	Source Term - Resolve NRC questions/comments	12/02/99	03/31/00		Source Term - Resolve NRC questions/comments		
372	Source Term - To License Application	03/31/00	03/31/00		Source Term - To License Application		
417	High Priority Performance Parameters (HPPP)	10/01/98	06/01/00		High Priority Performance Parameters (HPPP)		
257	NDA / NDE System Development	10/01/97	09/29/00		NDA / NDE System Development		
259	Final Engineering of NDA / NDE	10/01/99	09/29/00		Final Engineering of NDA / NDE		
261	NDA / NDE System Ready for Deployment	09/29/00	09/29/00		NDA / NDE System Ready for Deployment		
386	SNF/HLW Priority & Deliv Commit Sch to Reposit. - Base	10/01/98	09/28/01		SNF/HLW Priority & Deliv Commit Sch to Reposit. - Base		
659	SNF/HLW Priority & Deliv Commit Sch to Reposit. - Supplemental	10/01/98	09/28/01		SNF/HLW Priority & Deliv Commit Sch to Reposit. - Supplemental		
387	TSPA - License Application Prepare & Review	06/16/00	09/28/01		TSPA - License Application Prepare & Review		
503	Maintain Interface with RW and NRC on mat'l's	10/03/97	02/27/02		Maintain Interface with RW and NRC on mat'l's		
260	Fuel Qualification	10/02/00	06/30/03		Fuel Qualification		
467	Hardware Performance	10/01/98	09/30/03		Hardware Performance		
388	TSPA - License Application (Q&A)	10/01/02	09/29/06		TSPA - License Application (Q&A)		
554	Complete Response to NRC Questions	09/29/06	09/29/06		Complete Response to NRC Questions		
389	TSPA - PSAR	10/02/06	09/28/07		TSPA - PSAR		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
468	Hardware Performance 2003-2006	10/01/03	09/30/08				Hardware Performance 2003-2006
392	NSNFP Support of RW's TSPA (VA,License Application)	10/04/99	09/30/09				NSNFP Support of RW's TSPA (VA,License Application)
390	SNF/HLW Revise annual Delivery / Commit Schedule (60 months Prior to Shipments)	10/01/02	12/31/09				SNF/HLW Revise annual Delivery / Commit Schedule (60 months Prior to Shipments)
<b>Sandia National Lab</b>							
365	SNL complete FY-97 PA (FY-98 Work)	10/01/97	09/30/98				SNL complete FY-97 PA (FY-98 Work)
366	SNL complete FY-97 PA task 51 (FY-98 Work)	10/01/97	09/30/98				SNL complete FY-97 PA task 51 (FY-98 Work)
<b>OCRWM</b>							
212	RW Submit VA to Congress	09/30/98	09/30/98				RW Submit VA to Congress
621	Criticality - U-Th-Pu Fuels - RW Analysis Report - Generate & Review	03/07/00	08/28/00				Criticality - U-Th-Pu Fuels - RW Analysis Report - Generate & Review
629	Criticality - LEO Oxide Fuels - RW Analysis Report - Generate & Review	05/05/00	10/26/00				Criticality - LEO Oxide Fuels - RW Analysis Report - Generate & Review
391	TSPA - Operating License / Acceptance	10/01/07	09/30/09				TSPA - Operating License / Acceptance
393	TSPA - FSAR	10/01/07	12/31/09				TSPA - FSAR
555	FSAR Input Complete Milestone	12/31/09	12/31/09				FSAR Input Complete Milestone
<b>Final Disposition Activities</b>							
		<b>05/01/96</b>	<b>12/31/15</b>				
<b>National Programs</b>							
47	ISSUE PROTOCOL FOR DATA QUALIFICATION TO RW-0333	05/01/96	05/01/96				ISSUE PROTOCOL FOR DATA QUALIFICATION TO RW-0333
26	Design Basis Events - DBE LTR Report	12/31/97	12/31/97				Design Basis Events - DBE LTR Report
13	Canister Specification - Draft ICD for Review	12/01/97	02/13/98				Canister Specification - Draft ICD for Review
29	Canister Loading Must haves Document Prep	11/03/97	03/11/98				Canister Loading Must haves Document Prep
31	Canister Loading Must haves Document Issue	03/25/98	03/25/98				Canister Loading Must haves Document Issue
30	Canister Loading Document review / Comments	03/12/98	03/25/98				Canister Loading Document review / Comments
24	Design Basis Events - Group Fuels for DBE	10/01/97	04/01/98				Design Basis Events - Group Fuels for DBE
48	FINALIZE CHAR. GUIDANCE DOCUM.	01/01/98	04/17/98				FINALIZE CHAR. GUIDANCE DOCUM.
19	TSPA - Sensitivity Calculations	04/01/98	09/01/98				TSPA - Sensitivity Calculations
18	TSPA - Base Case	10/01/97	09/30/98				TSPA - Base Case
20	TSPA - VA Report	10/01/98	10/01/98				TSPA - VA Report
25	Design Basis Events - for DOE SNF	04/10/98	11/11/98				Design Basis Events - for DOE SNF
33	EM IDENTIFY DISPOSITION FOR EACH SNF TYPE	06/29/99	06/29/99				EM IDENTIFY DISPOSITION FOR EACH SNF TYPE
34	COMPLETE SHIPMENT OF FRR SNF	06/01/09	06/01/09				COMPLETE SHIPMENT OF FRR SNF
35	FIRST DOE SNF READY FOR MGDS DISPOSITION	12/31/15	12/31/15				FIRST DOE SNF READY FOR MGDS DISPOSITION
<b>Idaho National Engineering and Environmental Lab</b>							
10	DEMONSTRATE NON-DESTRUCTIVE ASSAY OF SNF	12/31/97	12/31/97				DEMONSTRATE NON-DESTRUCTIVE ASSAY OF SNF
<b>Savannah River Site</b>							
32	ISSUE FRR EIS ROD	05/12/96	05/12/96				ISSUE FRR EIS ROD
<b>Data Requirements/Gathering/Validation</b>							
		<b>01/01/96</b>	<b>09/29/34</b>				
<b>National Programs</b>							
395	Guidance Document Rev 00 issued	09/30/97	09/30/97				Guidance Document Rev 00 issued
404	Independent Research for Procedure Development FY-98	10/01/97	09/29/98				Independent Research for Procedure Development FY-98
403	Update and Maintain Guidance Document (1998)	10/02/97	09/29/98				Update and Maintain Guidance Document (1998)
648	Guidance Document (VA Information)	09/30/98	09/30/98				Guidance Document (VA Information)
399	Develop Must Have Canister Data - Prior to Loading	04/01/98	09/30/98				Develop Must Have Canister Data - Prior to Loading
397	Must Have Canister Data (INEEL,SRS)	09/30/98	09/30/98				Must Have Canister Data (INEEL,SRS)



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
637	Guidance Document (Canister / Basket Information)	09/30/98	09/30/98		▶ Guidance Document (Canister / Basket Information)		
651	Reissue Guidance Document (VA, Canister Basket)	09/30/98	09/30/98		▶ Reissue Guidance Document (VA, Canister Basket)		
400	Support Preparation of Must Have Canister Data Pkgs.	10/01/98	09/30/99		█ Support Preparation of Must Have Canister Data Pkgs.		
405	Update and Maintain Guidance Document	10/01/98	09/30/99		█ Update and Maintain Guidance Document		
635	Guidance Document (Source Term Information)	03/31/00	03/31/00		▶ Guidance Document (Source Term Information)		
638	Guidance Document (DBE Information)	05/30/00	05/30/00		▶ Guidance Document (DBE Information)		
644	Guidance Document (Criticality Studies Information)	05/31/00	05/31/00		▶ Guidance Document (Criticality Studies Information)		
636	Guidance Document (HPPP Information)	06/01/00	06/01/00		▶ Guidance Document (HPPP Information)		
652	Reissue Guidance Document (HPPP, Crit, DBE, ST)	06/01/00	06/01/00		▶ Reissue Guidance Document (HPPP, Crit, DBE, ST)		
401	Support EM Review of Must Have Canister Data Pkgs.	10/01/99	06/29/00		█ Support EM Review of Must Have Canister Data Pkgs.		
443	Data Package Peer Reviews	10/01/99	09/29/00		█ Data Package Peer Reviews		
582	Update and Maintain Guidance Document	10/01/99	09/29/00		█ Update and Maintain Guidance Document		
646	Guidance Document (NDA / NDE Information)	09/29/00	09/29/00		▶ Guidance Document (NDA / NDE Information)		
645	Guidance Document (Canister / Basket Procurement Information)	12/29/00	12/29/00		▶ Guidance Document (Canister / Basket Procurement Information)		
653	Reissue Guidance Document (NDA / NDE, Canister/Basket)	12/29/00	12/29/00		▶ Reissue Guidance Document (NDA / NDE, Canister/Basket)		
590	Update and Maintain Guidance Document	10/02/00	09/28/01		█ Update and Maintain Guidance Document		
642	Guidance Document (Material Analysis Information)	02/27/02	02/27/02		▶ Guidance Document (Material Analysis Information)		
643	Guidance Document (Treatment Technologies Information)	02/27/02	02/27/02		▶ Guidance Document (Treatment Technologies Information)		
647	Guidance Document (License Submittal Information)	02/28/02	02/28/02		▶ Guidance Document (License Submittal Information)		
654	Reissue Guidance Document (Material, Treatment, LA)	02/28/02	02/28/02		▶ Reissue Guidance Document (Material, Treatment, LA)		
583	Update and Maintain Guidance Document	10/01/01	09/27/02		█ Update and Maintain Guidance Document		
589	Update and Maintain Guidance Document	10/01/02	09/29/03		█ Update and Maintain Guidance Document		
429	Interface Control Document (ICD)	10/01/98	06/30/04		█ Interface Control Document (ICD)		
639	Reissue Guidance Document (ICD Information)	06/30/04	06/30/04		▶ Reissue Guidance Document (ICD Information)		
588	Update and Maintain Guidance Document	10/01/03	09/28/04		█ Update and Maintain Guidance Document		
586	Update and Maintain Guidance Document	10/01/04	09/29/05		█ Update and Maintain Guidance Document		
641	Reissue Guidance Document (Release Rate Information)	08/01/06	08/01/06		▶ Reissue Guidance Document (Release Rate Information)		
585	Update and Maintain Guidance Document	10/03/05	09/29/06		█ Update and Maintain Guidance Document		
587	Reissue Guidance Document (NRC License to Construct Requirements)	09/29/06	09/29/06		▶ Reissue Guidance Document (NRC License to Construct Requirements)		
584	Update and Maintain Guidance Document	10/02/06	09/27/07		█ Update and Maintain Guidance Document		
640	Reissue Guidance Document (Cask and Transportation System Information)	10/01/07	10/01/07		▶ Reissue Guidance Document (Cask and Transportation System Information)		
407	Update and Maintain Guidance Document	09/28/07	12/29/09		█ Update and Maintain Guidance Document		
228	EM/RW Data Requirements Complete (MOA / Guidance Document)	12/29/09	12/29/09		▶ EM/RW Data Requirements Complete (MOA / Guidance Document)		
438	Data Package Preparation Guidelines - Base	10/01/99	12/31/09		█ Data Package Preparation Guidelines - Base		
660	Data Package Preparation Guidelines - Supplemental	10/01/99	12/31/09		█ Data Package Preparation Guidelines - Supplemental		
435	Data Package Preparation Guideline Issued to the RL	12/31/09	12/31/09		▶ Data Package Preparation Guideline Issued to the RL		
436	Data Package Preparation Guideline Issued to the SRS	12/31/09	12/31/09		▶ Data Package Preparation Guideline Issued to the SRS		
437	Data Package Preparation Guideline Issued to the INEEL	12/31/09	12/31/09		▶ Data Package Preparation Guideline Issued to the INEEL		
671	NSNFP SUMMARY FOR SUPPORT GETTING DOE'S SNF INTO RW'S DESIGN	01/01/96	01/01/10	█	█ NSNFP SUMMARY FOR SUPPORT GETTING DOE'S SNF INTO RW'S DESIGN		
672	NSNFP SUMMARY FOR DEVELOP DATA PACKAGE GUIDELINES	04/01/98	01/01/10	█	█ NSNFP SUMMARY FOR DEVELOP DATA PACKAGE GUIDELINES		
427	Data Needs	05/29/98	01/01/10	█	█ Data Needs		
408	Guidance Document issued (NRC Licence Issued)	01/01/10	01/01/10		▶ Guidance Document issued (NRC Licence Issued)		
649	Reissue Guidance Document (Final DIS Information)	01/01/10	01/01/10		▶ Reissue Guidance Document (Final DIS Information)		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
238	Sites Finalize / Review DOE SNF Data Packages (12 month notification per MOA)	01/04/10	01/01/14				
673	NSNFP SUMMARY FOR SUPPORT SUBMITTING, REVIEWING & APPROVING DAT	01/04/10	01/01/14				
406	Guidance Document	01/04/10	12/31/14				
650	Reissue Guidance Document (First Shipments Information)	01/01/15	01/01/15				
439	Data Package Preparation Support - Base	10/02/06	09/30/30				
661	Data Package Preparation Support - Supplemental	10/02/06	09/30/30				
441	Data Package Peer Reviews Supplemental	10/02/00	09/29/34				
<b>Idaho National Engineering and Environmental Lab</b>							
234	SRS Submit 1st Data Package for Review	01/04/10	01/04/10				
237	INEEL Submit 1st Data Package for review	01/04/10	01/04/10				
<b>Hanford</b>							
233	RL Submit 1st Data Package for Review	01/04/10	01/04/10				
<b>OCRWM</b>							
634	RW Issue Interface Control Document (ICD)	09/30/98	09/30/98				
231	RW Issue Final Disposability Interface Specification (DIS)	01/01/10	01/01/10				
232	EM/RW MOA Packaging Requirements Complete	01/01/10	01/01/10				
235	RW Review Data Packages for First Shipments	01/04/10	12/31/14				
<b>Fuel Packaging and Canister Specifications</b>							
		<b>01/01/97</b>	<b>09/28/01</b>				
<b>National Programs</b>							
295	Canister Specification FY-1997	01/01/97	09/30/97				
12	Canistor Specfication - Drop Testing	12/01/97	01/01/98				
27	MCO Quicklook - Draft Rep't for Review	10/01/97	02/27/98				
28	MCO Quicklook - Final Report	03/02/98	04/10/98				
11	Issue Draft Standard Canister Specification	02/15/97	07/01/98				
296	Canister Basket Spec/Design	10/01/97	09/30/98				
299	Canister Specification FY-1998	10/01/97	09/30/98				
398	Review/Comment Incorp. RL MCO Quick-Look Eval. Prior to Loading	02/02/98	09/30/98				
298	Canister Specification Available for Site Use - (INEEL,SRS,RL)	09/30/98	09/30/98				
300	Canister Basket Specification Review	10/01/98	01/29/99				
312	Canister Basket Specification Initiate Vendor Procurement	01/01/99	02/26/99				
311	Canister Basket Specification - Design/Design Review	03/01/99	06/30/99				
489	Preliminary Design Zr-Hf Standard Canister	11/17/97	07/26/99				
302	Canister Basket Specification - Prototype Testing	07/01/99	08/30/99				
297	Canister / Basket Design - FY99	10/01/98	09/30/99				
309	Canister Basket Design/Packaging by Fuel Info	10/01/98	09/30/99				
301	Canister Basket Specification - Final Design	08/31/99	12/30/99				
308	Canister Basket Design - Initiate Design Services	10/01/99	01/14/00				
310	Canister Basket Spec - Design Docum Completion	12/31/99	02/29/00				
657	Canister / Basket Design FY-00 - Base	10/01/99	03/31/00				
668	Canister / Basket Design FY-00 - Supplemental	10/01/99	03/31/00				
14	Canistor Specification - Baseline ICD	04/01/00	04/01/00				
303	Canister Basket Design - Design Review Fuel Specific w/Crit Studies	01/17/00	06/30/00				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
307	Canister Basket Design - Prototype tests	04/03/00	07/28/00		Canister Basket Design - Prototype tests		
17	COMPLETE DOE STANDARD CANISTER DEVELOPMENT	09/15/00	09/15/00		COMPLETE DOE STANDARD CANISTER DEVELOPMENT		
501	Interface with Canister Pkg. Designers at sites	01/07/98	09/26/00		Interface with Canister Pkg. Designers at sites		
306	Canister Basket Design - Final Design Fuel Specification	07/03/00	09/29/00		Canister Basket Design - Final Design Fuel Specification		
656	Canister / Basket Design	01/01/97	12/29/00		Canister / Basket Design		
305	Canister Basket Design - Design Document	10/02/00	12/29/00		Canister Basket Design - Design Document		
304	Canister / Basket Design - Ready For Procurement (INEEL, SRS, RL)	12/29/00	12/29/00		Canister / Basket Design - Ready For Procurement (INEEL, SRS, RL)		
550	Canister Basket Design Complete Milestone	12/29/00	12/29/00		Canister Basket Design Complete Milestone		
313	Site Canister Procurement Assistance FY-99 - 01	10/01/98	09/28/01		Site Canister Procurement Assistance FY-99 - 01		
<b>NEPA Activites</b>							
		10/01/97	09/29/00				
<i>National Programs</i>							
382	EIS Support - Base Support	10/01/98	08/25/00		EIS Support - Base Support		
658	EIS Support - Supplemental Support	10/01/98	08/25/00		EIS Support - Supplemental Support		
<i>OCRWM</i>							
215	RW Prepare / Review/ Public Comment Draft EIS	10/01/97	12/24/99		RW Prepare / Review/ Public Comment Draft EIS		
219	RW Prepare Final EIS	12/28/99	08/25/00		RW Prepare Final EIS		
220	RW Record of Decision	09/29/00	09/29/00		RW Record of Decision		
<b>Licensing Activities</b>							
		10/01/96	01/01/10				
<i>National Programs</i>							
410	Technical Support for License Application and NEPA, FY-97	04/30/97	09/30/97		Technical Support for License Application and NEPA, FY-97		
428	EM Develop DBE Groupings	02/02/98	04/01/98		EM Develop DBE Groupings		
425	EM Develop Bounding Isotopes for DBE group	03/16/98	05/01/98		EM Develop Bounding Isotopes for DBE group		
419	FY-98 Incorporate DOE SNF in Repository Envelope	10/01/97	05/28/98		FY-98 Incorporate DOE SNF in Repository Envelope		
420	EM Develop DBE Gaseous and Particulates Release Fractions	04/15/98	06/01/98		EM Develop DBE Gaseous and Particulates Release Fractions		
411	Technical Support for License Application and NEPA, FY-98	10/01/97	09/30/98		Technical Support for License Application and NEPA, FY-98		
424	EM Complete Report Document DBE Groups, Isotopes, Release Fractions	06/02/98	09/30/98		EM Complete Report Document DBE Groups, Isotopes, Release Fractions		
632	LA DBE Scenarios	10/01/98	09/30/99		LA DBE Scenarios		
214	EM Input to RW Modeling for License Application	09/30/99	09/30/99		EM Input to RW Modeling for License Application		
426	Finalize LA DBE	10/01/99	05/30/00		Finalize LA DBE		
380	DOE SNF Input to TSPA License Application	06/15/00	06/15/00		DOE SNF Input to TSPA License Application		
217	DOE input to License Application	10/01/96	06/29/00		DOE input to License Application		
218	Final EM input to License Application	06/29/00	06/29/00		Final EM input to License Application		
384	NRC License Support (FY99/00) - Design Envelope	10/01/98	09/29/00		NRC License Support (FY99/00) - Design Envelope		
553	DOE-EM Input to License Application Milestone	09/28/01	09/28/01		DOE-EM Input to License Application Milestone		
286	NRC Interface Support,Overall	10/01/98	09/30/02		NRC Interface Support,Overall		
<i>OCRWM</i>							
631	RW Develop Preliminary DBE Scenarios	02/20/98	03/20/98		RW Develop Preliminary DBE Scenarios		
418	Incorporate DOE SNF in Repository Envelope	10/01/97	05/28/98		Incorporate DOE SNF in Repository Envelope		
421	RW Complete DBE Preliminary Allowable Release	05/04/98	07/31/98		RW Complete DBE Preliminary Allowable Release		
422	RW Complete DBE Preliminary Surface Handling Analysis	05/01/98	08/28/98		RW Complete DBE Preliminary Surface Handling Analysis		
423	RW Complete DBE Letter Report	07/15/98	09/30/98		RW Complete DBE Letter Report		
378	TSPA - License Application	10/01/98	06/15/00		TSPA - License Application		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
379	TSPA for License Application	06/15/00	06/15/00		TSPA for License Application		
221	RW Finalize License Application	06/30/00	02/28/01		RW Finalize License Application		
222	RW License Application Product Review	03/01/01	02/28/02		RW License Application Product Review		
223	RW Submit License Application to NRC	02/28/02	02/28/02		RW Submit License Application to NRC		
225	NRC Review Repository License (Part 1)	03/01/02	12/29/05			NRC Review Repository License (Part 1)	
226	Repository License to Construct	12/29/05	12/29/05			Repository License to Construct	
227	Repository Construction	12/30/05	01/01/10			Repository Construction	
229	NRC Review Repository License (Part 2)	12/30/05	01/01/10			NRC Review Repository License (Part 2)	
230	Repository Open for Commercial SNF License to Operate Approved	01/01/10	01/01/10			Repository Open for Commercial SNF License to Operate	
<b>Transportation Issues and Support</b>							
		01/01/96	12/30/14				
<i>National Programs</i>							
431	Transportation Safeguards and Preliminary Packaging Engineering Study (SNL) FY - 1998	10/01/97	09/30/98		Transportation Safeguards and Preliminary Packaging Engineering Study (SNL) FY - 1998		
444	Spent Nuclear Fuel Consolidated Transportation Plan	10/01/97	09/30/98		Spent Nuclear Fuel Consolidated Transportation Plan		
445	Transportation System Concept Development	10/01/97	09/30/98		Transportation System Concept Development		
669	Preliminary Packaging Engineering Study	10/01/97	09/30/98		Preliminary Packaging Engineering Study		
670	Draft Conceptual Design Report for DOE SNF Transportation System	10/01/98	09/29/99		Draft Conceptual Design Report for DOE SNF Transportation System		
432	Transportation Safeguards (SNL) FY - 1999	10/01/98	09/30/99		Transportation Safeguards (SNL) FY - 1999		
563	Draft Conceptual Design Report for DOE-SNF Transportation System	10/01/98	09/30/99		Draft Conceptual Design Report for DOE-SNF Transportation System		
566	Prepare Specifications for Detailed design of Casks and Equipment - Base	10/01/99	09/29/00		Prepare Specifications for Detailed design of Casks and Equipment - Base		
662	Prepare Specifications for Detailed design of Casks and Equipment - Supplemental	10/01/99	09/29/00		Prepare Specifications for Detailed design of Casks and Equipment - Supplemental		
567	Prepare Procurement Specification for Design and licensing of Casks and Equipment	10/02/00	03/30/01		Prepare Procurement Specification for Design and licensing of Casks and Equipment		
568	Procure Design and Licensing Services from Outside Vendor	04/02/01	09/28/01		Procure Design and Licensing Services from Outside Vendor		
570	Design and License Procurement Task Management	10/01/01	09/28/04		Design and License Procurement Task Management		
569	Detailed Design and License of Casks and Equipment	10/01/01	09/30/04		Detailed Design and License of Casks and Equipment		
655	Cask System Concept Design and Development	10/01/97	04/01/05		Cask System Concept Design and Development		
571	Prepare Cask System Procurement Specifications	10/01/04	04/01/05		Prepare Cask System Procurement Specifications		
564	Packaging Engineering Support - Base	10/01/98	09/30/05		Packaging Engineering Support - Base		
664	Packaging Engineering Support - Supplemental	10/01/98	09/30/05		Packaging Engineering Support - Supplemental		
572	Procure Fabrication of Casks and Equipment	04/04/05	10/04/05		Procure Fabrication of Casks and Equipment		
674	NSNFP SUMMARY FOR SUPPORT RW'S TRANSPORTATION SYSTEM	01/01/96	09/28/07		NSNFP SUMMARY FOR SUPPORT RW'S TRANSPORTATION SYSTEM		
574	First Cask System Complete	10/01/07	10/01/07		First Cask System Complete		
576	Cask System General Operating Procedures Development	10/01/07	09/30/08		Cask System General Operating Procedures Development		
578	Cask System Site Specific Operating Procedures Development	10/01/08	09/30/10		Cask System Site Specific Operating Procedures Development		
573	Cask System Fabrication (8 units)	10/05/05	10/04/11		Cask System Fabrication (8 units)		
575	Cask System Procurement Task Management	10/05/05	10/04/11		Cask System Procurement Task Management		
577	Cask Systems Acceptance and Start-up testing	10/01/07	09/28/12		Cask Systems Acceptance and Start-up testing		
565	Repository and Consolidation Site Transportation Interface - Base	10/01/98	09/29/14		Repository and Consolidation Site Transportation Interface - Base		
663	Repository and Consolidation Site Transportation Interface - Supplemental	10/01/98	09/29/14		Repository and Consolidation Site Transportation Interface - Supplemental		
579	Cask System Training and Start-up Testing at Consolidation Sites	10/01/12	09/30/14		Cask System Training and Start-up Testing at Consolidation Sites		
274	Transportation Related Issues - intersite	10/02/00	12/30/14		Transportation Related Issues - intersite		
<b>General Support and Project Management</b>							
		10/01/96	12/28/34				
<i>National Programs</i>							



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
284	DOE-HQ Liaison Activities	10/01/96	10/01/96	DOE-HQ Liaison Activities			
268	FY97 Support	04/30/97	09/30/97	█ FY97 Support			
539	Post ROD (WP-300806000) C/O	10/01/97	02/27/98	█ Post ROD (WP-300806000) C/O			
50	Update Master Logic Schedule for August Issuance	07/06/98	08/28/98	█ Update Master Logic Schedule for August Issuance			
269	HQ Support FY-1998	10/01/97	09/30/98	█ HQ Support FY-1998			
285	Regulatory Affairs Support FY-1998	10/01/97	09/30/98	█ Regulatory Affairs Support FY-1998			
448	Planning (FY98)	10/01/97	09/30/98	█ Planning (FY98)			
449	Control & Reporting (FY98)	10/01/97	09/30/98	█ Control & Reporting (FY98)			
450	Direction & Management (FY98)	10/01/97	09/30/98	█ Direction & Management (FY98)			
451	PBS FY-98	10/01/97	09/30/98	█ PBS FY-98			
455	Program Management Procedures	10/01/97	09/30/98	█ Program Management Procedures			
456	Information Management Tracking	10/01/97	09/30/98	█ Information Management Tracking			
457	Program Reports	10/01/97	09/30/98	█ Program Reports			
458	Training Coordination	10/01/97	09/30/98	█ Training Coordination			
494	Project Management Support	10/01/97	09/30/99	█ Project Management Support			
412	Technical Support for License Application and NEPA, FY-99	10/01/98	09/30/99	█ Technical Support for License Application and NEPA, FY-99			
502	Participate in Pkg. Design Reviews	01/07/98	09/26/00	█ Participate in Pkg. Design Reviews			
280	Data Input, Analysis & S/W Maintain. Spent Fuel Database FY-98/00	10/01/97	09/29/00	█ Data Input, Analysis & S/W Maintain. Spent Fuel Database FY-98/00			
413	Technical Support for License Application and NEPA, FY-00	10/01/99	09/29/00	█ Technical Support for License Application and NEPA, FY-00			
414	Technical Support for License Application and NEPA, FY-01	10/02/00	09/28/01	█ Technical Support for License Application and NEPA, FY-01			
463	Training - Preparation of Data Packages	10/01/98	10/01/01	█ Training - Preparation of Data Packages			
462	Training - Waste Package Analyses	10/02/98	10/01/01	█ Training - Waste Package Analyses			
270	Issues Management FY-98/02	10/01/97	09/30/02	█ Issues Management FY-98/02			
277	Update & Analysis of the Master Logic Schedule	10/01/97	09/30/02	█ Update & Analysis of the Master Logic Schedule			
291	National SNF Stakeholder Program FY-98-02	10/01/97	09/30/02	█ National SNF Stakeholder Program FY-98-02			
288	RCRA Support	10/01/98	09/30/02	█ RCRA Support			
452	Continue Project Management Support (FY99/02) - Supplemental	10/01/98	09/30/02	█ Continue Project Management Support (FY99/02) - Supplemental			
665	Continue Project Management Support (FY99/02) - Base	10/01/98	09/30/02	█ Continue Project Management Support (FY99/02) - Base			
287	Regulatory Support (HQ)	10/02/98	09/30/02	█ Regulatory Support (HQ)			
459	Document Control & Records Management	10/01/97	09/30/03	█ Document Control & Records Management			
271	NWPA Related Issues	10/01/98	09/27/04	█ NWPA Related Issues			
415	Technical Support for License Application and NEPA, FY-02-06	10/02/01	12/28/05	█ Technical Support for License Application and NEPA, FY-02-06			
289	Continue Regulatory Affairs Support	03/26/04	12/28/05	█ Continue Regulatory Affairs Support			
282	Data Input, Analysis & S/W Maint Spent Fuel Database FY- 01/06	10/02/00	09/29/06	█ Data Input, Analysis & S/W Maint Spent Fuel Database FY- 01/06			
666	Continue Project Management Support FY-03-FY-14 - Supplemental	10/01/02	09/29/06	█ Continue Project Management Support FY-03-FY-14 - Supplemental			
464	Training - DOE Domestic Shipping	10/02/01	10/01/07	█ Training - DOE Domestic Shipping			
278	Update & Analysis of the Master Logic Schedule	10/01/02	12/30/09	█ Update & Analysis of the Master Logic Schedule			
292	National SNF Stakeholder Program	10/01/02	12/30/09	█ National SNF Stakeholder Program			
548	Master Logic Schedule Complete	12/30/09	12/30/09	█ Master Logic Schedule Complete			
453	Continue Project Management Support FY-03-FY-14 - Base	10/01/02	09/30/10	█ Continue Project Management Support FY-03-FY-14 - Base			
281	Data Input, Analysis & S/W Maint Spent Fuel Database FY-07/14	10/02/06	09/30/14	█ Data Input, Analysis & S/W Maint Spent Fuel Database FY-07/14			
549	Spent Fuel Database Maintenance Complete	09/30/14	09/30/14	█ Spent Fuel Database Maintenance Complete			
272	HQ Support FY-98 to FY-2014	10/01/98	12/29/14	█ HQ Support FY-98 to FY-2014			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14	
236	Lead Lab Function for National Spent Nuclear Fuel Program	10/01/96	12/30/14					Lead
267	Information Management	10/01/96	12/30/14					Inform
275	Prep/Maintenance of the NSNF Long Range Plan	10/01/97	12/30/14					Prep/
273	Issues Management FY-02/FY-14	10/01/02	12/30/14					Issue
460	Continue Records Management Support	10/01/03	12/28/34					
556	Records Management Complete Milestone	12/28/34	12/28/34					
<b>Criticality Studies</b>								
		<b>10/01/97</b>	<b>09/28/01</b>					
<i>National Programs</i>								
338	Criticality - N-Rx Fuels - EM Design Basis	11/11/97	01/02/98					
346	SNL Criticality Calculations - FY-98 (compl FY-97 Rpt)	10/01/97	02/27/98					
348	Criticality - N-Rx Fuels - RW Develop Concept Design	01/05/98	02/27/98					
349	Criticality - MOX Fuels - EM Design Basis	01/12/98	03/05/98					
350	Criticality - MOX Fuels - RW Develop Concept Design	03/06/98	04/30/98					
330	Criticality - U-Zr/U-Mo Fuels - EM Design Basis	04/06/98	05/28/98					
351	Criticality - MOX Fuels - EM Criticality Analysis	04/13/98	07/01/98					
331	Criticality - U-Zr/U-Mo Fuels - RW Develop Conceptual Design	05/29/98	07/23/98					
339	Criticality - N-Rx Fuels - EM Criticality Analysis	02/10/98	07/30/98					
340	Criticality - N-Rx Fuels - RW Analysis	03/16/98	07/30/98					
352	Criticality - MOX Fuels - RW Analysis	05/15/98	07/30/98					
332	Criticality - U-Zr/U-Mo Fuels - EM Criticality Analysis	07/06/98	09/23/98					
599	Criticality - U-Zr-Hx Fuels - EM Design Basis	08/03/98	09/24/98					
353	Criticality - MOX Fuels - EM Degrade Analysis	07/31/98	09/29/98					
363	FY-1998 Criticality Studies	10/01/97	09/30/98					
374	SNL Criticality Calculations - FY-98 - Support NSNFP	03/02/98	09/30/98					
344	Criticality - N-Rx Fuels - EM Degrade Analysis	07/15/98	09/30/98					
591	Criticality - HEU-Oxide Fuels - EM Design Basis	08/03/98	09/30/98					
21	Criticality - N- Reactor Fuel	10/01/97	10/01/98					
333	Criticality - U-Zr/U-Mo Fuels - RW Analysis	08/07/98	10/22/98					
600	Criticality - U-Zr-Hx Fuels - RW Develop Concept Design	09/25/98	11/19/98					
607	Criticality - U-Th Oxide Fuels - EM Design Basis	10/01/98	11/24/98					
592	Criticality - HEU Oxide Fuels - RW Develop Concept Design	10/01/98	11/25/98					
354	Criticality - MOX Fuels - EM Degrade Criticality Analysis	10/16/98	12/15/98					
343	Criticality - N-Rx Fuels - EM Degrade Criticality Analysis	10/19/98	12/16/98					
334	Criticality - U-Zr/U-Mo Fuels - EM Degrade Analysis	10/23/98	12/22/98					
22	Criticality - MOX Fuel	01/01/98	01/01/99					
608	Criticality - U-Th Oxide Fuels - RW Develop Concept Design	11/25/98	01/19/99					
601	Criticality - U-Zr-Hx Fuels - EM Criticality Analysis	11/02/98	01/20/99					
593	Criticality - HEU Oxide Fuels - EM Criticality Analysis	11/06/98	01/26/99					
329	Develop Cross Section Validation Crit Exper. Plan	01/01/99	01/29/99					
356	Criticality - MOX Fuels - RW Analysis of Results	12/02/98	02/15/99					
342	Criticality - N-Rx Fuels - RW Analysis of Results	12/03/98	02/16/99					
602	Criticality - U-Zr-Hx Fuels - RW Analysis	12/04/98	02/18/99					



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
594	Criticality - HEU Oxide Fuels - RW Analysis	12/10/98	02/24/99		Criticality - HEU Oxide Fuels - RW Analysis		
335	Criticality - U-Zr/U-Mo Fuels - EM Degrade Criticality Analysis	01/08/99	03/09/99		Criticality - U-Zr/U-Mo Fuels - EM Degrade Criticality Analysis		
609	Criticality - U-Th Oxide Fuels - EM Criticality Analysis	12/31/98	03/22/99		Criticality - U-Th Oxide Fuels - EM Criticality Analysis		
615	Criticality - U-Th-Pu Fuels - EM Design Basis	02/01/99	03/25/99		Criticality - U-Th-Pu Fuels - EM Design Basis		
610	Criticality - U-Th Oxide Fuels - RW Analysis	02/03/99	04/20/99		Criticality - U-Th Oxide Fuels - RW Analysis		
603	Criticality - U-Zr-Hx Fuels - EM Degrade Analysis	02/19/99	04/20/99		Criticality - U-Zr-Hx Fuels - EM Degrade Analysis		
595	Criticality - HEU Oxide Fuels - EM Degrade Analysis	02/25/99	04/26/99		Criticality - HEU Oxide Fuels - EM Degrade Analysis		
318	Develop Cross Section Validation - Setup Crit Exper.	03/01/99	04/30/99		Develop Cross Section Validation - Setup Crit Exper.		
337	Criticality - U-Zr/U-Mo Fuels - RW Analysis of Results	02/24/99	05/10/99		Criticality - U-Zr/U-Mo Fuels - RW Analysis of Results		
616	Criticality - U-Th-Pu Fuels - RW Develop Concept Design	03/26/99	05/20/99		Criticality - U-Th-Pu Fuels - RW Develop Concept Design		
623	Criticality - LEU Oxide Fuels - EM Design Basis	04/01/99	05/25/99		Criticality - LEU Oxide Fuels - EM Design Basis		
23	Criticality - HEU - Oxide Fuel	03/02/98	05/28/99		Criticality - HEU - Oxide Fuel		
355	Criticality - MOX Fuels - RW Analysis Report - Generate & Review	12/16/98	06/08/99		Criticality - MOX Fuels - RW Analysis Report - Generate & Review		
611	Criticality - U-Th Oxide Fuels - EM Degrade Analysis	04/21/99	06/18/99		Criticality - U-Th Oxide Fuels - EM Degrade Analysis		
604	Criticality - U-Zr-Hx Fuels - EM Degrade Criticality Analysis	05/07/99	07/06/99		Criticality - U-Zr-Hx Fuels - EM Degrade Criticality Analysis		
596	Criticality - HEU Oxide Fuels - EM Degrade Criticality Analysis	05/13/99	07/12/99		Criticality - HEU Oxide Fuels - EM Degrade Criticality Analysis		
624	Criticality - LEU Oxide Fuels - RW Develop Concept Design	05/26/99	07/20/99		Criticality - LEU Oxide Fuels - RW Develop Concept Design		
617	Criticality - U-Th-Pu Fuels - EM Criticality Analysis	05/03/99	07/21/99		Criticality - U-Th-Pu Fuels - EM Criticality Analysis		
499	Evaluate Poisoning System for HEU SNF	11/10/97	07/26/99		Evaluate Poisoning System for HEU SNF		
500	Follow up Analyses & testing for Reactivity Issue	03/16/98	07/26/99		Follow up Analyses & testing for Reactivity Issue		
341	Criticality - N-Rx Fuels - RW Analysis Report - Generate & Review	02/17/99	08/10/99		Criticality - N-Rx Fuels - RW Analysis Report - Generate & Review		
618	Criticality - U-Th-Pu Fuels - RW Analysis	06/04/99	08/19/99		Criticality - U-Th-Pu Fuels - RW Analysis		
319	Develop Cross Section Validation - Conduct Crit Exper.	05/03/99	08/30/99		Develop Cross Section Validation - Conduct Crit Exper.		
612	Criticality - U-Th Oxide Fuels - EM Degrade Criticality Analysis	07/07/99	09/03/99		Criticality - U-Th Oxide Fuels - EM Degrade Criticality Analysis		
606	Criticality - U-Zr-Hx Fuels - RW Analysis of Results	06/23/99	09/06/99		Criticality - U-Zr-Hx Fuels - RW Analysis of Results		
598	Criticality - HEU Oxide Fuels - RW Analysis of Results	06/29/99	09/10/99		Criticality - HEU Oxide Fuels - RW Analysis of Results		
625	Criticality - LEU Oxide Fuels - EM Criticality Analysis	07/01/99	09/20/99		Criticality - LEU Oxide Fuels - EM Criticality Analysis		
375	FY-1999 Criticality Studies	10/01/98	09/30/99		FY-1999 Criticality Studies		
376	SNL Criticality Calculations FY-99	10/01/98	09/30/99		SNL Criticality Calculations FY-99		
328	Cross Section Validation Crit Exper. Task Management	01/01/99	09/30/99		Cross Section Validation Crit Exper. Task Management		
327	Develop Cross Section Validation Crit Exper. Complete Report/Review	07/01/99	09/30/99		Develop Cross Section Validation Crit Exper. Complete Report/Review		
626	Criticality - LEU Oxide Fuels - RW Analysis	08/04/99	10/19/99		Criticality - LEU Oxide Fuels - RW Analysis		
619	Criticality - U-Th-Pu Fuels - EM Degrade Analysis	08/20/99	10/19/99		Criticality - U-Th-Pu Fuels - EM Degrade Analysis		
336	Criticality - U-Zr/U-Mo Fuels - RW Analysis Report - Generate & Review	05/11/99	11/01/99		Criticality - U-Zr/U-Mo Fuels - RW Analysis Report - Generate & Review		
614	Criticality - U-Th Oxide Fuels - RW Analysis of Results	08/23/99	11/04/99		Criticality - U-Th Oxide Fuels - RW Analysis of Results		
627	Criticality - LEU Oxide Fuels - EM Degrade Analysis	10/20/99	12/17/99		Criticality - LEU Oxide Fuels - EM Degrade Analysis		
620	Criticality - U-Th-Pu Fuels - EM Degrade Criticality Analysis	11/05/99	01/04/00		Criticality - U-Th-Pu Fuels - EM Degrade Criticality Analysis		
361	Initiate Criticality Studies Phase III for all Fuel Types	10/01/98	01/12/00		Initiate Criticality Studies Phase III for all Fuel Types		
605	Criticality - U-Zr-Hx Fuels - RW Analysis Report - Generate & Review	09/07/99	02/28/00		Criticality - U-Zr-Hx Fuels - RW Analysis Report - Generate & Review		
597	Criticality - HEU Oxide Fuels - RW Analysis Report - Generate & Review	09/13/99	03/03/00		Criticality - HEU Oxide Fuels - RW Analysis Report - Generate & Review		
628	Criticality - LEU Oxide Fuels - EM Degrade Criticality Analysis	01/05/00	03/03/00		Criticality - LEU Oxide Fuels - EM Degrade Criticality Analysis		
622	Criticality - U-Th-Pu Fuels - RW Analysis of Results	12/22/99	03/06/00		Criticality - U-Th-Pu Fuels - RW Analysis of Results		
613	Criticality - U-Th Oxide Fuels - RW Analysis Report - Generate & Review	11/05/99	04/27/00		Criticality - U-Th Oxide Fuels - RW Analysis Report - Generate & Review		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
630	Criticality - LEO Oxide Fuels - RW Analysis of Results	02/21/00	05/04/00		■ Criticality - LEO Oxide Fuels - RW Analysis of Results		
381	Complete Criticality Studies Phase III for all Fuel Types	01/13/00	05/31/00		■ Complete Criticality Studies Phase III for all Fuel Types		
552	Phase III Crit Studies Complete Milestone	05/31/00	05/31/00		▶ Phase III Crit Studies Complete Milestone		
383	FY-2000 Criticality Studies	10/01/99	09/29/00		■ FY-2000 Criticality Studies		
362	Criticality Analysis	10/01/97	02/28/01	■	■ Criticality Analysis		
385	FY-2001 Criticality Studies	10/02/00	09/28/01		■ FY-2001 Criticality Studies		
<b>Issue Resolution Plans</b>							
		<b>03/11/98</b>	<b>09/21/98</b>	■			
~							
46	Review Transportation Issue Resolution Pln	05/15/98	06/04/98	■	■ Review Transportation Issue Resolution Pln		
42	Review RCRA Report - TBD	06/15/98	08/14/98	■	■ Review RCRA Report - TBD		
<i>National Programs</i>							
39	Review Material Science Issue Resolution Pln	04/01/98	04/27/98	■	■ Review Material Science Issue Resolution Pln		
40	Review NDA/NDE Issue Resolution Pln	04/01/98	04/27/98	■	■ Review NDA/NDE Issue Resolution Pln		
41	Review Performance Assess. Issue Resolution Pln	04/01/98	04/27/98	■	■ Review Performance Assess. Issue Resolution Pln		
44	Review Std Canister/Basket Issue Resolution Pln	04/01/98	04/27/98	■	■ Review Std Canister/Basket Issue Resolution Pln		
45	Review Treatment Tech. Issue Resolution Pln	04/01/98	04/27/98	■	■ Review Treatment Tech. Issue Resolution Pln		
36	Review Chemical Reactivity Issue Resolution Pln	05/15/98	06/04/98	■	■ Review Chemical Reactivity Issue Resolution Pln		
43	Review Source Term Issue Resolution Pln	06/01/98	06/17/98	■	■ Review Source Term Issue Resolution Pln		
37	Review Criticality Issue Resolution Pln	06/15/98	08/01/98	■	■ Review Criticality Issue Resolution Pln		
38	Review Data Qualification IRP - TBD	06/15/98	08/14/98	■	■ Review Data Qualification IRP - TBD		
49	Review Licensing Strategy Issue Resolution Pln	06/15/98	08/14/98	■	■ Review Licensing Strategy Issue Resolution Pln		
16	Issue Res Plans Inc Comm / Final Issue	03/11/98	09/21/98	■	■ Issue Res Plans Inc Comm / Final Issue		
15	Issue Resolution Plans - Complete	09/21/98	09/21/98		▶ Issue Resolution Plans - Complete		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
<b>National Spent Fuel Program QA</b>							
		10/01/96	12/28/34				
<b>QA Assessment Activities</b>							
		10/01/96	12/28/34				
<i>National Programs</i>							
544	Qualify & Maintain QA Qualifications for site SNF QA programs to DOE-RW/0333P - Bas	04/06/98	09/29/34				
667	Qualify & Maintain QA Qualifications for site SNF QA programs to DOE-RW/0333P - Sup	04/06/98	09/29/34				
545	Perform assessments of sites (FY-98 through FY-34).	10/01/96	12/27/34				
546	Maintain National QA program to DOE-RW/0333P (FY-98 through 34).	10/01/96	12/28/34				
547	Perform assessments of National program (FY-98 through 34).	10/01/96	12/28/34				
<i>Idaho National Engineering and Environmental Lab</i>							
53	98-NSNF-027 Surveillance of LMITCO Internal Assessment	04/06/98	04/15/98				
54	98-N-AU-XXX Full scope Implem - INEEL SNF QA (ISFSI)	10/06/98	10/23/98				
99	98-NSNF-AU-XXX TMI-2 QA Program Audit	04/11/99	05/01/99				
100	Report Prep and Issue for TMI-2 QA Program Audit	05/01/99	06/01/99				
101	98-NSNF-AU-XXX Audit of TMI-2 Conduct of Ops, Emergency Preparedness, Etc	06/01/99	07/01/99				
102	Report Prep and Issue for Audit of TMI-2 Conduct of Ops, Emergency Preparedness, E	07/01/99	08/01/99				
<i>Savannah River Site</i>							
55	98-N-S-XXX Surveillance of SRS's Correct Action	04/15/98	04/16/98				
69	98-NSNF-S-XXX Surveillance of SRS's SNF QA Program (RW-0333P)	09/16/98	09/17/98				
70	Report Prep and Issue for Surveillance of SRS's SNF QA Program (RW-0333P)	09/23/98	10/20/98				
<i>Hanford</i>							
56	98-N-AU-019 Full scope Implem - RL's SNF QA	03/03/99	04/02/99				
59	98-N-S-XXX Surveillance RL's Correct Action	06/02/99	06/16/99				
<i>Oakridge</i>							
58	98-N-AU-XXX Full scope Audit - OR's SNF QA	09/20/98	10/02/98				
71	98-NSNF-AU-XXX Full Scope Audit of OR's SNF QA Program (RW-0333P)	11/16/98	11/20/98				
72	Report Prep and Issue for Full Scope Audit of OR's SNF QA Program (RW-0333P)	11/21/98	12/31/98				
<i>NRC/ISFSI</i>							
91	98-NSNF-S-XXX Surveillance of LMITCO Internal Assessment of Design and Constructi	09/15/98	09/30/98				
92	Report Prep and Issue for Surveillance of LMITCO Internal Assessment of Design and C	09/30/98	10/03/98				
95	98-NSNF-S-XXX FSV QA Program Audit	10/04/98	10/23/98				
96	Report Prep and Issue for FSV QA Program Audit	10/23/98	11/23/98				
97	98-NSNF-AU-XXX Audit of FSV Conduct of Ops, Emergency Preparedness, Etc	03/01/99	04/01/99				
98	Report Prep and Issue for Audit of FSV Conduct of Ops, Emergency Preparedness, Etc	04/01/99	05/01/99				
103	98-NSNF-MA-XXX Annual Management Assessment of activities associated with the FS	11/01/99	12/01/99				
104	Report Prep and Issue for Annual Management Assessment of activities associated with	12/01/99	01/01/00				
<i>General Oversight</i>							
62	98-NSNF-S-XXX Surveillance of NSNF Program Work Packages "Source Term Developo	09/14/98	09/14/98				
61	98-NSNF-AU-117 Audit of all NSNF PMPs Applicable to PMs/TLs at DOE HQ	09/21/98	09/25/98				
93	98-NSNF-S-XXX Surveillance of DOE-113 NEPA/EIS Project Office Document Control a	10/01/98	10/01/98				
64	Report Prep and Issue for Audit of all NSNF PMPs Applicable to PMs/TLs at DOE HQ	09/26/98	10/02/98				
65	Report Prep and Issue for Surveillance of NSNF Program Work Packages "Source Terr	09/15/98	10/12/98				
94	Report Prep and Issue for Surveillance of DOE-113 NEPA/EIS Project Office Document	10/02/98	10/29/98				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
81	XX-NSNF-AU-XXX ANL-E (Scientific Investigation for Chemical Reactivity Program)	11/02/98	11/06/98		XX-NSNF-AU-XXX ANL-E (Scientific Investigation for Chemical Reactivity Program)		
85	XX-NSNF-AU-XXX ANL-W (Scientific Investigation for Chemical Reactivity Program)	11/02/98	11/06/98		XX-NSNF-AU-XXX ANL-W (Scientific Investigation for Chemical Reactivity Program)		
63	99-NSNF-AU-XXX Audit of NSNF QA Program Maintenance Activities	11/16/98	11/20/98		99-NSNF-AU-XXX Audit of NSNF QA Program Maintenance Activities		
52	Site / Vendor Qualifications	10/01/97	12/01/98		Site / Vendor Qualifications		
86	Report Prep and Issue for ANL-W (Scientific Investigation for Release Rate Test Program)	11/09/98	12/07/98		Report Prep and Issue for ANL-W (Scientific Investigation for Release Rate Test Program)		
83	XX-NSNF-AU-XXX PNNL (Scientific Investigation for Release Rate Test Program)	12/07/98	12/11/98		XX-NSNF-AU-XXX PNNL (Scientific Investigation for Release Rate Test Program)		
66	Report Prep and Issue for Audit of NSNF QA Program Maintenance Activities	11/21/98	12/21/98		Report Prep and Issue for Audit of NSNF QA Program Maintenance Activities		
82	Report Prep and Issue for ANL-E (Scientific Investigation for Release Rate Test Program)	11/09/98	12/21/98		Report Prep and Issue for ANL-E (Scientific Investigation for Release Rate Test Program)		
84	Report Prep and Issue for PNNL (Scientific Investigation for Release Rate Test Program)	12/14/98	12/31/98		Report Prep and Issue for PNNL (Scientific Investigation for Release Rate Test Program)		
67	99-NSNF-AU-XXX Audit of NSNF Program Technical Activities	03/25/99	03/31/99		99-NSNF-AU-XXX Audit of NSNF Program Technical Activities		
68	Report Prep and Issue for Audit of NSNF Program Technical Activities	04/01/99	04/28/99		Report Prep and Issue for Audit of NSNF Program Technical Activities		
89	98-NSNF-AU-XXX RW M&O, TRW - Technical Support for NSNFP	11/01/99	11/17/99		98-NSNF-AU-XXX RW M&O, TRW - Technical Support for NSNFP		
90	Report Prep and Issue for RW M&O, TRW - Technical Support for NSNFP	11/18/99	12/17/99		Report Prep and Issue for RW M&O, TRW - Technical Support for NSNFP		
<b>Office of Civilian Radioactive Waste Management</b>							
		01/01/97	04/01/36				
<b>Final Disposition Activities</b>							
		01/01/97	04/01/36				
133	RW Prepare VA - Compl Repository Phase I Design	01/01/97	01/01/97		RW Prepare VA - Compl Repository Phase I Design		
138	RW REPOSITORY COMPLETE PHASE I DESIGN	01/01/97	01/01/97		RW REPOSITORY COMPLETE PHASE I DESIGN		
136	RW Define Draft Waste Form Envelope(s)	01/02/97	01/02/97		RW Define Draft Waste Form Envelope(s)		
134	RW Prepare Repository Phase III Design	01/01/98	01/01/98		RW Prepare Repository Phase III Design		
107	Internal Reviews of first SNF Data Package	01/01/98	02/11/98		Internal Reviews of first SNF Data Package		
106	Site Complete Characterize first SNF	01/01/98	04/02/98		Site Complete Characterize first SNF		
139	VA PRODUCT REVIEWS	01/01/98	06/01/98		VA PRODUCT REVIEWS		
128	RW LA Reviews	01/01/98	07/06/98		RW LA Reviews		
135	RW Viability Assessment Complete	09/30/98	09/30/98		RW Viability Assessment Complete		
137	Final EM Feed to RW Design	01/04/99	01/04/99		Final EM Feed to RW Design		
123	RW Prepare DEIS	01/01/98	02/15/99		RW Prepare DEIS		
124	RW Issue DEIS	02/15/99	02/15/99		RW Issue DEIS		
125	RW Prepare FEIS	02/16/99	03/15/00		RW Prepare FEIS		
126	RW Issue FEIS	08/25/00	08/25/00		RW Issue FEIS		
127	RW / MGDS EIS - ROD Approved	09/28/00	09/28/00		RW / MGDS EIS - ROD Approved		
140	MGDS EIS - ROD APPROVED	09/29/00	09/29/00		MGDS EIS - ROD APPROVED		
142	RW COMPLETE TSPA - LICENSE APPLICATION	01/04/99	12/28/00		RW COMPLETE TSPA - LICENSE APPLICATION		
129	RW Submit Licence Application	03/01/02	03/01/02		RW Submit Licence Application		
141	SUBMIT LICENSE APPLICATION	03/01/02	03/01/02		SUBMIT LICENSE APPLICATION		
105	NSNFP Establish SNF Repository Delivery Schedule	09/30/98	09/27/02		NSNFP Establish SNF Repository Delivery Schedule		
131	RW - MGDS Open to receive Commercial Fuels	12/30/10	12/30/10				RW - MGDS Open to receive Commercial Fuels
143	MGDS OPEN TO RECEIVE COML. FUEL	12/30/10	12/30/10				MGDS OPEN TO RECEIVE COML. FUEL
130	RW / NRC License Approval Process	03/04/02	12/31/10		RW / NRC License Approval Process		
132	RW - MGDS Open to receive DOE Fuels	09/30/15	09/30/15				
108	Load Transporter	11/26/15	12/02/15				
109	Transfer first SNF to RW	12/03/15	12/09/15				



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
110	RW Receive first SNF	12/10/15	12/16/15				
144	MGDS OPEN TO RECEIVE DOE SNF	12/30/15	12/30/15				
111	RW Accept first existing SNF & Data Package	12/17/15	12/30/15				
113	Site Characterize last SNF	04/19/35	07/19/35				
114	Prepare last SNF Data Package	07/20/35	08/20/35				
115	Internal Reviews of last SNF Data Package	08/21/35	10/01/35				
116	Submit last SNF Data Package	10/02/35	10/15/35				
117	RW Review & Approve last SNF Data Package	10/16/35	11/26/35				
118	Load Transporter	11/27/35	12/03/35				
112	Shipping Schedule to RW	12/03/15	12/10/35				
119	Xfer last SNF	12/06/35	12/10/35				
120	RW Receive Last SNF	12/11/35	12/17/35				
121	RW Accept last existing SNF & Data Package	12/18/35	12/31/35				
122	Closeout NSNFP Activities	01/01/36	04/01/36				
<b>Yucca Mountain Site Characterization Project</b>		<b>07/01/01</b>	<b>04/01/02</b>				
1733	Secretary of Energy Notifies the State of Site Selection	07/01/01	07/01/01		▶ Secretary of Energy Notifies the State of Site Selector		
1735	Secretary of Energy Issues Site Recommendations to the President	08/01/01	08/01/01		▶ Secretary of Energy Issues Site Recommendations to the Presiden		
1736	Submit License Application for MGR to NRC	04/01/02	04/01/02		▶ Submit License Application for MGR to NRC		
<b>Repository EIS</b>		<b>08/01/98</b>	<b>08/31/00</b>				
1763	Finish Impact Analysis	08/01/98	08/01/98		▶ Finish Impact Analysis		
1732	Publish Draft Environmental Impact Statement (DEIS) for Public Review	07/30/99	07/30/99		▶ Publish Draft Environmental Impact Statement (DEIS) for Public Review		
1764	Begin Development of Draft Environmental Impact Statement (DEIS)	07/30/99	07/30/99		▶ Begin Development of Draft Environmental Impact Statement (DEIS)		
1734	Publish Final Environmental Impact Statement (FEIS)	08/31/00	08/31/00		▶ Publish Final Environmental Impact Statement (FEIS)		
<b>Regulatory Revision / Viability Assessment / License Application</b>		<b>07/01/98</b>	<b>09/30/98</b>				
1743	Complete Viability Assessment Technical Component for Licence Application Plan	07/01/98	07/01/98		▶ Complete Viability Assessment Technical Component for Licence Application Plan		
1744	Complete Mined Geologic Disposal System Viability Assessment Design Technical Report	07/01/98	07/01/98		▶ Complete Mined Geologic Disposal System Viability Assessment Design Technical Report		
1731	Viability Assessment	09/30/98	09/30/98		▶ Viability Assessment		
<b>Exploratory Studies Facility Construction and Operation</b>		<b>11/01/98</b>	<b>11/01/98</b>				
1745	Complete Cross-Drift Excavation to Solitario Canyon Fault	11/01/98	11/01/98		▶ Complete Cross-Drift Excavation to Solitario Canyon Fault		
<b>Core Science</b>		<b>12/01/97</b>	<b>11/10/01</b>				
1746	Initiate Drift-Scale Thermal Test	12/01/97	12/01/97		▶ Initiate Drift-Scale Thermal Test		
1747	Complete Probabilistic Seismic Hazards Assessment	04/01/98	04/01/98		▶ Complete Probabilistic Seismic Hazards Assessment		
1755	Accept Near-Field Models	06/01/98	06/01/98		▶ Accept Near-Field Models		
1748	Complete Ghost Dance Fault Testing for Viability Assessment	01/01/99	01/01/99		▶ Complete Ghost Dance Fault Testing for Viability Assessment		



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
1749	Accept Single Heater test Final Report	02/01/99	02/01/99		▶ Accept Single Heater test Final Report		
1750	Confirm Unsaturated Zone transport and Flow Models for LA Acceptance	06/01/99	06/01/99		▶ Confirm Unsaturated Zone transport and Flow Models for LA Acceptance		
1751	Confirm Near Field Models for LA Acceptance	11/01/99	11/01/99		▶ Confirm Near Field Models for LA Acceptance		
1752	Complete Drift-Scale Test Heat-up	11/10/01	11/10/01		▶ Complete Drift-Scale Test Heat-up		
<b>Engineering Design</b>		<b>07/01/98</b>	<b>07/01/99</b>	▷▷▷			
1753	Complete Mined Geologic Disposal System Cost Estimate	07/01/98	07/01/98		▶ Complete Mined Geologic Disposal System Cost Estimate		
1754	Accept Disposal Criticality Analysis Methodology Topical Report	11/01/98	11/01/98		▶ Accept Disposal Criticality Analysis Methodology Topical Report		
1756	Complete License Application Design for Performance Assessment Input	07/01/99	07/01/99		▶ Complete License Application Design for Performance Assessment Input		
<b>Performance Assessment</b>		<b>07/01/98</b>	<b>01/01/00</b>	▷▷▷			
1757	Complete TSPA analysis for Viability Acceptance	07/01/98	07/01/98		▶ Complete TSPA analysis for Viability Acceptance		
1758	Complete Pre closure PA Sensitivity for LA	07/01/99	07/01/99		▶ Complete Pre closure PA Sensitivity for LA		
1759	Complete TSPA Sensitivity for LA	01/01/00	01/01/00		▶ Complete TSPA Sensitivity for LA		
<b>Transportation Activities</b>		<b>12/01/97</b>	<b>09/01/03</b>	▷▷▷▷			
1737	Issue Revised Draft RFP	12/01/97	12/01/97		Issue Revised Draft RFP		
1760	Issue Revised Draft Notice of NWPA Section 180(c) Policy	04/01/99	04/01/99		▶ Issue Revised Draft Notice of NWPA Section 180(c) Policy		
1739	Issue Final RFP	07/01/01	07/01/01		▶ Issue Final RFP		
1740	Issue Notice of NWPA Section 180(c) Policy	07/01/01	07/01/01		▶ Issue Notice of NWPA Section 180(c) Policy		
1761	Award Regional Service Contracts	01/01/03	01/01/03		▶ Award Regional Service Contracts		
1742	Initiate NWPA Section 180(c) Grant Application Process	09/01/03	09/01/03		▶ Initiate NWPA Section 180(c) Grant Application Process		
<b>Waste Acceptance Activities</b>		<b>04/01/98</b>	<b>04/01/02</b>	▷▷▷			
1762	Initiate Waste Acceptance Mitigation	04/01/98	04/01/98		▶ Initiate Waste Acceptance Mitigation		
1738	Complete Standard Contract Modifications	04/01/01	04/01/01		▶ Complete Standard Contract Modifications		
1741	Finalize Waste Acceptance Schedule	04/01/02	04/01/02		▶ Finalize Waste Acceptance Schedule		
<b>Savannah River Site</b>		<b>09/30/94</b>	<b>12/03/35</b>	██████████			
<b>SRS Site Milestones</b>		<b>04/01/05</b>	<b>04/01/05</b>				
172	SRS: Prepare for Final Disposition	04/01/05	04/01/05			SRS: Prepare for Final Disposition	
181	SRS: Achieve (Begin) Interim Storage	04/01/05	04/01/05			▶ SRS: Achieve (Begin) Interim Storage	
<b>SRS NEPA Activities</b>		<b>10/01/96</b>	<b>02/15/99</b>	██████████			
206	Issue SRS SNF Final EIS	10/01/96	11/02/98	██████████	Issue SRS SNF Final EIS		
207	Issue SRS SNF ROD	11/03/98	02/15/99	██████████	Issue SRS SNF ROD		
<b>SRS FRR Shipping program</b>		<b>05/10/96</b>	<b>05/18/09</b>	██████████			



# National Spent Nuclear Fuel Program - Master Logic Schedule

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
194	Cross Country Shipments Begin	06/01/99	06/01/99		Cross Country Shipments Begin		
204	FRR Policy Expires	05/31/06	05/31/06			FRR Policy Expires	
184	FRR Receipt Program	05/10/96	05/18/09				FRR Receipt Program
<b>K Basin Operations</b>							
		<b>08/01/97</b>	<b>03/30/01</b>				
208	K-Basin: Transfer SRS fuel to H-Canyon	08/01/97	03/30/01		K-Basin: Transfer SRS fuel to H-Canyon		
192	K-Basin: Deinventory Complete	03/30/01	03/30/01		▶ K-Basin: Deinventory Complete		
<b>RBOF Operations</b>							
		<b>09/30/94</b>	<b>03/31/06</b>				
174	RBOF: Transfer TRR/EBR11(1) fuel to F-Canyon	10/01/97	04/30/98		RBOF: Transfer TRR/EBR11(1) fuel to F-Canyon		
203	RBOF: Transfer SRS fuel to F-Canyon	04/15/99	05/31/99		RBOF: Transfer SRS fuel to F-Canyon		
175	RBOF: Transfer remaining EBR11 fuel to F-Canyon	06/01/99	08/02/99		RBOF: Transfer remaining EBR11 fuel to F-Canyon		
180	RBOF: Transfer SFO/Misc. fuels to H-Canyon	10/01/99	04/30/03		RBOF: Transfer SFO/Misc. fuels to H-Canyon		
177	RBOF: Available to receive DRR as needed	09/30/94	03/31/05		RBOF: Available to receive DRR as needed		
176	RBOF: Receive Al-clad FRR (TN-7/2 casks)	09/30/94	01/31/06		RBOF: Receive Al-clad FRR (TN-7/2 casks)		
179	RBOF: Deinventory fuel to L-Basin/TSF	02/14/97	03/31/06		RBOF: Deinventory fuel to L-Basin/TSF		
178	RBOF: Deinventory Complete	03/31/06	03/31/06		▶ RBOF: Deinventory Complete		
<b>LBasin Operations</b>							
		<b>02/06/97</b>	<b>04/01/05</b>				
209	L-Basin: Transfer SRS fuel to H-Canyon	04/02/01	12/31/01		L-Basin: Transfer SRS fuel to H-Canyon		
170	L-Basin: Receive Al-clad DRR	02/06/97	03/31/05		L-Basin: Receive Al-clad DRR		
171	L-Basin: Receive Al-clad fuel from RBOF	02/14/97	03/31/05		L-Basin: Receive Al-clad fuel from RBOF		
210	L-Basin: Receive Al-clad FRR	04/01/97	03/31/05		L-Basin: Receive Al-clad FRR		
173	L-Basin incorporated into TSF	04/01/05	04/01/05		L-Basin incorporated into TSF		
<b>TSF (Includes L Basin ) Operations</b>							
		<b>05/04/98</b>	<b>12/03/35</b>				
193	TSF: CD-1	05/04/98	05/04/98	▶ TSF: CD-1			
195	TSF: Conceptual Design/Design	05/05/98	06/01/01		TSF: Conceptual Design/Design		
196	TSF: Assessment/Appropriation	04/02/01	09/30/02		TSF: Assessment/Appropriation		
197	TSF: Construction/Start Up	10/01/02	03/31/05		TSF: Construction/Start Up		
198	TSF: Commence Operations	04/01/05	04/01/05		TSF: Commence Operations		
186	TSF: Receive Al-clad fuel from RBOF	04/04/05	03/31/06		TSF: Receive Al-clad fuel from RBOF		
183	TSF: Receive Al-clad FRR	04/04/05	05/18/09		TSF: Receive Al-clad FRR		
182	TSF: Receive INEEL Al-clad fuel	01/01/10	12/30/16				
185	TSF: Receive Al-clad DRR	04/04/05	09/28/35				
202	TSF: SRS Shipments to Repository	01/04/16	12/03/35				
<b>F Canyon Operations</b>							
		<b>10/01/97</b>	<b>08/05/99</b>				



**National Spent Nuclear Fuel Program - Master Logic Schedule**

#	Task Name	Schedule Start	Schedule Finish	FY95-99	FY00-04	FY05-09	FY10-14
188	F-Canyon: Process TRR/EBR11(1)	10/01/97	04/30/98		F-Canyon: Process TRR/EBR11(1)		
205	F-Canyon: Process SRS fuel from RBOF	04/20/99	06/03/99		F-Canyon: Process SRS fuel from RBOF		
189	F-Canyon: Process remaining EBR11 fuels	06/04/99	08/05/99		F-Canyon: Process remaining EBR11 fuels		
<b>H Canyon Operations</b>							
		<b>08/01/97</b>	<b>04/30/03</b>				
187	H-Canyon: Process K-Basin SRS fuel	08/01/97	03/30/01		H-Canyon: Process K-Basin SRS fuel		
190	H-Canyon: Process L-Basin SRS fuel	04/02/01	12/31/01		H-Canyon: Process L-Basin SRS fuel		
191	H-Canyon: Process RBOF SFO/Misc. fuels	10/01/99	04/30/03		H-Canyon: Process RBOF SFO/Misc. fuels		
<b>SRS Alternate Technology</b>							
		<b>10/01/96</b>	<b>03/30/05</b>				
201	Alt. Tech.: Technology Recommendation	07/01/98	07/01/98		Alt. Tech.: Technology Recommendation		
199	Alt. Tech.: Process Validation Testing (Hot)	12/01/99	09/29/00		Alt. Tech.: Process Validation Testing (Hot)		
200	Alt. Tech.: SNF Form Performance Validation	10/01/96	03/30/05		Alt. Tech.: SNF Form Performance Validation		
<b>Argonne National Labs - West</b>							
		<b>11/01/98</b>	<b>08/26/26</b>				
<b>Fuel Receipt / Treatment / Packaging</b>							
		<b>02/06/01</b>	<b>08/26/26</b>				
<b>Processing and Treatment of SNF</b>							
		<b>04/12/00</b>	<b>08/26/25</b>				
<b>Final Disposition Activities</b>							
		<b>10/15/99</b>	<b>08/26/26</b>				
<b>NEPA Activites</b>							
		<b>11/01/98</b>	<b>04/11/00</b>				
<b>Transportation Issues and Support</b>							
		<b>11/01/98</b>	<b>02/05/01</b>				

